PSG

INDUSTRIAL INTERNACIONAL

WWW.PSGINDUSTRIAL.COM

MAUCOTOOLS

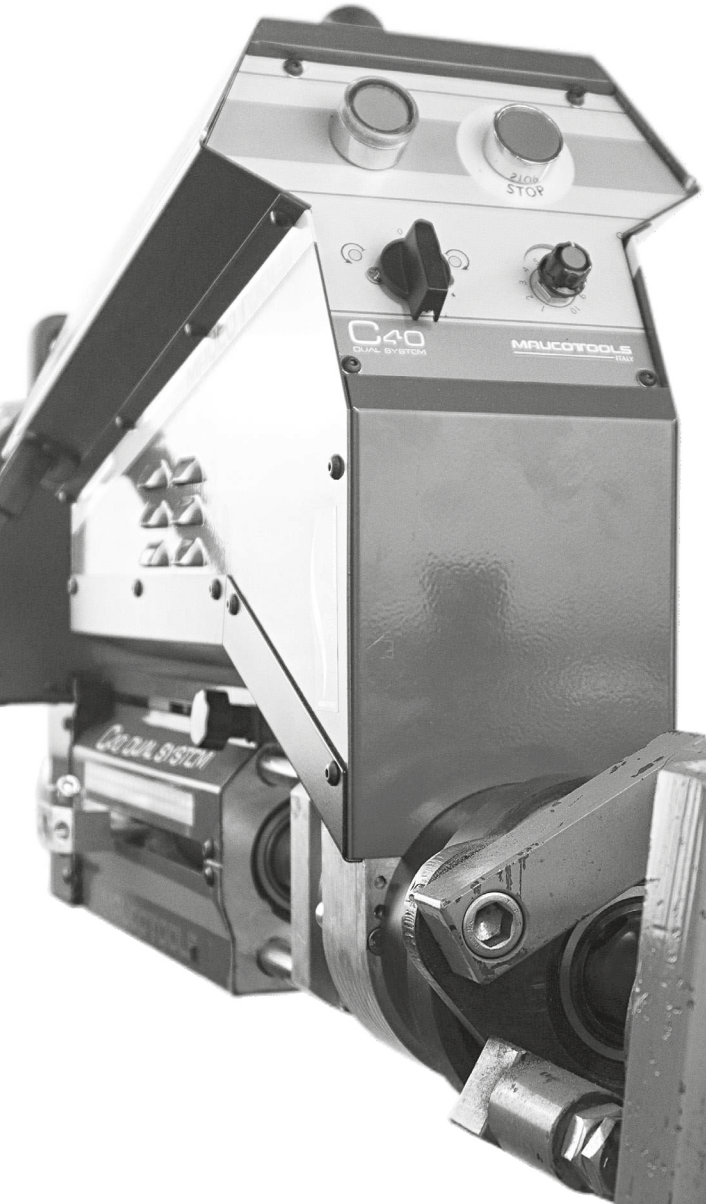




TABLE OF CONTENT

Company Profile 6
Find more about us: our Product Lines and our Sales Network.

LBM Series Overview 12
Discover our innovative Multifunctional Portable Line boring machine DUAL SYSTEM

LBM 250 DUAL SYSTEM 14
DUAL SYSTEM Entry-Level Multifunctional Portable Line Boring machine

LBM 400 DUAL SYSTEM 28
Mid-range versatile model for different applications and industries.

LBM 600 DUAL SYSTEM 42
Our flagship solution for big works and projects.

OB 200 60
Start your on-site boring business with our entry-level model.

OB 400 70
The all pourpose line boring machine.

PBM Series Overview 82
Discover our product for Tube/Pipe BEVELING applications.

PBM 1625 to 24000 / PPBM & Accessories 86
A wide offer for Tube/Pipe BEVELING by MAUCOTOOLS.

SFM Series Overview 102
Our system for for Tube/Pipe Cold Cutting and BEVELING: Clamshell (Split Frame) Machines

SFM 26 to 5460 & Accessories 104
Various diameters for all knows tube/pipe standars.

LBM DUAL SYSTEM
Series









MODULAR LINE BORING MACHINE

MAUCOTOOLS On-site and Portable Line Boring machines have been designed and developed with the exclusive and patented **DUAL SYSTEM**. This important innovation makes the LBM DUAL SYSTEM Portable machine tools **modular**: built in two separate parts that can-do independent machining.

In addition, the DUAL SYSTEM gives to you the opportunity to work in tight spaces.

Cover diameters range from 22mm up to 2000mm (0.86 to 79 inches).

With **DUAL SYSTEM Main Rotation** and **Feed Drive modules**, with 2 independent motors for a **total control**.

Electric, Hydraulic and Pneumatic power options available.

The LBM Series DUAL SYSTEM is equipped with all the accessories for On-Site Line Boring and Bore Welding operations.

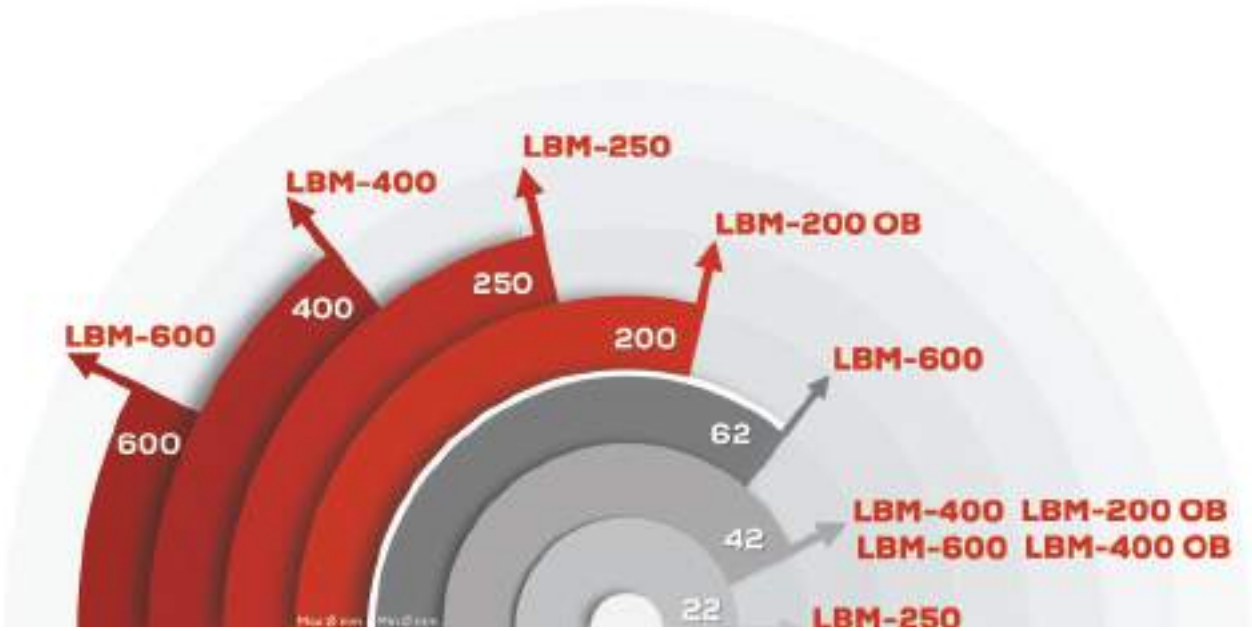
From C40 to LBM

"The best way to predict the future is to create it."
Alan Kay

In the past, we created an innovative Portable Line Boring machine: the **C40**.
We have patented the innovation: the **DUAL SYSTEM**.
We make a promise: **never stop innovating!**

For this reason, we have decided to undertake a new path with a clear goal: continue **INNOVATING** and create a new generation of Multi-functional On-site Portable Line Boring machine tools!

This path starts from our **C40** and is going to reach the new MAUCOTOOLS Product Line: the **LBM**.



Focus On



1. Remote Feed Control Panel
2. Rotation Control Panel
3. DUAL SYSTEM
4. Automatic & Adjustable feed Stop
5. Brushless Feed Motor

LBM-250 DUAL SYSTEM
MODULAR LINE BORING MACHINE





LBM-250 DUAL SYSTEM is our smallest On-Site and Portable Line boring and Bore Welding machine.
This model has been thought and developed mainly for maintenance and repair heavy construction equipment buckets, end loader arms, articulation units, dog bones, draglines housing, etc.

With the **LBM-250 DUAL SYSTEM** you are ready to make immediately On-Site Machining and Bore Welding operations from 22 mm up to 250 mm of diameter (0.86 to 9.85 inches), equipped with the standard package.

Electric, Hydraulic and Pneumatic **Main Rotation Modules** available with **reduction gearbox transmission**.

ADVANTAGES

- **PATENTED DUAL SYSTEM**: Built in two separate MODULES that can do independent machining. To make Bore Welding operations is not necessary to use the body of the engine machine, just use only the DUAL SYSTEM Feed Drive Module.
- Double motorization to have the **total control of ROTATION and FEED**
- **MAUCOTOOLS Motor Protection System (MMPS)** to protect your 2 motors
- The **MODULAR SYSTEM** gives you the possibility to use the **LBM 250 DUAL SYSTEM** with ALL our **Optional Kits** for increasing the diameter range of work up to Ø600 mm (23.63 inch) and decrease starting from Ø22 mm (0.86 inch): with no requirements to buy another new machine, **saving money** and **optimizing your investment** (ROI).
- **Fast Centering Kit**, with magnetic system (you do not need to weld the kit for centering, saving time and money).
- **4 Universal Main Supports with 3 adjustable arms** included in the standard package.
- **Digital Measuring Caliper**: to measure the diameter you can directly use our digital caliper without removing the boring bar: to save time, reduce the complexity of the process and to be more accurate.

LBM-250 DUAL SYSTEM
MODULAR LINE BORING MACHINE

- **Stronger Tool holders** of 16 mm (0.63 inch).
- Electric (220 & 110V), Hydraulic and Pneumatic power options available.
- **Automatic and adjustable feed stop**.
- **Remote Control Panel included** in the standard Package.
- **Auto-joining Chromed Boring Bars**: Ø20, 40, 60 mm (0.78, 1.57, 2.36 inches).
- **Maucotools Error Detection System (MeDS) and Maucotools Motor Protection System (MMPS)** to always working aware and safe.
- **Synchronous feed and rotation** for Bore Welding operations.
- **Unlimited Longitudinal Feed** with steps of 200 mm and **Electronic Fast feed**.
- **Fast and Conical Centering Kit** for buckets available.

Mounting Time: only 14 minutes!

LBM 250 DUAL SYSTEM	
Works and Operating Ranges	
Boring Bar Ø	20mm & 40mm - 0.788 & 1.574 inches (included)
Internal Line Boring Ø	22mm - 250mm (0.86 - 9.84 inches)
Internal Automatic Bore Welding Ø	22mm - 250mm (0.86 - 9.84 inches)
External Automatic Bore Welding Ø	22mm - 250mm (0.86 - 9.84 inches)
Drilling Ø	10mm - 45mm (0.39 - 1.77 inches)
Tapping Ø	10mm - 45mm (0.39 - 1.77 inches)
Milling Ø	Optional
Flange Facing and Seeger Circlips	Optional
DUAL SYSTEM Feed Drive Module	
Brushless Gearmotor	YES
Phases No.	3
Motor type	DC
Power	125W
Speed	0-300 RPM
Feed type	Electromechanical Automatic and Manual
Maucotools Detection System (MeDS): Errors in operations	YES
Maucotools Motor Protection System (MMPS)	YES



- **Reduction Gearbox Transmission and Permanent Lubrification**
- **Synchronous feed and rotation for Bore Welding operations**
- **3 Tool Holders of 16mm with 10 cutting edges included**
- **Unlimited Longitudinal Stroke with steps of 200 mm**
- **Spiral Welding system (with variable steps)**
- **Conical clamp for mounting machine**



Dimensions (mm)	
A	600
B	975
C	500

LBM 250 DUAL SYSTEM		
DUAL SYSTEM Main Power Drive Module		
Motor Type	2-Speed Electric	Hydraulic
Power	1800W – 230V (110V available)	10.2kW in continues
Speed	Speed I: 54-126 RPM Speed II: 180-423 RPM	Max speed 437 in cont. Min speed 9 in cont.
MEASURES		
Typical Machine ship weight	132 Kg	132 Kg
Typical ship dimensions (shipped in 1 Red Metallic Case)	108 x 61 x 42 cm (42.52 x 24 x 16.54 inches)	

LBM-250 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
RT	Modulo DUAL SYSTEM Main Power Drive DUAL SYSTEM Main Power Drive Module Módulo DUAL SYSTEM Main Power Drive	1



Cod.	Description	Q.ty
AV	Modulo DUAL SYSTEM Feed Drive DUAL SYSTEM Feed Drive Module Módulo DUAL SYSTEM Feed Drive	1



Cod.	Description	Q.ty
CAV	Pannello di Controllo Avanzamento Feed Control Panel Mando de Control de avance	1



Cod.	Description	Q.ty
CAV1	Cavo di alimentazione per CAV Feed Control Panel Cable Cable de alimentación para CAV	1



Cod.	Description	Q.ty
B27	Barra Porta Utensili ø40mm x 1000mm (1,57 x 39,37 inches) Boring Bar ø40mm x 1000mm (1,57 x 39,37 inches) Barra Porta Herramienta ø40mm x 1000 (1,57 x 39,37 inches)	2



Cod.	Description	Q.ty
B16	Maucotools Locking System (MLS) Maucotools Locking System (MLS) Maucotools Locking System (MLS)	1



Cod.	Description	Q.ty
SM30	Kit Centraggio Rapido e Magnetico Magnetic Fast Centering Kit Kit de Centraje Rápido y Magnético	2



Cod.	Description	Q.ty
B27G	Giunto Interno Barra Porta Utensile Internal Boring Bars Joint Acoplamiento Interno de Barras B27	1



Cod.	Description	Q.ty
S34S-100	Staffa a ginocchio per Supporti Principali Universali Knee Bracket for Universal Main Supports Suportes a “L” para Universal Suportes Principales	12



Cod.	Description	Q.ty
S34	Supporti Principali Universali Universal Main Supports Universal Suportes Principales	4

LBM-250 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
C10	Chiave Speciale Supporto Principale Special Wrench for Main Supports Llave especial Suportes Principales	1



Cod.	Description	Q.ty
C11	Kit Completo Chiavi di servizio Complete Kit of Wrenches and tools Kit Completo de llaves de servicios	1



Cod.	Description	Q.ty
C37	Cavo di alimentazione 220V Power Cable 220V Cable de alimentación 220V	2



Cod.	Description	Q.ty
P14A	Porta Utensile Ø16mm SMALL Tool Holder Ø16mm SMALL Porta Herramienta Ø16mm SMALL	1



Cod.	Description	Q.ty
P14B	Porta Utensile Ø16mm MEDIUM Tool Holder Ø16mm MEDIUM Porta Herramienta Ø16mm MEDIUM	1



Cod.	Description	Q.ty
P14C	Porta Utensile Ø16mm BIG Tool Holder Ø16mm BIG Porta Herramienta Ø16mm BIG	1



Cod.	Description	Q.ty
P15	Inserti per barenatura in metallo duro Coated Boring Inserts Herramientas en metal duro	10



Cod.	Description	Q.ty
P15A	Vite Torx per inserti Torx screw for boring inserts Tornillos Torx para herramientas	10



Cod.	Description	Q.ty
PC14	Chiave Torx per inserti Torx screw for boring inserts Llave Torx para herramientas	1



Cod.	Description	Q.ty
PC15	Testa Rinforzo Porta Utensile ø250mm Tool Holder Head for ø250mm Refuerzo Porta Herramienta ø250mm	1

LBM-250 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
C31P	Comparatore completo di Aste Dial Gauge with brackets Reloj Comparador completo de suportes	1



Cod.	Description	Q.ty
C29	Calibro speciale Special Bore Measuring Caliper Calibre especial	1



Cod.	Description	Q.ty
A32	Supporto Principale per AV Main Support for DUAL SYSTEM Feed Suporte para Módulo DS Feed	1



Cod.	Description	Q.ty
CSDS	Cavalletto Porta Alesatrice Portatile Machine Stand Stand para Barrenadora Portátil	1



Cod.	Description	Q.ty
CI1	Cassa metallica “Red Maucotools” Metallic case “Red Maucotools” Caja metálica “Rojo Maucotools”	1



Cod.	Description	Q.ty
CM1	Adattatore Cono Morse per foratura Cono Morse Adapter for drilling Adaptador Cono Morse perforación	1



Cod.	Description	Q.ty
T17	Torcia di saldatura Telescopica Telescopic Welding Torch Antorcha de soldadura Telescópica	1



Cod.	Description	Q.ty
R17P40	Estensione Torcia di saldatura 40mm Extension for Welding Torch 40mm Extensión para Antorcha 40mm	1



Cod.	Description	Q.ty
R17P60	Ugello Tenuta gas conico Lunga Welding Long Conical Nozzle Tobera cónica gas larga	1



Cod.	Description	Q.ty
R17P100	Estensione Torcia per saldatura esterna Welding Torch for External Welding Antorcha para soldadura Externa	0

LBM-250 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
R17AS	Giunzione per Torcia di saldatura Junction connection for Welding Torch Acoplamiento de conexión Antorcha	1



Cod.	Description	Q.ty
R17T	Giunto per Torcia di saldatura Joint for Welding Torch Acoplamiento para Antorcha	1



Cod.	Description	Q.ty
R17AR	Adattatore per R17T Adapter for R17T Adaptador para R17T	1



Cod.	Description	Q.ty
G08C	Punta Guidafilo Corta ø0.8mm Welding Short Contact Tip ø0.8mm Boquilla de contacto Corta ø0.8mm	3



Cod.	Description	Q.ty
G08L	Punta Guidafilo Lunga ø0.8mm Welding Long Contact Tip ø0.8mm Boquilla de contacto Larga ø0.8mm	3



Cod.	Description	Q.ty
G10C	Punta Guidafilo Corta ø1mm Welding Short Contact Tip ø1mm Boquilla de contacto Corta ø1mm	3



Cod.	Description	Q.ty
G10L	Punta Guidafilo Lunga ø1mm Welding Long Contact Tip ø1mm Boquilla de contacto Larga ø1mm	3



Cod.	Description	Q.ty
G22C	Ugello Tenuta gas conico Corto Welding Short Conical Nozzle Tobera cónica gas corta	2



Cod.	Description	Q.ty
G22L	Ugello Tenuta gas conico Lunga Welding Long Conical Nozzle Tobera cónica gas larga	2



Cod.	Description	Q.ty
R17PS	Estensione Torcia per saldatura esterna Welding Torch for External Welding Antorcha para soldadura Externa	1

LBM-250 DUAL SYSTEM
OPTIONAL KITS



Cod.	Description	Q.ty
KB20	per lavorazioni da Ø22 mm (0.86”) for operations starting from Ø22 mm (0.86”) para operaciones desde Ø22 mm (0.86”)	1

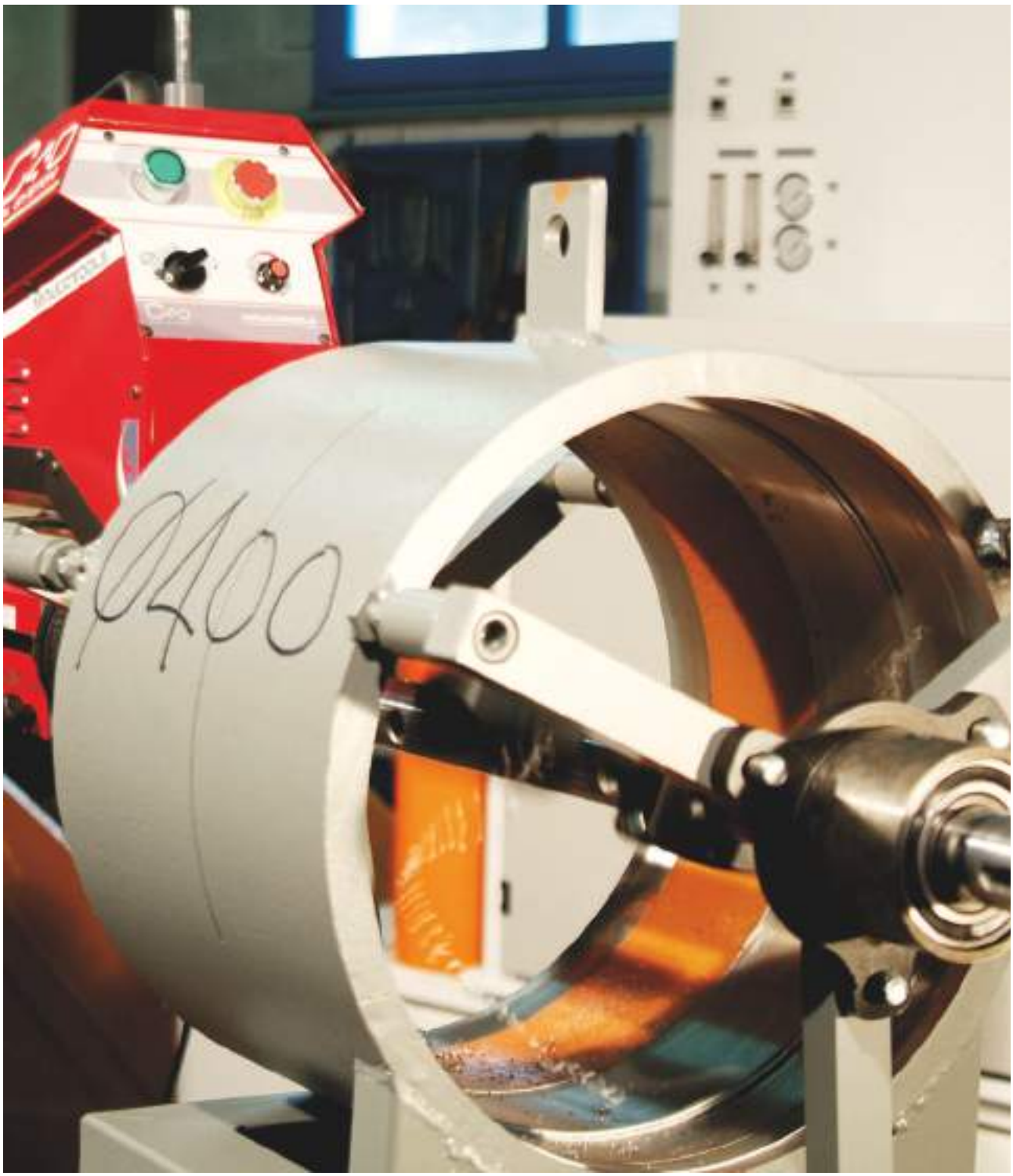


Cod.	Description	Q.ty
KC400	per barenatura e riporto di saldatura da Ø251 mm a Ø400 mm (9.88” - 15.74”) for Machining and Bore Welding from Ø251 mm up to Ø400 mm (9.88” - 15.74”) para Mecanizado y Aporte de Soldadura de Ø251 mm up to Ø400 mm (9.88” - 15.74”)	1



Cod.	Description	Q.ty
KC600	per barenatura e riporto di saldatura da Ø251 mm a Ø600 mm (9.88” - 23.62”) for Machining and Bore Welding from Ø251 mm up to Ø600 mm (9.88” - 23.62”) para Mecanizado y Aporte de Soldadura de Ø251 mm up to Ø600 mm (9.88” - 23.62”)	1

LBM-400 DUAL SYSTEM
MODULAR LINE BORING MACHINE





LBM-400 DUAL SYSTEM is our flagship Portable Line boring and Bore Welding machine.
This model has been thought and developed mainly for a large number of applications in different industries: stern tubes and rudder bores in the shipbuilding industry, turbine casings in the power generation industry, maintenance and repair big heavy construction equipment buckets, end loader arms and so on.

With the **LBM-400 DUAL SYSTEM** is possible to make On-Site Line Boring and Bore Welding operations from 42 mm up to 400 mm of diameter (1.65 to 15.74 inches), equipped with the standard package.

Electric, Hydraulic and Pneumatic **Main Rotation Modules** available with reduction **gearbox transmission.**

ADVANTAGES

- **PATENTED DUAL SYSTEM**: Built in two separate MODULES that can do independent machining. To make Bore Welding operations is not necessary to use the body of the engine machine, just use only the DUAL SYSTEM Feed Drive Module.
- Double motorization to have the **total control of ROTATION and FEED**
- **MAUCOTOOLS Motor Protection System (MMPS)** to protect your 2 motors
- The **MODULAR SYSTEM** gives you the possibility to use the **LBM 400 DUAL SYSTEM** with ALL our **Optional Kits** for increasing the diameter range of work up to Ø600 mm (23.63 inch) and decrease starting from Ø22 mm (0.86 inch): with no requirements to buy another new machine, **saving money** and **optimizing your investment** (ROI).
- **Fast Centering Kit**, with magnetic system (you do not need to weld the kit for centering, saving time and money).
- **4 Universal Main Supports with 3 adjustable arms** included in the standard package.
- **Digital Measuring Caliper**: to measure the diameter you can directly use our digital caliper without removing the boring bar: to save time, reduce the complexity of the process and to be more accurate.

LBM-400 DUAL SYSTEM
MODULAR LINE BORING MACHINE

- **Stronger Tool holders** of 16 mm (0.63 inch).
- Electric (220 & 110V), Hydraulic and Pneumatic power options available.
- **Automatic and adjustable feed stop**.
- **Remote Control Panel included** in the standard Package.
- **Auto-joining Chromed Boring Bars**: Ø20, 40, 60 mm (0.78, 1.57, 2.36 inches).
- **Maucotools Error Detection System (MeDS) and Maucotools Motor Protection System (MMPS)** to always working aware and safe.
- **Synchronous feed and rotation** for Bore Welding operations.
- **Unlimited Longitudinal Feed** with steps of 200 mm and **Electronic Fast feed**.
- **Fast and Conical Centering Kit** for buckets available.

Mounting Time: only 14 minutes!

LBM 400 DUAL SYSTEM	
Works and Operating Ranges	
Boring Bars Ø	40mm - 1.57 inches (included)
Internal Line Boring Ø	42mm - 400mm (1.65 - 15.64 inches)
Internal Automatic Bore Welding Ø	42mm - 400mm (1.65 - 15.64 inches)
External Automatic Bore Welding Ø	42mm - 400mm (1.65 - 15.64 inches)
Drilling Ø	10mm - 45mm (0.39 - 1.77 inches)
Tapping Ø	10mm - 45mm (0.39 - 1.77 inches)
Flange Facing and Seeger Circlips	Optional
Milling Ø	Optional
DUAL SYSTEM Feed Drive Module	
Brushless Gearmotor	YES
Phases No.	3
Motor type	DC
Power	125W
Speed	0-300 RPM
Feed type	Electromechanical Automatic and Manual
Maucotools Detection System (MeDS): Errors in operations	YES
Maucotools Motor Protection System (MMPS	YES



- **Reduction Gearbox Transmission and Permanent Lubrification**
- **Synchronous feed and rotation for Bore Welding operations**
- **3 Tool Holders of 16mm with 10 cutting edges included**
- **Unlimited Longitudinal Stroke with steps of 200 mm**
- **Spiral Welding system (with variable steps)**
- **Conical clamp for mounting machine**



Dimensions (mm)	
A	600
B	975
C	500

LBM 400 DUAL SYSTEM		
DUAL SYSTEM Main Power Drive Module		
Motor Type	2-Speed Electric	Hydraulic
Power	1800W – 230V (110V available)	10.2kW in continues
Speed	Speed I: 54-126 RPM Speed II: 180-423 RPM	Max speed 437 in cont. Min speed 9 in cont.
MEASURES		
Typical Machine ship weight	142 Kg	142 Kg
Typical ship dimensions (shipped in 1 Red Metallic Case)	108 x 61 x 42 cm (42.52 x 24 x 16.54 inches)	

LBM-400 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
RT	Modulo DUAL SYSTEM Main Power Drive DUAL SYSTEM Main Power Drive Module Módulo DUAL SYSTEM Main Power Drive	1



Cod.	Description	Q.ty
AV	Modulo DUAL SYSTEM Feed Drive DUAL SYSTEM Feed Drive Module Módulo DUAL SYSTEM Feed Drive	1



Cod.	Description	Q.ty
CAV	Pannello di Controllo Avanzamento Feed Control Panel Mando de Control de avance	1



Cod.	Description	Q.ty
CAV1	Cavo di alimentazione per CAV Feed Control Panel Cable Cable de alimentación para CAV	1



Cod.	Description	Q.ty
B27	Barra Porta Utensili ø40mm x 1000mm Boring Bar ø40mm x 1000mm Barra Porta Herramienta ø40mm x 1000	2



Cod.	Description	Q.ty
B16	Maucotools Locking System (MLS) Maucotools Locking System (MLS) Maucotools Locking System (MLS)	1



Cod.	Description	Q.ty
SM30	Kit Centraggio Rapido e Magnetico Magnetic Fast Centering Kit Kit de Centraje Rápido y Magnético	2



Cod.	Description	Q.ty
B27G	Giunto Interno Barra Porta Utensile Internal Boring Bars Joint Acoplamiento Interno de Barras B27	1



Cod.	Description	Q.ty
S34S-100	Staffa a ginocchio per Supporti Principali Universali Knee Bracket for Universal Main Supports Suportes a “L” para Universal Suportes Principales	12



Cod.	Description	Q.ty
S34	Supporti Principali Universali Universal Main Supports Universal Suportes Principales	4

LBM-400 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
C10	Chiave Speciale Supporto Principale Special Wrench for Main Supports Llave especial Suportes Principales	1



Cod.	Description	Q.ty
C11	Kit Completo Chiavi di servizio Complete Kit of Wrenches and tools Kit Completo de llaves de servicios	1



Cod.	Description	Q.ty
C37	Cavo di alimentazione 220V Power Cable 220V Cable de alimentación 220V	2



Cod.	Description	Q.ty
P14A	Porta Utensile Ø16mm SMALL Tool Holder Ø16mm SMALL Porta Herramienta Ø16mm SMALL	1



Cod.	Description	Q.ty
P14B	Porta Utensile Ø16mm MEDIUM Tool Holder Ø16mm MEDIUM Porta Herramienta Ø16mm MEDIUM	1



Cod.	Description	Q.ty
P14C	Porta Utensile Ø16mm BIG Tool Holder Ø16mm BIG Porta Herramienta Ø16mm BIG	1



Cod.	Description	Q.ty
P15	Inserti per barenatura in metallo duro Coated Boring Inserts Herramientas en metal duro	10



Cod.	Description	Q.ty
P15A	Vite Torx per inserti Torx screw for boring inserts Tornillos Torx para herramientas	10



Cod.	Description	Q.ty
PC14	Chiave Torx per inserti Torx screw for boring inserts Llave Torx para herramientas	1



Cod.	Description	Q.ty
PC15	Testa Rinforzo Porta Utensile ø250mm Tool Holder Head for ø250mm Refuerzo Porta Herramienta ø250mm	1

LBM-400 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
C31P	Comparatore completo di Aste Dial Gauge with brackets Reloj Comparador completo de suportes	1



Cod.	Description	Q.ty
C29	Calibro speciale Special Bore Measuring Caliper Calibre especial	1



Cod.	Description	Q.ty
A32	Supporto Principale per AV Main Support for DUAL SYSTEM Feed Suporte para Módulo DS Feed	1



Cod.	Description	Q.ty
CSDS	Cavalletto Porta Alesatrice Portatile Machine Stand Stand para Barrenadora Portátil	1



Cod.	Description	Q.ty
CI1	Cassa metallica “Red Maucotools” Metallic case “Red Maucotools” Caja metálica “Rojo Maucotools”	1



Cod.	Description	Q.ty
CM1	Adattatore Cono Morse per foratura Cono Morse Adapter for drilling Adaptador Cono Morse perforación	1



Cod.	Description	Q.ty
S34S-180	Staffa a ginocchio Supporti Ø400mm Knee Bracket Main Supports Ø400mm Suportes a “L” Ø400mm	12



Cod.	Description	Q.ty
P14R400	Testa Rinforzo Porta Utensile Ø400mm Tool Holder Head for Ø400mm Refuerzo Porta Herramienta Ø400mm	1



Cod.	Description	Q.ty
APC400	Asta per comparatore fino a Ø400mm Bracket for Dial Gauge up to Ø400mm Suporte para comparador a Ø400mm	1



Cod.	Description	Q.ty
T17	Torcia di saldatura Telescopica Telescopic Welding Torch Antorcha de soldadura Telescópica	1

LBM-400 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
R17P40	Estensione Torcia di saldatura 40mm Extension for Welding Torch 40mm Extensión para Antorcha 40mm	1



Cod.	Description	Q.ty
R17P60	Ugello Tenuta gas conico Lunga Welding Long Conical Nozzle Tobera cónica gas larga	1



Cod.	Description	Q.ty
R17P100	Estensione Torcia per saldatura esterna Welding Torch for External Welding Antorcha para soldadura Externa	1



Cod.	Description	Q.ty
R17AS	Giunzione per Torcia di saldatura Junction connection for Welding Torch Acoplamiento de conexión Antorcha	1



Cod.	Description	Q.ty
R17T	Giunto per Torcia di saldatura Joint for Welding Torch Acoplamiento para Antorcha	1



Cod.	Description	Q.ty
R17AR	Adattatore per R17T Adapter for R17T Adaptador para R17T	1



Cod.	Description	Q.ty
G08C	Punta Guidafilo Corta ø0.8mm Welding Short Contact Tip ø0.8mm Boquilla de contacto Corta ø0.8mm	3



Cod.	Description	Q.ty
G08L	Punta Guidafilo Lunga ø0.8mm Welding Long Contact Tip ø0.8mm Boquilla de contacto Larga ø0.8mm	3



Cod.	Description	Q.ty
G10C	Punta Guidafilo Corta ø1mm Welding Short Contact Tip ø1mm Boquilla de contacto Corta ø1mm	3



Cod.	Description	Q.ty
G10L	Punta Guidafilo Lunga ø1mm Welding Long Contact Tip ø1mm Boquilla de contacto Larga ø1mm	3

LBM-400 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
G22C	Ugello Tenuta gas conico Corto Welding Short Conical Nozzle Tobera cónica gas corta	2



Cod.	Description	Q.ty
G22L	Ugello Tenuta gas conico Lunga Welding Long Conical Nozzle Tobera cónica gas larga	2



Cod.	Description	Q.ty
R17PS	Estensione Torcia per saldatura esterna Welding Torch for External Welding Antorcha para soldadura Externa	1

LBM-400 DUAL SYSTEM
OPTIONAL KITS



Cod.	Description	Q.ty
KB20	per lavorazioni da Ø22 mm (0.86”) for operations starting from Ø22 mm (0.86”) para operaciones desde Ø22 mm (0.86”)	1



Cod.	Description	Q.ty
KC600A	per barenatura e riporto di saldatura da Ø251 mm a Ø600 mm (9.88” - 23.62”) for Machining and Bore Welding from Ø251 mm up to Ø600 mm (9.88” - 23.62”) para Mecanizado y Aporte de Soldadura de Ø251 mm up to Ø600 mm (9.88” - 23.62”)	1

LBM-600 DUAL SYSTEM
MODULAR LINE BORING MACHINE





LBM-600 DUAL SYSTEM is our biggest Portable Line boring and Overlay Welding machine. This model has been thought and developed mainly for maintenance and repair heavy construction equipment buckets, end loader arms, articulation units, dog bones, draglines housing, etc.

With our **LBM-600 DUAL SYSTEM** is possible to make **line boring** and **overlay welding** operations from 42 mm up to 600 mm of diameter (1.65 to 23.62 inches), equipped with the **standard package**.

Electric, Hydraulic and Pneumatic **Main Rotation Modules** available with **reduction gearbox transmission**.

ADVANTAGES

- **PATENTED DUAL SYSTEM**: Built in two separate MODULES that can do independent machining. To make Bore Welding operations is not necessary to use the body of the engine machine, just use only the DUAL SYSTEM Feed Drive Module.
- Double motorization to have the **total control of ROTATION and FEED**
- **MAUCOTOOLS Motor Protection System (MMPS)** to protect your 2 motors
- The **MODULAR SYSTEM** gives you the possibility to use the **LBM 600 DUAL SYSTEM** with ALL our **Optional Kits** for decreasing starting from Ø22 mm (0.86 inch): with no requirements to buy another new machine, saving money and optimizing your investment (ROI).**Fast Centering Kit**, with magnetic system (you do not need to weld the kit for centering, saving time and money).
- **4 Universal Main Supports with 3 adjustable arms** included in the standard package.
- **Digital Measuring Caliper**: to measure the diameter you can directly use our digital caliper without removing the boring bar: to save time, reduce the complexity of the process and to be more accurate.

LBM-600 DUAL SYSTEM
MODULAR LINE BORING MACHINE

- **Stronger Tool holders** of 16 mm (0.63 inch).
- Electric (220 & 110V), Hydraulic and Pneumatic power options available.
- **Automatic and adjustable feed stop**.
- **Remote Control Panel included** in the standard Package.
- **Auto-joining Chromed Boring Bars**: Ø20, 40, 60 mm (0.78, 1.57, 2.36 inches).
- **Maucotools Error Detection System (MeDS) and Maucotools Motor Protection System (MMPS)** to always working aware and safe.
- **Synchronous feed and rotation** for Bore Welding operations.
- **Unlimited Longitudinal Feed** with steps of 200 mm and **Electronic Fast feed**.
- **Fast and Conical Centering Kit** for buckets available.

Mounting Time: only 14 minutes!

LBM 600 DUAL SYSTEM	
Works and Operating Ranges	
Boring Bars Ø	40mm & 60mm - 1.57 & 2.36 inches (included)
Internal Line Boring Ø	42mm - 600mm (1.65 - 23.62 inches)
Internal Automatic Bore Welding Ø	42mm - 600mm (1.65 - 23.62 inches)
External Automatic Bore Welding Ø	42mm - 600mm (1.65 - 23.62 inches)
Drilling Ø	10mm - 45mm (0.39 - 1.77 inches)
Tapping Ø	10mm - 45mm (0.39 - 1.77 inches)
Flange Facing and Seeger Circlips	Optional
Milling Ø	Optional
DUAL SYSTEM Feed Drive Module	
Brushless Gearmotor	YES
Phases No.	3
Motor type	DC
Power	125W
Speed	0-300 RPM
Feed type	Electromechanical Automatic and Manual
Maucotools Detection System (MeDS): Errors in operations	YES
Maucotools Motor Protection System (MMPS	YES



- **Reduction Gearbox Transmission and Permanent Lubrification**
- **Synchronous feed and rotation for Bore Welding operations**
- **3 Tool Holders of 16mm with 10 cutting edges included**
- **Unlimited Longitudinal Stroke with steps of 200 mm**
- **Spiral Welding system (with variable steps)**
- **Conical clamp for mounting machine**



Dimensions (mm)	
A	600
B	975
C	500

LBM 600 DUAL SYSTEM		
DUAL SYSTEM Main Power Drive Module		
Motor Type	2-Speed Electric	Hydraulic
Power	1800W – 230V (110V available)	10.2kW in continues
Speed	Speed I: 54-126 RPM Speed II: 180-423 RPM	Max speed 437 in cont. Min speed 9 in cont.
MEASURES		
Typical Machine ship weight	155 Kg	155 Kg
Typical ship dimensions (shipped in 1 Red Metallic Case)	108 x 61 x 42 cm (42.52 x 24 x 16.54 inches)	

LBM-600 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
RT	Modulo DUAL SYSTEM Main Power Drive DUAL SYSTEM Main Power Drive Module Módulo DUAL SYSTEM Main Power Drive	1



Cod.	Description	Q.ty
AV	Modulo DUAL SYSTEM Feed Drive DUAL SYSTEM Feed Drive Module Módulo DUAL SYSTEM Feed Drive	1



Cod.	Description	Q.ty
CAV	Pannello di Controllo Avanzamento Feed Control Panel Mando de Control de avance	1



Cod.	Description	Q.ty
CAV1	Cavo di alimentazione per CAV Feed Control Panel Cable Cable de alimentación para CAV	1



Cod.	Description	Q.ty
B27	Barra Porta Utensili ø40mm x 1000mm Boring Bar ø40mm x 1000mm Barra Porta Herramienta ø40mm x 1000	2



Cod.	Description	Q.ty
B16	Maucotools Locking System (MLS) Maucotools Locking System (MLS) Maucotools Locking System (MLS)	1



Cod.	Description	Q.ty
SM30	Kit Centraggio Rapido e Magnetico Magnetic Fast Centering Kit Kit de Centraje Rápido y Magnético	2



Cod.	Description	Q.ty
B27G	Giunto Interno Barra Porta Utensile Internal Boring Bars Joint Acoplamiento Interno de Barras B27	1



Cod.	Description	Q.ty
S34S-100	Staffa a ginocchio per Supporti Principali Universali Knee Bracket for Universal Main Supports Suportes a “L” para Universal Suportes Principales	12



Cod.	Description	Q.ty
S34	Supporti Principali Universali Universal Main Supports Universal Suportes Principales	4

LBM-600 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
C10	Chiave Speciale Supporto Principale Special Wrench for Main Supports Llave especial Suportes Principales	1



Cod.	Description	Q.ty
C11	Kit Completo Chiavi di servizio Complete Kit of Wrenches and tools Kit Completo de llaves de servicios	1



Cod.	Description	Q.ty
C37	Cavo di alimentazione 220V Power Cable 220V Cable de alimentación 220V	2



Cod.	Description	Q.ty
P14A	Porta Utensile Ø16mm SMALL Tool Holder Ø16mm SMALL Porta Herramienta Ø16mm SMALL	1



Cod.	Description	Q.ty
P14B	Porta Utensile Ø16mm MEDIUM Tool Holder Ø16mm MEDIUM Porta Herramienta Ø16mm MEDIUM	1



Cod.	Description	Q.ty
P14C	Porta Utensile Ø16mm BIG Tool Holder Ø16mm BIG Porta Herramienta Ø16mm BIG	1



Cod.	Description	Q.ty
P15	Inserti per barenatura in metallo duro Coated Boring Inserts Herramientas en metal duro	10



Cod.	Description	Q.ty
P15A	Vite Torx per inserti Torx screw for boring inserts Tornillos Torx para herramientas	10



Cod.	Description	Q.ty
PC14	Chiave Torx per inserti Torx screw for boring inserts Llave Torx para herramientas	1



Cod.	Description	Q.ty
PC15	Testa Rinforzo Porta Utensile ø250mm Tool Holder Head for ø250mm Refuerzo Porta Herramienta ø250mm	1

LBM-600 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
C31P	Comparatore completo di Aste Dial Gauge with brackets Reloj Comparador completo de suportes	1



Cod.	Description	Q.ty
C29	Calibro speciale Special Bore Measuring Caliper Calibre especial	1



Cod.	Description	Q.ty
A32	Supporto Principale per AV Main Support for DUAL SYSTEM Feed Suporte para Módulo DS Feed	1



Cod.	Description	Q.ty
CSDS	Cavalletto Porta Alesatrice Portatile Machine Stand Stand para Barrenadora Portátil	1



Cod.	Description	Q.ty
CI1	Cassa metallica “Red Maucotools” Metallic case “Red Maucotools” Caja metálica “Rojo Maucotools”	1



Cod.	Description	Q.ty
S34S-180	Staffa a ginocchio Supporti Ø400mm Knee Bracket Main Supports Ø400mm Suportes a “L” Ø400mm	12



Cod.	Description	Q.ty
P14R400	Testa Rinforzo Porta Utensile Ø400mm Tool Holder Head for Ø400mm Refuerzo Porta Herramienta Ø400mm	1



Cod.	Description	Q.ty
APC400	Asta per comparatore fino a Ø400mm Bracket for Dial Gauge up to Ø400mm Suporte para comparador a Ø400mm	1



Cod.	Description	Q.ty
B2760	Barra Porta Utensili ø60mm x 1000mm Boring Bar ø60mm x 1000mm Barra Porta Herramienta ø60mm x 1000	1



Cod.	Description	Q.ty
P14R6C	Est. Testa Rinforzo Porta Utensili Extension Tool Holder Head Refuerzo Porta Herramienta	1

LBM-600 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
P14R6L	Est. Testa Rinforzo Porta Utensili Extension Tool Holder Head Refuerzo Porta Herramienta	1



Cod.	Description	Q.ty
S34S60	Testa Porta Utensili per ø600mm Tool Holder Head for ø600mm Refuerzo Porta Herramienta ø600mm	1



Cod.	Description	Q.ty
S34SF	Flangia per Supporti fino a ø600mm Flange for Supports up to ø600mm Brida para Suportes hasta ø600mm	2



Cod.	Description	Q.ty
S34S-250	Staffa a ginocchio Supporti Ø600mm Knee Bracket Main Supports Ø600mm Suportes a “L” Ø600mm	12



Cod.	Description	Q.ty
CPS600	Contrappeso per alesatura Counterweight for boring Contrapeso para barrenado	1



Cod.	Description	Q.ty
CM1	Adattatore Cono Morse per foratura Cono Morse Adapter for drilling Adaptador Cono Morse perforación	1



Cod.	Description	Q.ty
SC600	Kit Centraggio da ø400mm a ø600mm Centering Kit from ø400mm to ø600mm Kit de centrale de ø400mm a ø600mm	2



Cod.	Description	Q.ty
T17	Torcia di saldatura Telescopica Telescopic Welding Torch Antorcha de soldadura Telescópica	1



Cod.	Description	Q.ty
R17P40	Estensione Torcia di saldatura 40mm Extension for Welding Torch 40mm Extensión para Antorcha 40mm	1



Cod.	Description	Q.ty
R17P60	Ugello Tenuta gas conico Lunga Welding Long Conical Nozzle Tobera cónica gas larga	1

LBM-600 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
R17P100	Estensione Torcia per saldatura esterna Welding Torch for External Welding Antorcha para soldadura Externa	2



Cod.	Description	Q.ty
R17AS	Giunzione per Torcia di saldatura Junction connection for Welding Torch Acoplamiento de conexión Antorcha	1



Cod.	Description	Q.ty
R17T	Giunto per Torcia di saldatura Joint for Welding Torch Acoplamiento para Antorcha	1



Cod.	Description	Q.ty
R17AR	Adattatore per R17T Adapter for R17T Adaptador para R17T	1



Cod.	Description	Q.ty
G08C	Punta Guidafilo Corta ø0.8mm Welding Short Contact Tip ø0.8mm Boquilla de contacto Corta ø0.8mm	3



Cod.	Description	Q.ty
G08L	Punta Guidafilo Lunga ø0.8mm Welding Long Contact Tip ø0.8mm Boquilla de contacto Larga ø0.8mm	3



Cod.	Description	Q.ty
G10C	Punta Guidafilo Corta ø1mm Welding Short Contact Tip ø1mm Boquilla de contacto Corta ø1mm	3



Cod.	Description	Q.ty
G10L	Punta Guidafilo Lunga ø1mm Welding Long Contact Tip ø1mm Boquilla de contacto Larga ø1mm	3



Cod.	Description	Q.ty
G22C	Ugello Tenuta gas conico Corto Welding Short Conical Nozzle Tobera cónica gas corta	2



Cod.	Description	Q.ty
G22L	Ugello Tenuta gas conico Lunga Welding Long Conical Nozzle Tobera cónica gas larga	2

LBM-600 DUAL SYSTEM
STANDARD PACKAGE



Cod.	Description	Q.ty
R17PS	Estensione Torcia per saldatura esterna Welding Torch for External Welding Antorcha para soldadura Externa	1

LBM-600 DUAL SYSTEM
OPTIONAL KITS



Cod.	Description	Q.ty
KB20	per lavorazioni da Ø22 mm (0.86”) for operations starting from Ø22 mm (0.86”) para operaciones desde Ø22 mm (0.86”)	1

ONLY BORING
Series









LINE BORING MACHINE

The **OB** is the new **MAUCOTOOLS** series of On-Site Portable Line Boring machines. Developed for versatile machining operations to minimize wasting time activities and achieve excellent results.
The **OB series** is only the beginning! Manufactured following the **MAUCOTOOLS MODULAR principle** with always the possibility for on-site machining smaller and bigger diameters and increase the type of operations, such as Bore Welding.

OB-200
LINE BORING MACHINE





OB-200 is the MAUCOTOOLS smallest solution for On-Site Line Boring applications.
The *series OB* has been thought and developed mainly for maintenance and repair heavy construction equipment buckets, end loader arms, articulation units, dog bones, draglines housing and for simple applications to reduce the time of the operations.

With the **OB-200** is possible to make **On-Site Line Boring** operations from 22 mm up to 200 mm of diameter (0.86 to 7.88 inches), equipped with the standard package.
The OB-200 can be upgraded with all the **MAUCOTOOLS Optional Packages** and Kits, increasing the range of diameters up to 600mm (23.63 inches) and the applications with the **MAUCOTOOLS Welding Package**.

Electric, Hydraulic and Pneumatic **Main Rotation Modules** available with reduction **gearbox transmission**.

ADVANTAGES

- Double motorization to have the **total control of ROTATION and FEED**
- **MAUCOTOOLS Motor Protection System (MMPS)** to protect your 2 motors
- The **MODULAR SYSTEM** gives you the possibility to use the **OB-200** with ALL our **Optional Kits** for increasing the diameter range of work up to Ø600 mm (23.63 inch) and decrease starting from Ø22 mm (0.86 inch): with no requirements to buy another new machine, **saving money** and **optimizing your investment** (ROI).
- **Fast Centering Kit**, with magnetic system (you do not need to weld the kit for centering, saving time and money).
- **Universal Main Supports with 3 adjustable arms** included in the standard package.
- **Digital Measuring Caliper**: to measure the diameter you can directly use our digital caliper without removing the boring bar: to save time, reduce the complexity of the process and to be more accurate.
- **Stronger Tool holders** of 16 mm (0.63 inch).
- Electric (220 & 110V), Hydraulic and Pneumatic power options available.

OB-200
LINE BORING MACHINE

- **Automatic and adjustable feed stop**.
- **Remote Control Panel included** in the standard Package.
- **Auto-joining Chromed Boring Bars**: Ø20, 40, 60 mm (0.78, 1.57, 2.36 inches).
- **Maucotools Error Detection System (MeDS) and Maucotools Motor Protection System (MMPS)** to always working aware and safe.
- **Synchronous feed and rotation** for Bore Welding operations.
- **Unlimited Longitudinal Feed** with steps of 200 mm and **Electronic Fast feed**.
- **Fast and Conical Centering Kit** for buckets available.

Mounting Time: only 14 minutes!

OB-200	
Works and Operating Ranges	
Boring Bars Ø	20mm & 40mm - 0.788 & 1.574 inches (included)
Internal Line Boring Ø	22mm - 200mm (0.86 - 7.87 inches)
Internal Automatic Bore Welding Ø	Optional
External Automatic Bore Welding Ø	Optional
Drilling Ø	Optional
Tapping Ø	Optional
Milling Ø	Optional
Flange Facing and Seeger Circlips	Optional
DUAL SYSTEM Feed Drive Module	
Brushless Gearmotor	YES
Phases No.	3
Motor type	DC
Power	125W
Speed	0-300 RPM
Feed type	Electromechanical Automatic and Manual
Maucotools Detection System (MeDS): Errors in operations	YES
Maucotools Motor Protection System (MMPS	YES



- **Reduction Gearbox Transmission and Permanent Lubrification**
- **Synchronous feed and rotation for Bore Welding operations**
- **3 Tool Holders of 16mm with 10 cutting edges included**
- **Unlimited Longitudinal Stroke with steps of 200 mm**
- **Spiral Welding system (with variable steps)**
- **Conical clamp for mounting machine**



Dimensions (mm)	
A	600
B	975
C	500

OB-200		
DUAL SYSTEM Main Power Drive Module		
Motor Type	2-Speed Electric	Hydraulic
Power	1800W – 230V (110V available)	10.2kW in continues
Speed	Speed I: 54-126 RPM Speed II: 180-423 RPM	Max speed 437 in cont. Min speed 9 in cont.
MEASURES		
Typical Machine ship weight	120 Kg	120 Kg
Typical ship dimensions (shipped in 1 Red Metallic Case)	108 x 61 x 42 cm (42.52 x 24 x 16.54 inches)	

OB-200
STANDARD PACKAGE



Cod.	Description	Q.ty
RT	Modulo DUAL SYSTEM Main Power Drive DUAL SYSTEM Main Power Drive Module Módulo DUAL SYSTEM Main Power Drive	1



Cod.	Description	Q.ty
AV	Modulo DUAL SYSTEM Feed Drive DUAL SYSTEM Feed Drive Module Módulo DUAL SYSTEM Feed Drive	1



Cod.	Description	Q.ty
CAV	Pannello di Controllo Avanzamento Feed Control Panel Mando de Control de avance	1



Cod.	Description	Q.ty
CAV1	Cavo di alimentazione per CAV Feed Control Panel Cable Cable de alimentación para CAV	1



Cod.	Description	Q.ty
B27	Barra Porta Utensili ø40mm x 1000mm Boring Bar ø40mm x 1000mm Barra Porta Herramienta ø40mm x 1000	1



Cod.	Description	Q.ty
B16	Maucotools Locking System (MLS) Maucotools Locking System (MLS) Maucotools Locking System (MLS)	1



Cod.	Description	Q.ty
SM30	Kit Centraggio Rapido e Magnetico Magnetic Fast Centering Kit Kit de Centraje Rápido y Magnético	2



Cod.	Description	Q.ty
S34S-100	Staffa a ginocchio per Supporti Principali Universali Knee Bracket for Universal Main Supports Suportes a “L” para Universal Suportes Principales	6



Cod.	Description	Q.ty
S34	Supporti Principali Universali Universal Main Supports Universal Suportes Principales	2



Cod.	Description	Q.ty
C10	Chiave Speciale Supporto Principale Special Wrench for Main Supports Llave especial Suportes Principales	1

OB-200
STANDARD PACKAGE



Cod.	Description	Q.ty
C11	Kit Completo Chiavi di servizio Complete Kit of Wrenches and tools Kit Completo de llaves de servicios	1



Cod.	Description	Q.ty
C37	Cavo di alimentazione 220V Power Cable 220V Cable de alimentación 220V	2



Cod.	Description	Q.ty
P14A	Porta Utensile Ø16mm SMALL Tool Holder Ø16mm SMALL Porta Herramienta Ø16mm SMALL	1



Cod.	Description	Q.ty
P14B	Porta Utensile Ø16mm MEDIUM Tool Holder Ø16mm MEDIUM Porta Herramienta Ø16mm MEDIUM	1



Cod.	Description	Q.ty
P14C	Porta Utensile Ø16mm BIG Tool Holder Ø16mm BIG Porta Herramienta Ø16mm BIG	1



Cod.	Description	Q.ty
P15	Inserti per barenatura in metallo duro Coated Boring Inserts Herramientas en metal duro	10



Cod.	Description	Q.ty
P15A	Vite Torx per inserti Torx screw for boring inserts Tornillos Torx para herramientas	10



Cod.	Description	Q.ty
PC14	Chiave Torx per inserti Torx screw for boring inserts Llave Torx para herramientas	1



Cod.	Description	Q.ty
PC15	Testa Rinforzo Porta Utensile ø200mm Tool Holder Head for ø200mm Refuerzo Porta Herramienta ø200mm	1



Cod.	Description	Q.ty
C29	Calibro speciale Special Bore Measuring Caliper Calibre especial	1

OB-200
STANDARD PACKAGE



Cod.	Description	Q.ty
C31P	Comparatore completo di Aste Dial Gauge with brackets Reloj Comparador completo de suportes	1



Cod.	Description	Q.ty
CSDS	Cavalletto Porta Alesatrice Portatile Machine Stand Stand para Barrenadora Portátil	1



Cod.	Description	Q.ty
CI1	Cassa metallica “Red Maucotools” Metallic case “Red Maucotools” Caja metálica “Rojo Maucotools”	1

OB-200
OPTIONAL KITS



Cod.	Description	Q.ty
KB20	per lavorazioni da Ø22 mm (0.86”) for operations starting from Ø22 mm (0.86”) para operaciones desde Ø22 mm (0.86”)	1



Cod.	Description	Q.ty
KC400	per barenatura Ø200 mm a Ø400 mm (9.88” - 15.74”) for Machining from Ø200 mm a Ø400 mm (9.88” - 15.74”) para MecanizadoØ200 mm a Ø400 mm (9.88” - 15.74”)	1



Cod.	Description	Q.ty
KC600	per barenatura Ø200 mm a Ø600 mm (9.88” - 23.62”) for Machining Ø200 mm a Ø600 mm (9.88” - 23.62”) para Mecanizado Ø200 mm a Ø600 mm (9.88” - 23.62”)	1



Cod.	Description	Q.ty
KS	per Riporto di Saldatura fino a Ø250, Ø400 e Ø600 mm for Bore Welding up to Ø250, Ø400 e Ø600 mm para Aporte de Soldadura hasta Ø250, Ø400 e Ø600 mm	1

OB-400
LINE BORING MACHINE





OB-400 is the most versatile solution for On-Site Line Boring applications.

The **series OB** has been thought and developed mainly for maintenance and repair heavy construction equipment buckets, end loader arms, articulation units, dog bones, draglines housing and for simple applications to reduce the time of the operations.
With the **OB-400** is possible to make **On-Site Line Boring operations** from 42 mm up to 400 mm of diameter (1.65 to 15.75 inches), equipped with the standard package.

The **OB-400** can be upgraded with all the **MAUCOTOOLS Optional Packages and Kits**, increasing the range of diameters: starting from 22mm (0.86 inches) and the applications with the **MAUCOTOOLS Welding Package**.

Electric, Hydraulic and Pneumatic **Main Rotation Modules** available with **reduction gearbox transmission**.

ADVANTAGES

- Double motorization to have the **total control of ROTATION and FEED**
- **MAUCOTOOLS Motor Protection System (MMPS)** to protect your 2 motors
- The **MODULAR SYSTEM** gives you the possibility to use the **OB-400** with ALL our **Optional Kits** for increasing the diameter range of work up to Ø600 mm (23.63 inch) and decrease starting from Ø22 mm (0.86 inch): with no requirements to buy another new machine, **saving money** and **optimizing your investment (ROI)**.
- **Fast Centering Kit**, with magnetic system (you do not need to weld the kit for centering, saving time and money).
- **Universal Main Supports with 3 adjustable arms** included in the standard package.
- **Digital Measuring Caliper**: to measure the diameter you can directly use our digital caliper without removing the boring bar: to save time, reduce the complexity of the process and to be more accurate.

OB-400
LINE BORING MACHINE

- **Stronger Tool holders** of 16 mm (0.63 inch).
- Electric (220 & 110V), Hydraulic and Pneumatic power options available.
- **Automatic and adjustable feed stop**.
- **Remote Control Panel included** in the standard Package.
- **Auto-joining Chromed Boring Bars**: Ø20, 40, 60 mm (0.78, 1.57, 2.36 inches).
- **Maucotools Error Detection System (MeDS) and Maucotools Motor Protection System (MMPS)** to always working aware and safe.
- **Synchronous feed and rotation** for Bore Welding operations.
- **Unlimited Longitudinal Feed** with steps of 200 mm and **Electronic Fast feed**.
- **Fast and Conical Centering Kit** for buckets available.

Mounting Time: only 14 minutes!

OB-400	
Works and Operating Ranges	
Boring Bars Ø	40mm - 1.574 inches (included)
Internal Line Boring Ø	42mm - 400mm (1.65 - 15.64 inches)
Internal Automatic Bore Welding Ø	Optional
External Automatic Bore Welding Ø	Optional
Drilling Ø	Optional
Tapping Ø	Optional
Milling Ø	Optional
Flange Facing and Seeger Circlips	Optional
DUAL SYSTEM Feed Drive Module	
Brushless Gearmotor	YES
Phases No.	3
Motor type	DC
Power	125W
Speed	0-300 RPM
Feed type	Electromechanical Automatic and Manual
Maucotools Detection System (MeDS): Errors in operations	YES
Maucotools Motor Protection System (MMPS	YES



- **Reduction Gearbox Transmission and Permanent Lubrification**
- **Synchronous feed and rotation for Bore Welding operations**
- **3 Tool Holders of 16mm with 10 cutting edges included**
- **Unlimited Longitudinal Stroke with steps of 200 mm**
- **Spiral Welding system (with variable steps)**
- **Conical clamp for mounting machine**



Dimensions (mm)	
A	600
B	975
C	500

OB-400		
DUAL SYSTEM Main Power Drive Module		
Motor Type	2-Speed Electric	Hydraulic
Power	1800W – 230V (110V available)	10.2kW in continues
Speed	Speed I: 54-126 RPM Speed II: 180-423 RPM	Max speed 437 in cont. Min speed 9 in cont.
MEASURES		
Typical Machine ship weight (OB Series: OB200)	139 Kg	139 Kg
Typical ship dimensions (shipped in 1 Red Metallic Case)	108 x 61 x 42 cm (42.52 x 24 x 16.54 inches)	

OB-400
STANDARD PACKAGE



Cod.	Description	Q.ty
RT	Modulo DUAL SYSTEM Main Power Drive DUAL SYSTEM Main Power Drive Module Módulo DUAL SYSTEM Main Power Drive	1



Cod.	Description	Q.ty
AV	Modulo DUAL SYSTEM Feed Drive DUAL SYSTEM Feed Drive Module Módulo DUAL SYSTEM Feed Drive	1



Cod.	Description	Q.ty
CAV	Pannello di Controllo Avanzamento Feed Control Panel Mando de Control de avance	1



Cod.	Description	Q.ty
CAV1	Cavo di alimentazione per CAV Feed Control Panel Cable Cable de alimentación para CAV	1



Cod.	Description	Q.ty
B27	Barra Porta Utensili ø40mm x 1000mm Boring Bar ø40mm x 1000mm Barra Porta Herramienta ø40mm x 1000	1



Cod.	Description	Q.ty
B16	Maucotools Locking System (MLS) Maucotools Locking System (MLS) Maucotools Locking System (MLS)	1



Cod.	Description	Q.ty
SM30	Kit Centraggio Rapido e Magnetico Magnetic Fast Centering Kit Kit de Centraje Rápido y Magnético	2



Cod.	Description	Q.ty
S34S-100	Staffa a ginocchio per Supporti Principali Universali Knee Bracket for Universal Main Supports Suportes a “L” para Universal Suportes Principales	6



Cod.	Description	Q.ty
S34	Supporti Principali Universali Universal Main Supports Universal Suportes Principales	2



Cod.	Description	Q.ty
C10	Chiave Speciale Supporto Principale Special Wrench for Main Supports Llave especial Suportes Principales	1

OB-400
STANDARD PACKAGE



Cod.	Description	Q.ty
C11	Kit Completo Chiavi di servizio Complete Kit of Wrenches and tools Kit Completo de llaves de servicios	1



Cod.	Description	Q.ty
C37	Cavo di alimentazione 220V Power Cable 220V Cable de alimentación 220V	2



Cod.	Description	Q.ty
P14A	Porta Utensile Ø16mm SMALL Tool Holder Ø16mm SMALL Porta Herramienta Ø16mm SMALL	1



Cod.	Description	Q.ty
P14B	Porta Utensile Ø16mm MEDIUM Tool Holder Ø16mm MEDIUM Porta Herramienta Ø16mm MEDIUM	1



Cod.	Description	Q.ty
P14C	Porta Utensile Ø16mm BIG Tool Holder Ø16mm BIG Porta Herramienta Ø16mm BIG	1



Cod.	Description	Q.ty
P15	Inserti per barenatura in metallo duro Coated Boring Inserts Herramientas en metal duro	10



Cod.	Description	Q.ty
P15A	Vite Torx per inserti Torx screw for boring inserts Tornillos Torx para herramientas	10



Cod.	Description	Q.ty
PC14	Chiave Torx per inserti Torx screw for boring inserts Llave Torx para herramientas	1



Cod.	Description	Q.ty
P14R180	Testa Rinforzo Porta Utensile ø250mm Tool Holder Head for ø250mm Refuerzo Porta Herramienta ø250mm	1



Cod.	Description	Q.ty
C31P	Comparatore completo di Aste Dial Gauge with brackets Comparado completo de suportes	1

OB-400
STANDARD PACKAGE



Cod.	Description	Q.ty
C29	Calibro speciale Special Bore Measuring Caliper Calibre especial	1



Cod.	Description	Q.ty
CSDS	Cavalletto Porta Alesatrice Portatile Machine Stand Stand para Barrenadora Portátil	1



Cod.	Description	Q.ty
CI1	Cassa metallica “Red Maucotools” Metallic case “Red Maucotools” Caja metálica “Rojo Maucotools”	1



Cod.	Description	Q.ty
APC400	Asta per comparatore fino a Ø400mm Bracket for Dial Gauge up to Ø400mm Suporte para comparador a Ø400mm	1



Cod.	Description	Q.ty
S34S-180	Staffa a ginocchio Supporti Ø400mm Knee Bracket Main Supports Ø400mm Suportes a “L” Ø400mm	6



Cod.	Description	Q.ty
P14R400	Testa Rinforzo Porta Utensile Ø400mm Tool Holder Head for Ø400mm Refuerzo Porta Herramienta Ø400mm	1

OB-400
OPTIONAL KITS



Cod.	Description	Q.ty
KB20	per lavorazioni da Ø22 mm (0.86”) for operations starting from Ø22 mm (0.86”) para operaciones desde Ø22 mm (0.86”)	1



Cod.	Description	Q.ty
KB600A	per barenatura Ø200 mm a Ø600 mm for Machining Ø200 mm up to Ø600 mm para Mecanizado Ø200mm up to Ø600 mm	1



Cod.	Description	Q.ty
KS	per Riporto di Saldatura fino a Ø250, Ø400 e Ø600 mm for Bore Welding up to Ø250, Ø400 e Ø600 mm para Aporte de Soldadura hasta Ø250, Ø400 e Ø600 mm	1

PBM Tube/Pipe Series





INTERNAL TUBE /PIPE BEVELING MACHINE

An Internal clamping pipe beveller solves several problems of finishing and irregularity produced by the pipe cutting tecniques. It generally utilizes a expandable mandrel which slides into the open end and an expanded by tightening of a draw nut. The tool has a predetermined angle ground.

Into it which when fed into the material produces a bevel of same angle. Different BEVELING tools for different BEVELING angle can be made available and even the bits can be custom made for any form tooling operation.

PBM
TUBE / PIPE BEVELING MACHINE

The all new range of **MAUCOTOOLS BEVELING machines** delivers maximum power and performance for fast, accurate weld preps on pipes and tubes ranging from 1/2" ID. up 24" OD. (12.7mm - 609.6mm) depending on all model and configuration.

Facing, **BEVELING** and **counter boring preparations** are possible on all machinable alloys including stainless steel, duplex, super duplex, inconel and other alloys. Seal and strength weld removal applications for heat exchangers and boilers are the primary focus of our machining technology. The rugged design features a self accepting torque system with self centering inner clamping which allows one skilled operator to make end preps quickly and safely, avoiding the slow hazardous process of grinding.

\The in-house manufactured pneumatic drives are resilient and powerful. The carefully selected quality bearings ensure great support to the drive shafts, right angle gear assembly and cutter head. This provides rigidity and unparalleled stability.



- **ACCURATE WELD PREPS**
- **PORTABLE POWERFUL**
- **SELF CENTERING**













FEATURES

- BEVELING FOR WINDOW WELDS
- TUBE AND PIPES BEVELING
- COUNTERBORING
- PIPE ENDS CUT-OFF
- END PREPPING OF HIGH CHROME TUBES
- END PREPPING OF SUPER DUPLEX PIPES
- TUBE OR TUBES FACING
- TUBE OR PIPE FLAT FACING
- HIGH SPEED BEVELING
- TUBE HIGH SPEED FACING
- J-PREPS
- TUBE SEAL WELD REMOVAL
- TUBE SHEET SEAL WELD REMOVAL

PBM-1625

TUBE / PIPE BEVELING MACHINE



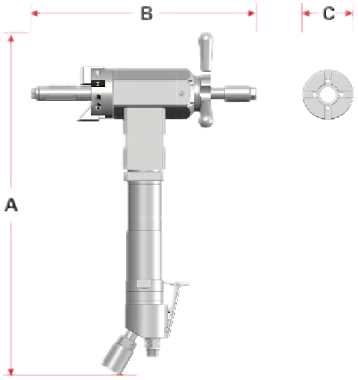
The PBM-1625 is a combination of power and range in a light and portable design. Rugged and balanced machine suitable for tubes and pipes in the **size range of 20mm to 42mm ID (3/4" - 1.5/8")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 20mm to 42mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

Easy to handle and quick to setup

The PBM-1625 is also available with reduced diameter central shafts, with 4 kit from 12.5 to 21 mm



Dimensions (mm)	
A	400/440
B	300
C	67

Jaw Set
22 - 42 mm



Drive		Pneumatic	Electric
Locking Range	mm (inch)	20 - 42 (3/4" - 1.5/8")	20 - 42 (3/4" - 1.5/8")
Idle Speed	rpm	235	250
Torque	Nm (lbf.ft)	29 (21.38)	45 (33.19)
Feeding Stroke	mm (inch)	23 (7/8")	23 (7/8")
Pneumatic Power	HP	0.583	-
Air Consumption	cfm	15 - 18	-
Air Pressure	bar (psi)	6 (90)	-
Electric Power	Watts	-	850
Voltage	V	-	110 / 220
Net Weight	kg (lb)	4.8 (10.58)	5.5 (12.12)
Shipping Weight	kg (lb)	-	-)

Standard Head
60mm (2.36")



Optional Heads



PBM-1625 Auto Lock

TUBE / PIPE BEVELING MACHINE

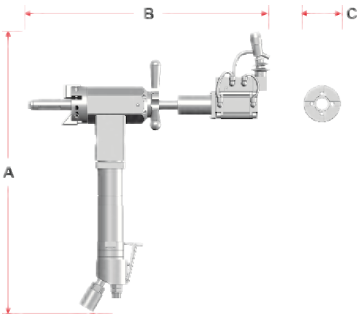


The automatic locking feature dramatically reduces production time. It produces fast accurate weld preps on any schedule and material of pipe effortlessly within its range. Suitable for tubes and pipes in the **size range of 20mm to 42mm ID (3/4" - 1.5/8")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 20mm to 42mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

- **AUTO LOCK - Which reduces the production cycle time.**
- **FAST AND ACCURATE - Fast and accurate weld preps.**



Dimensions (mm)	
A	490
B	410
C	67

Jaw Set
22 - 42 mm



Drive		Pneumatic
Locking Range	mm (inch)	20 - 42 (3/4" - 1.5/8")
Idle Speed	rpm	235
Torque	Nm (lbf.ft)	29 (21.38)
Feeding Stroke	mm (inch)	23 (7/8")
Pneumatic Power	HP	0.583
Air Consumption	cfm	15 - 18
Air Pressure	bar (psi)	6 (90)
Electric Power	Watts	-
Voltage	V	-
Net Weight	kg (lb)	4.8 (10.58)
Shipping Weight	kg (lb)	250 (550)

Standard Head
60mm (2.36")



Optional Heads



PBM-1625 AL Lever Feed

TUBE / PIPE BEVELING MACHINE

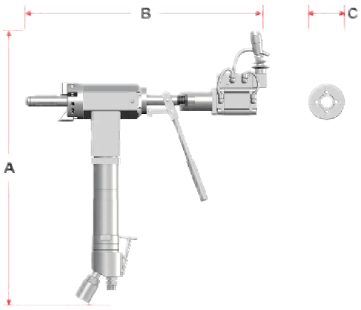


The PBM-1625 Auto Lock Lever Feed comes in 3 different - speed versions (100, 200 and 300 RPM) The lower speed machines develop more torque and are used on larger, thicker and harder tubes. Suitable for tubes and pipes in the **size range of 12.5 mm to 42mm ID (1/2" - 1.5/8")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 12.5mm to 42mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

Optional Reduced Shafts: The PBM-1625 Auto Lock Lever Feed is also available with reduced diameter central shafts allowing its use on smaller sized tubes with 4 kit from 12.5 to 21 mm



Dimensions (mm)	
A	400
B	300
C	67

Jaw Set
22 - 42 mm


Drive		Pneumatic
Locking Range	mm (inch)	12.5 - 42 (1/2" - 1.5/8")
Free Speed	rpm	120
Torque	Nm (lbf.ft)	38 (28)
Feeding Stroke	mm (inch)	23 (7/8")
Pneumatic Power	HP	0.83
Air Consumption	cfm	15 - 18
Air Pressure	bar (psi)	6 (90)
Body Size (W x H x L)	mm	50 x 400 x 300
Net Weight	kg (lb)	4.8 (10.58)

Standard Head
60mm (2.36")


Optional Heads


PBM-3000

TUBE / PIPE BEVELING MACHINE

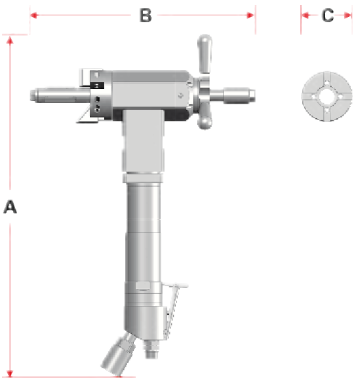


The PBM-3000 is the most popular and powerful machine used on boiler tubes. Allows quick interchangeability of locking jaws to suit wide range of diameters.Easy to handle and quick to setup. Suitable for tubes and pipes in the **size range of 28mm to 76mm ID (1.1/8" - 3")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 28mm to 76mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

- **Easy to handle and quick to setup**
- **The PBM-3000 is also available with optional reduced diameter central shafts, 20 to 30 mm**



Dimensions (mm)	
A	450/560
B	410
C	80

Jaw Set
28 - 76 mm

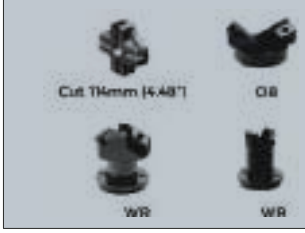


Drive		Pneumatic	Electric
Locking Range	mm (inch)	28 - 76 (1.1/8" - 3")	
Idle Speed	rpm	110	75
Torque	Nm (lbf.ft)	56 (41.30)	82 (60.48)
Feeding Stroke	mm (inch)	40 (1.9/16")	
Pneumatic Power	HP	0.70	-
Air Consumption	cfm	34 - 36	-
Air Pressure	bar (psi)	6 (90)	-
Electric Power	Watts	-	1000
Voltage	V	-	110 / 220
Net Weight	kg (lb)	8.0 (17.63)	9.0 (19.84)

Standard Head
80mm (3.14")



Optional Heads



PBM-3000 Auto Lock

TUBE / PIPE BEVELING MACHINE



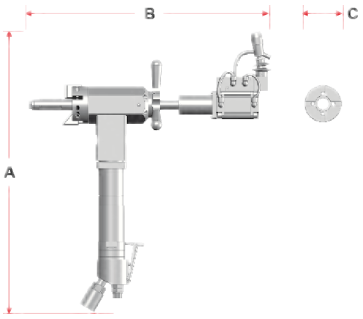
The PBM-3000 auto lock lever feed comes in 3 different - speed versions (100, 200 and 300 RPM) The lower speed machines develop more torque and are used on larger, thicker and harder tubes. Suitable for tubes and pipes in the **size range of 28mm to 76mm ID (1/2" - 1.5/8")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 28mm to 76mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

Easy to handle and quick to setup

The PBM-3000 is also available with optional reduced diameter central shafts, 20 to 30 mm



Dimensions (mm)	
A	570
B	520
C	80

Jaw Set

28 - 76 mm



Drive		Pneumatic
Locking Range	mm (inch)	28 - 76 (1.1/8" - 3")
Idle Speed	rpm	110
Torque	Nm (lbf.ft)	56 (41.30)
Feeding Stroke	mm (inch)	40 (1.9/16")
Pneumatic Power	HP	0.70
Air Consumption	cfm	34 - 36
Air Pressure	bar (psi)	6 (90)
Electric Power	Watts	-
Voltage	V	-
Net Weight	kg (lb)	8.0 (17.63)

Standard Head

80mm (3.14")



Optional Heads



PBM-4000

TUBE / PIPE BEVELING MACHINE



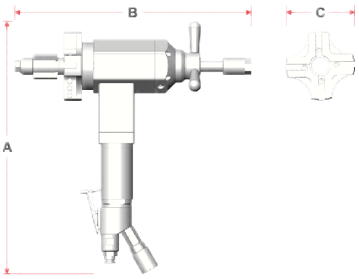
The PBM-4000 is a portable and powerful machine used on boiler tubes. Light in weight and easy in handling make it very useful, ergonomic design with high torque, it's suitable for tubes and pipes in the **size range of 23mm to 104mm ID (1" - 4")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 23mm to 104mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

Easy to handle and quick to setup

The PBM-4000 is also available with optional reduced diameter central shafts, 23 to 35 mm



Dimensions (mm)	
A	420/560
B	450
C	115

Jaw Set
23 - 104 mm

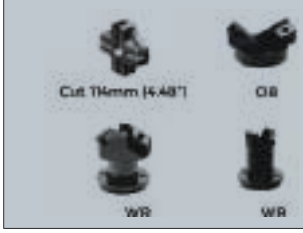


Drive		Pneumatic	Electric
Locking Range	mm (inch)	23 - 104 (1" - 4")	
Idle Speed	rpm	70	70
Torque	Nm (lbf.ft)	140 (103.25)	143 (105.47))
Feeding Stroke	mm (inch)	40 (1.9/16")	
Pneumatic Power	HP	1.33	-
Air Consumption	cfm	55 - 60	-
Air Pressure	bar (psi)	6 (90)	-
Electric Power	Watts	-	1000
Voltage	V	-	110 / 220
Net Weight	kg (lb)	9.0 (19.84)	10.0 (22.00)

Standard Head
114mm (4.148")



Optional Heads



PBM-4500

TUBE / PIPE BEVELING MACHINE



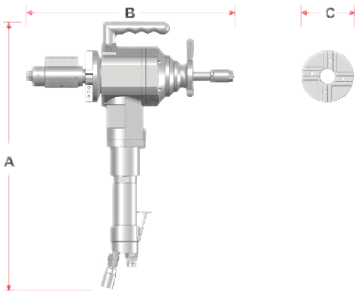
The PBM-4500 is the most popular and powerful machine used on boiler tubes. Allows quick interchangeability of locking jaws to suit wide range of diameters.Easy to handle and quick to setup. Suitable for tubes and pipes in the **size range of 39mm to 114mm ID (1.9/16" - 4.1/2")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 39mm to 114mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

Enanched electric engine version

The PBM-4500 is also available with optional reduced diameter central shafts, 23 to 35 mm



Dimensions (mm)	
A	630/525/670
B	450
C	126

Jaw Set
39 - 114 mm

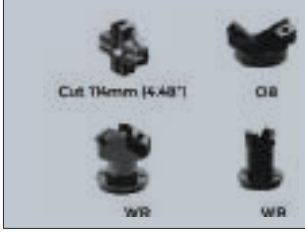


Drive		Pneumatic	Electric	Electric HD
Locking Range	mm (inch)	39 - 114 (1.9/16" - 4.1/2")		
Idle Speed	rpm	70	70	115
Torque	Nm (lbf.ft)	180 (132.76)	245 (180.70)	265 (195.45)
Feeding Stroke	mm (inch)	40.5 (1.9/16")	40.5 (1.9/16")	40 (1.9/16")
Pneumatic Power	HP	1.33	-	
Air Consumption	cfm	50 - 60	-	
Air Pressure	bar (psi)	6 (90)	-	
Electric Power	Watts	-	1020	1800
Voltage	V	-	110 / 220	110 / 220
Net Weight	kg (lb)	17.0 (37.47)	18.0 (39.70)	27.0 (59.52)

Standard Head
114mm (4.148")



Optional Heads



PBM-8000

TUBE / PIPE BEVELING MACHINE

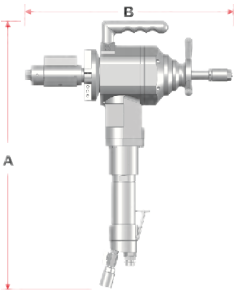


The PBM-8000 is a portable and powerful machine used on boiler tubes. Light in weight and easy in handling make it very useful, ergonomic design with high torque, it's suitable for tubes and pipes in the **size range of 49mm ID to 203mm ID (2" - 8")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 49mm to 203mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

- **Easy to handle and quick to setup**
- **50 mm (2") shaft, assures rigidity when machining heavywall pipe.**





Dimensions (mm)	
A	660/700/670
B	530
C	220

Jaw Set
49 - 203 mm



Drive		Pneumatic	Electric	Electric HD
Locking Range	mm (inch)	49 - 203 (2" - 8")		
Idle Speed	rpm	52	34	40
Torque	Nm (lbf.ft)	250 (184.40)	264 (194.70)	295 (217.60)
Feeding Stroke	mm (inch)	40.5 (1.9/16")	40.5 (1.9/16")	40.5 (1.9/16")
Pneumatic Power	HP	1.80	-	
Air Consumption	cfm	60 - 65	-	
Air Pressure	bar (psi)	6 (90)	-	
Electric Power	Watts	-	1100	1800
Voltage	V	-	110 / 220	110 / 220
Net Weight	kg (lb)	21 (46.30)	22 (48.50)	30 (66.10)

Standard Head
203mm (8")



Optional Heads



PBM-12000

TUBE / PIPE BEVELING MACHINE



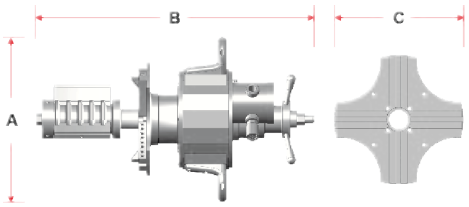
The PBM-12000 is the most popular and powerful machine used on boiler tubes. Allows quick interchangeability of locking jaws to suit wide range of diameters.Easy to handle and quick to setup. Suitable for tubes and pipes in the **size range of 100mm ID to 306mm ID (4" - 12")**.

FEATURES

- **LIGHT WEIGHT BODY** - High pressure cast aluminum body allows continuous operation under the harshest conditions.
- **ROBUST TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **HIGH STRENGTH FEED SHAFT** - Precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **TOOL STEEL JAW** - Wedge style hardened tool steel jaws for maximum life and secure positioning. Available within the locking range of 100mm to 306mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.
- **GEAR BOX** - Highly accurately machined for positive power transmission with less noise and no wear and tear.
- **BROACHED BUSH** - Through hardened broached bush restricts the angular movement of the machine.
- **PNEUMATIC OR ELECTRIC DRIVE** - High quality pneumatic or electric drive for reliable service and long working life.

The innovative, 6 points jaws, effectively lock the machine within the pipe, allowing safe, efficient and smooth processing of the tube end.

100 mm (4") shaft, assures rigidity when machining heavy wall pipe.



Dimensions (mm)	
A	325
B	700
C	310

Jaw Set
100 - 306 mm


Drive		Pneumatic	Electric
Locking Range	mm (inch)	100 - 306 (4" - 12")	
Idle Speed	rpm	35	31
Torque	Nm (lbf.ft)	180 (132.76)	230 (169.63)
Feeding Stroke	mm (inch)	50 (1.15/16")	50 (1.15/16")
Pneumatic Power	HP	1.88	-
Air Consumption	cfm	90	-
Air Pressure	bar (psi)	6.2 (90)	-
Electric Power	Watts	-	2000
Voltage	V	-	230
Net Weight	kg (lb)	43 (94.80)	44 (97.00)

PBM 12000 Holders



PBM-18000

TUBE / PIPE BEVELING MACHINE

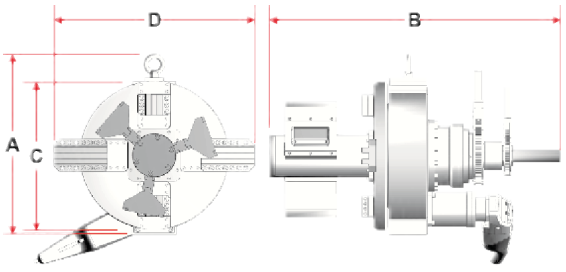


The PBM-18000 is a combination of power and range in a light and portable design. Rugged and balanced machine suitable for tubes and pipes in the **size range of 102mm ID to 457mm ID (4” - 18”)**

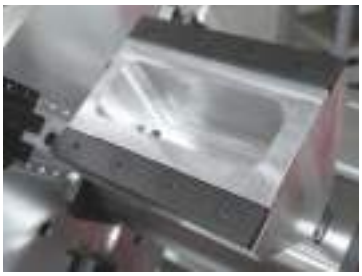
FEATURES

- **BODY** - Light weight, high pressure cast aluminum body allows continuous operation under the harshest conditions.
- **TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **FEED SHAFT** - High strength, precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **JAW** - Wedge style hardened tool steel mounted jaws for maximum life and secure positioning. Available within the locking range of 102mm to 457mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.





- **6 Points Locking Jaws**
- **Expandable Holders**





Dimensions (mm)	
A	476
B	686
C	385
D	508

Drive		Pneumatic	Electric
Locking Range	mm (inch)	102 - 457 (4” - 18”)	
Idle Speed	rpm	13	15
Torque	Nm (lbf.ft)	1266 (933)	1182 (871)
Feeding Stroke	mm (inch)	60 (2.36”)	60 (2.36”)
Pneumatic Power	HP	2.6	-
Air Consumption	cfm	85	-
Air Pressure	bar (psi)	6.2 (90)	-
Electric Power	Watts	-	2000
Voltage	V	-	230
Net Weight	kg (lb)	90 (198)	90 (198)

PBM 18000 Holders



PBM-24000

TUBE / PIPE BEVELING MACHINE

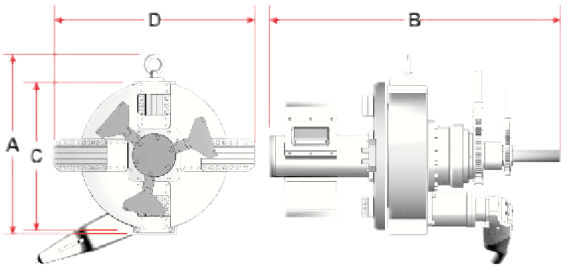


The PBM-24000 is a combination of power and range in a light and portable design. Rugged and balanced machine suitable for tubes and pipes in the **size range of 180mm to 609mm (7"-24")** in internal diameter.

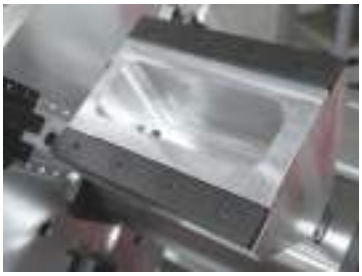


FEATURES

- **BODY** - Light weight, high pressure cast aluminum body allows continuous operation under the harshest conditions.
- **TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **FEED SHAFT** - High strength, precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **JAW** - Wedge style hardened tool steel mounted jaws for maximum life and secure positioning. Available within the locking range of 180mm to 609mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.



- **6 Points Locking Jaws**
- **Expandable Holders**





Dimensions (mm)	
A	600
B	975
C	500
D	674

Drive		Pneumatic	Electric
Locking Range	mm (inch)	180-609 (7"-24")	180-609 (7"-24")
Idle Speed	rpm	10	13
Torque	Nm (lbf.ft)	3376 (2490)	1400 (1032)
Feeding Stroke	mm (inch)	60 (2.36")	60 (2.36")
Pneumatic Power	HP	3.5	-
Air Consumption	cfm	95	-
Air Pressure	bar (psi)	6.2 (90)	-
Electric Power	Watts	-	2600
Voltage	V	-	230
Net Weight	kg (lb)	250 (550)	250 (550)

PBM 24000 Holders



PFM-4000

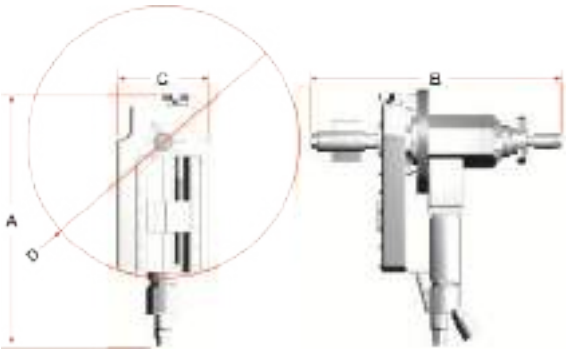
FLANGE / PIPE FACING MACHINE
FLANGE FACER



It is quick and simple to re-machine damaged flange faced and raised faced ID mount Flange facing machine. This design is based on our PBM-4000 which is converted to Flange facer using special attachment. Suitable for tubes and pipes in the **size range of 35mm ID to 356mm ID (1.38" - 14")**.

FEATURES

- **BODY** - Light weight, high pressure cast aluminum body allows continuous operation under the harshest conditions.
- **TOOL HOLDER** - Holds the cutting tool bits tightly at the desired position. Its robust construction and support to the cutting bits ensure vibration free performance.
- **FEED SHAFT** - High strength, precise machined and hardened feed shaft provides a strong support to the assembly which slides over it.
- **JAW** - Wedge style hardened tool steel mounted jaws for maximum life and secure positioning. Available within the locking range of 35mm to 104mm.
- **CENTRAL MANDREL** - Expanding mandrel allows fast, accurate and self-centering alignment with torque-free operation for operator safety.





Dimensions (mm)	
A	470/610
B	450
C	160
D	470



- **PFM-4000 can be rotated under any angle.**
- **Internal Locking System for sefe and more accuracy**

Drive		Pneumatic	Electric
Application Range	mm (inch)	35 - 356 (1.38" - 14")	
Idle Speed	rpm	70	75
Torque Speed Rate/Pin	mm (inch)	0.16 (0.0062)	0.16 (0.0062)
Feeding Stroke	mm (inch)	17 (0.67")	17 (0.67")
Pneumatic Power	HP	0.83	-
Air Consumption	cfm	55	-
Air Pressure	bar (psi)	6.2 (90)	-
Electric Power	Watts	-	1000
Voltage	V	-	110 / 220
Net Weight	kg (lb)	14.2 (31.3)	15.3 (33.7)

PBM
DRIVE UNIT & CUTTING BITS

DRIVE UNIT

PNEUMATIC, ELECTRIC AND HYDRAULIC

To meet the varying needs of job-sites worldwide, MAUCOTOOLS Clamshell Motors and Drives are available in a range of configurations. Drive motors are available in hydraulic, pneumatic and electric configurations. Motor mounting flanges are available in straight back (in-line), right angle and front drive reversible options.

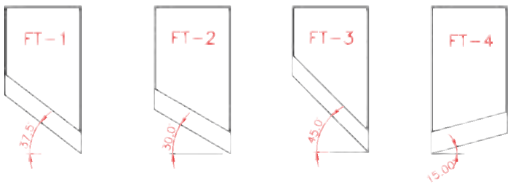




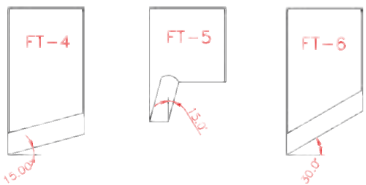


CUTTING BITS

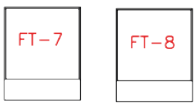
External Bevelling



Internal Bevelling



Facing



Weld Removal



PBM

OPTIONAL SPECIALIZED CUTTER HEADS

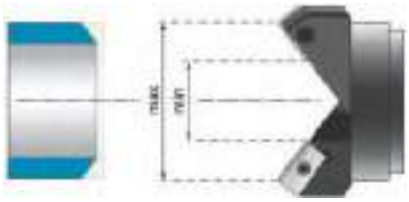
Outside Bevel Miling Head (POB)

BIT : HSS 8% Cobalt

DEGREE : 37,5



Custom, precisely designed head. Dedicated for the outside BEVELING of both tubes and pipes. Sized per tube or pipe diameter and angle of required weld bevel. The heads are precisely engineered so that the inserts cannot damage the shaft or locking jaws.



Head NR	Tube Capacity			Range (inches)		Range (mm)		Insert	No. of Inserts	Shaft
	Inch	mm	BWG	min	max	min	max			
POB-190	0,750	19,05	14-23	0,5826	0,866	14,80	22,00	CS	2	901 MM#151 12,4 mm
POB-222	0,875	22,23	12-23	0,654	1,004	16,60	25,50	CS	2	905 MM#151 13,9 mm
POB-254	1,000	25,40	11-23	0,764	1,122	19,40	28,50	CS	2	909 MM#151 16,9 mm
POB-285	1,125	28,58	11-23	0,890	1,240	22,60	31,50	CS	2	915 MM#151 20 mm
POB-317	1,250	31,75	8-23	0,917	1,732	23,30	44,00	CDI	2	STD shaft 20 mm or 22
POB-381	1,500	38,10	6-23	0,984	1,850	25,00	47,00	CDI	2	STD shaft 20 mm or 23
POB-444	1,750	44,45	6-23	1,024	1,890	26,00	48,00	CDI	2	STD shaft 20 mm or 24
POB-508	2,000	50,80	6-23	1,181	2,047	30,00	52,00	CDI	2	STD shaft 20 mm or 25
POB-571	2,250	57,15	6-23	1,417	2,283	36,00	58,00	CDI	2	STD shaft 20 mm or 26
POB-603	2,375	60,33	6-23	1,535	2,402	39,00	61,00	CDI	2	STD shaft 20 mm or 27
POB-635	2,500	63,50	6-23	1,654	2,559	42,00	65,00	CDI	2	STD shaft 20 mm or 28
POB-762	3,000	76,20	6-23	2,165	3,031	55,00	77,00	CDI	2	STD shaft 20 mm or 29
POB-889	3,500	88,90	6-23	2,677	3,543	68,00	90,00	CDI	2	STD shaft 20 mm or 30
POB-900	4,000	101,60	6-23	3,150	4,016	80,00	102,00	CDI	2	STD shaft 20 mm or 31

Strength Weld Removal (PSTWR)

BIT : HSS 8% Cobalt

DEGREE : 37,5



Custom designed head dedicated for strength weld removal. The heads are sized per tube diameter and are precisely engineered so that the inserts cannot damage the shaft or locking jaws. Simple, trouble-free set up makes these heads very advantageous.



PBM

OPTIONAL SPECIALIZED CUTTER HEADS

Head NR	Tube Capacity			Range (inches)		Range (mm)		Insert	No. of Inserts	Shaft
	Inch	mm	BWG	min	max	min	max			
PSTWR-190	0,750	19,05	12-23	0,530	1,460	13,50	37,00	WRI	2	901 MM#151 12,4 mm
PSTWR-222	0,875	22,23	12-23	0,650	1,496	16,50	38,00	WRI	2	905 MM#151 13,9 mm
PSTWR-254	1,000	25,40	10-23	0,732	1,654	18,60	42,00	WRI	2	909 MM#151 16,9 mm
PSTWR-285	1,125	28,58	10-23	0,858	1,772	21,80	45,00	WRI	2	915 MM#151 20 mm
PSTWR-317	1,250	31,75	9-23	0,945	1,850	24,00	47,00	WRI	2	STD shaft 20 mm or 22
PSTWR-381	1,500	38,10	8-23	1,142	2,047	29,00	52,00	WRI	2	STD shaft 20 mm or 23
PSTWR-444	1,750	44,45	8-23	1,417	2,244	36,00	57,00	CDI	2	STD shaft 20 mm or 24
PSTWR-508	2,000	50,80	6-23	1,575	2,480	40,00	63,00	CDI	2	STD shaft 20 mm or 25
PSTWR-571	2,250	57,15	6-23	1,811	2,717	46,00	69,00	CDI	2	STD shaft 20 mm or 26
PSTWR-603	2,375	60,33	6-23	1,949	2,854	49,50	72,50	CDI	2	STD shaft 20 mm or 27
PSTWR-635	2,500	63,50	6-23	2,067	2,972	52,50	75,50	CDI	2	STD shaft 20 mm or 28
PSTWR-762	3,000	76,20	6-23	2,579	3,484	65,50	88,50	CDI	2	STD shaft 20 mm or 29
PSTWR-889	3,500	88,90	6-23	3,071	3,976	78,00	101,00	CDI	2	STD shaft 20 mm or 30
PSTWR-900	4,000	101,60	6-23	3,563	4,469	90,50	113,50	CDI	2	STD shaft 20 mm or 31

Tube Facing Miling Head (PSWR)

BIT : HSS 8% Cobalt

DEGREE : 37,5



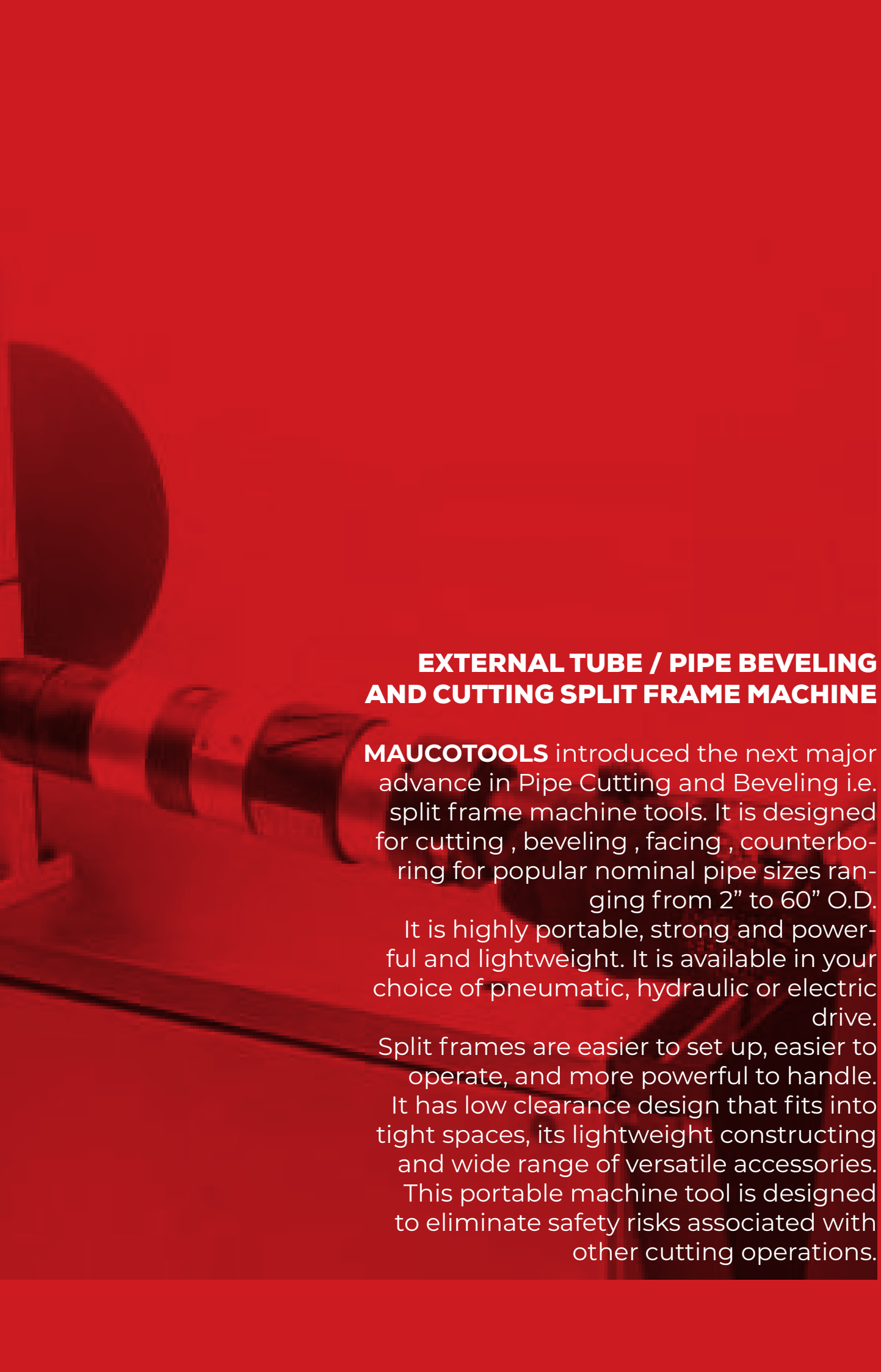
A seal weld removal head over tube circumference prior to re-welding the damaged joint without removing the tube.



Head NR	Tube Capacity		Cutter Range				Insert	No. of Inserts	Shaft
	Inch	mm	min (inch)	max (inch)	min (mm)	max (mm)			
PSWR-190	0,750	19,05	0,750	1,222	19,05	31,05	CSWR	2	901 MM#151 12,4 mm
PSWR-222	0,875	22,23	0,874	1,346	22,20	34,20	CSWR	2	905 MM#151 13,9 mm
PSWR-254	1,000	25,40	1,000	1,472	25,40	37,40	CSWR	2	909 MM#151 16,9 mm
PSWR-285	1,125	28,58	1,124	1,596	28,55	40,55	CSWR	2	915 MM#151 20 mm
PSWR-317	1,250	31,75	1,250	1,722	31,75	43,75	CSWR	2	915 MM#151 20 mm
PSWR-381	1,500	38,10	1,500	1,969	38,10	50,01	CSWR	2	915 MM#151 20 mm

SFM Pipe Cold Cutting Series





EXTERNAL TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE

MAUCOTOOLS introduced the next major advance in Pipe Cutting and Beveling i.e. split frame machine tools. It is designed for cutting , beveling , facing , counterboring for popular nominal pipe sizes ranging from 2” to 60” O.D.

It is highly portable, strong and powerful and lightweight. It is available in your choice of pneumatic, hydraulic or electric drive.

Split frames are easier to set up, easier to operate, and more powerful to handle.

It has low clearance design that fits into tight spaces, its lightweight constructing and wide range of versatile accessories.

This portable machine tool is designed to eliminate safety risks associated with other cutting operations.

SFM

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE

For super heavy applications with super heavy wall and/or hard alloy pipes. We manufacture the steel ring, which mounts on the rear of the aluminium ring. Also equipped with 4 steel location stabilizers to enhance the range and rigidity of the machine for those heavy duty applications. The dramatically increases the axial stability and rigidity when cutting and/or beveling. This solution can help to save time and expense for clam-shells completely made out of steel – ask your representative for more details.

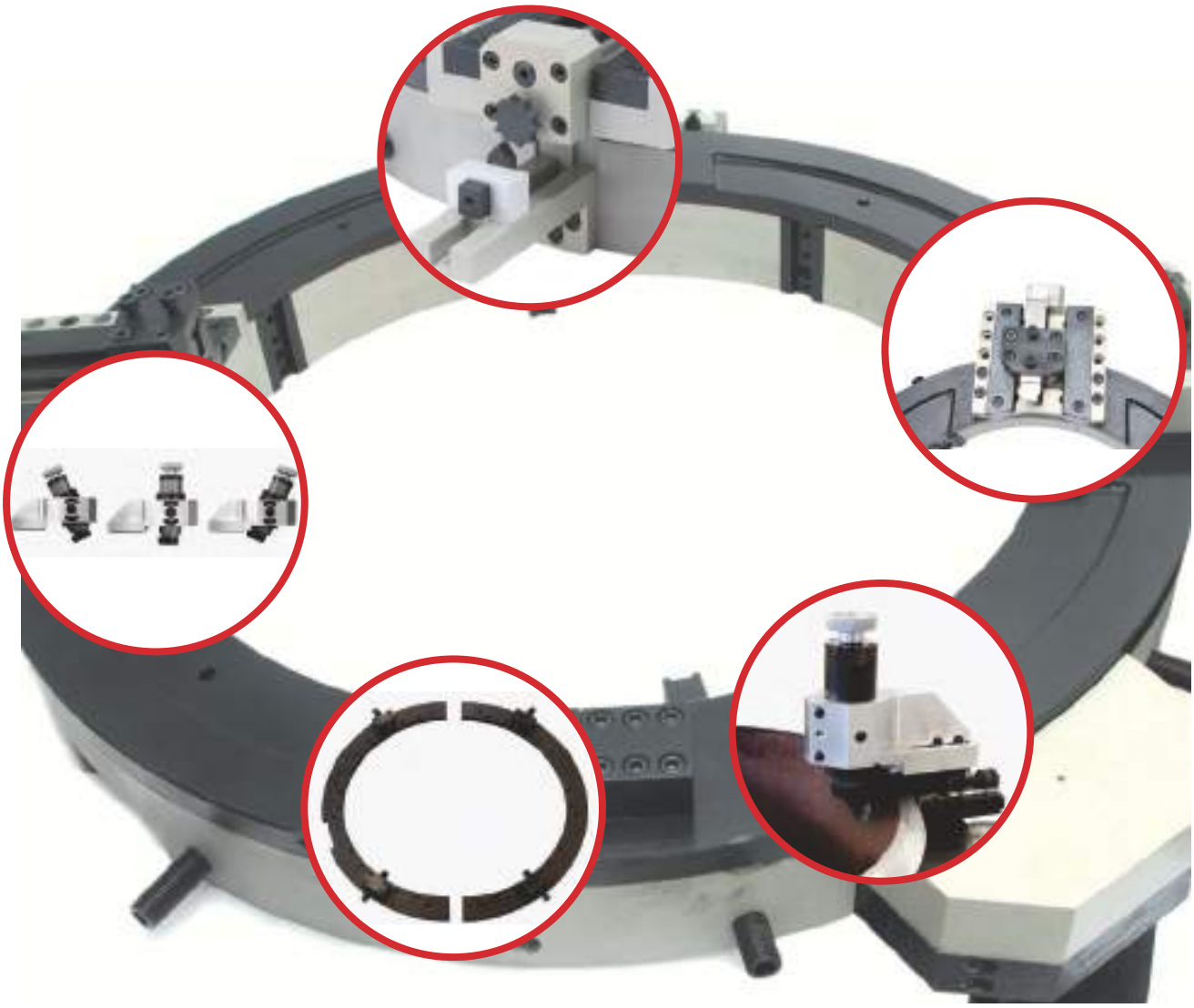


FEATURES

- LOW CLEARANCE
- ELIMINATE SAFETY
- COUNTER BORING
- LEVER TYPE TRIPPER MODULE
- SWIVEL HEAD



Focus On



SFM-26

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



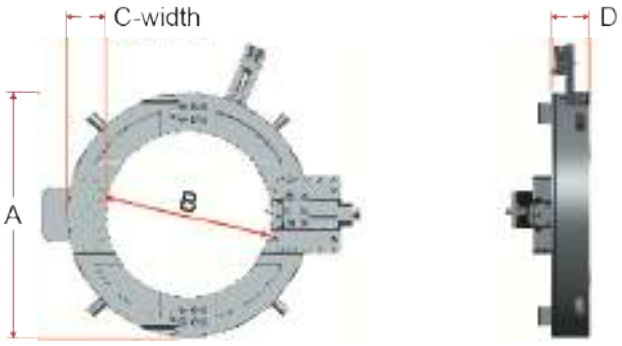




Externally mounted SFM-26 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 50.8mm OD to 152.4mm OD (2" - 6")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.

FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.

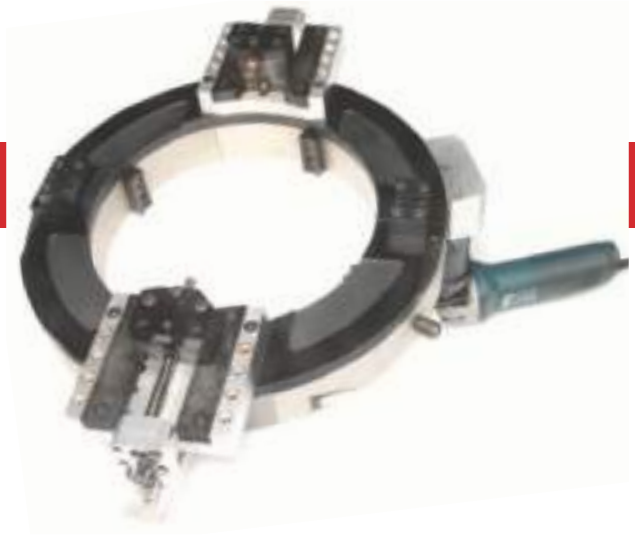


Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	304	304	304
B	178	178	178
C	64	64	64
D	78	78	78

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	50.8 - 152.4 (2" - 6")		
Idle Speed	rpm	34	37	35
Power	HP	4	1.5	5 (3 Phase)
Air Consumption	cfm	95	-	
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	1100	
Voltage	V	-	230	415
Net Weight	kg (lb)	26.4 (58.2)	26.4 (58.2)	26.4 (58.2)

SFM-612

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



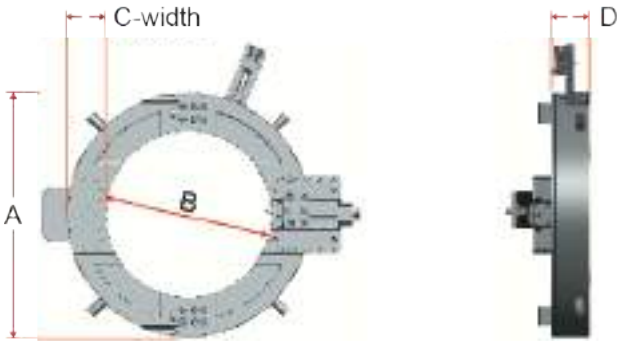
Externally mounted SFM-612 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 152.4mm OD to 304.8mm OD (6" - 12")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.



FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.





Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	490	490	490
B	334	334	334
C	78	78	78
D	66	66	66

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	152.4 - 304.8 (6" - 12")		
Idle Speed	rpm	22	24	24
Power	HP	4	1.5	5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	1100	-
Voltage	V	-	230	415
Net Weight	kg (lb)	41.2 (90.83)	41.2 (90.83)	41.2 (90.83)

SFM-1218

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



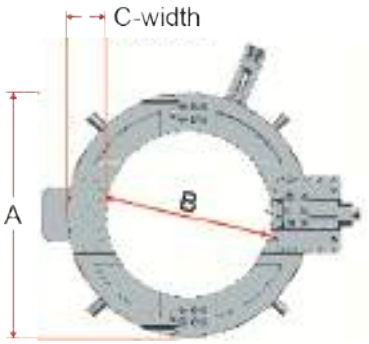




Externally mounted SFM-1218 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 304.8mm OD to 457.2mm OD (12" - 18")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.

FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.





Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	632	632	632
B	470	470	470
C	82	82	82
D	77	77	77

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	304.8- 457.2 (12" - 18")		
Idle Speed	rpm	12	15	20
Power	HP	4	2.7	5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2000	-
Voltage	V	-	230	415
Net Weight	kg (lb)	56.4 (124.34)	56.4 (124.34)	56.4 (124.34)

SFM-1824

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



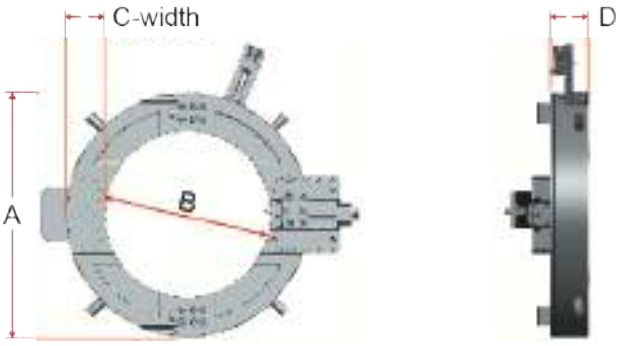
Externally mounted SFM-1824 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 457.2mm OD to 609.6mm OD (18" - 24")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.



FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.





Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	750	750	750
B	623	623	623
C	63.5	63.5	63.5
D	76	76	76

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	457.2- 609.6 (18" - 24")		
Idle Speed	rpm	12	15	17
Power	HP	4	3.5	5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	57 (125.66)	57 (125.66)	57 (125.66)

SFM-2432

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



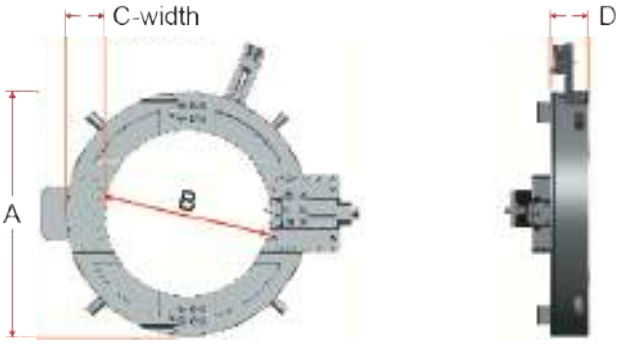
Externally mounted SFM-2432 is a split frame, clamshell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 609.6mm OD to 812.8mm OD (24" - 32").** It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.



FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.





Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	969	969	969
B	838	838	838
C	65	65	65
D	113	113	113

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	609.6 - 812.8 (24"-32")		
Idle Speed	rpm	12	13	11
Power	HP	4.2	3.5	5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	87 (192)	87 (192)	87 (192)

SFM-2836

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



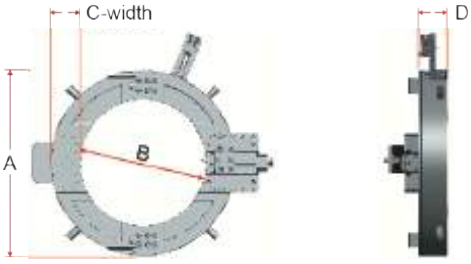




Externally mounted SFM-2836 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 711.2mm OD to 914.4mm OD (28" - 36")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.

FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.



Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	1070	1070	1070
B	940	940	940
C	66	66	66
D	108	108	108

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	711.2 - 914.4 (28" - 36")		
Idle Speed	rpm	10	11	10
Power	HP	4.2	3.5	7.5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	115 (253.5)		

SFM-3442

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



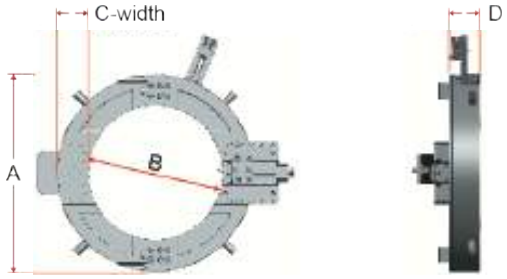
Externally mounted SFM-3442 is a split frame, clamshell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 863.6mm OD to 1066.8mm OD (34" - 42")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.



FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.



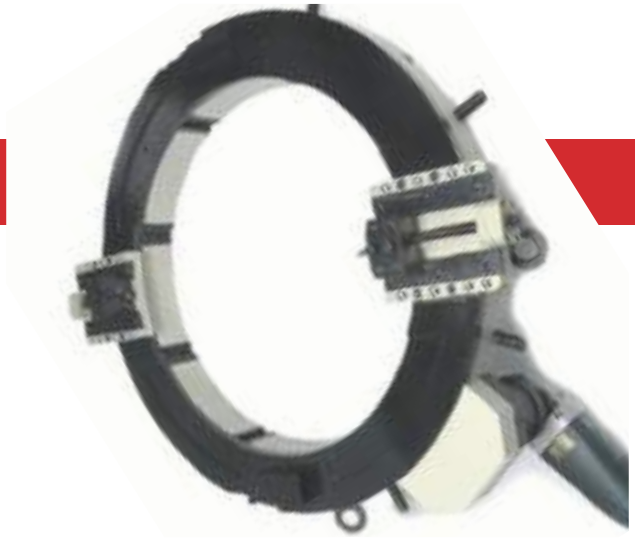


Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	1223	1223	1223
B	1092	1092	1092
C	66	66	66
D	114	114	114

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	863.6 - 1066.8 (34" - 42")		
Idle Speed	rpm	10	9	9
Power	HP	4.2	3.5	7.5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	137.7 (303.57)		

SFM-4048

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



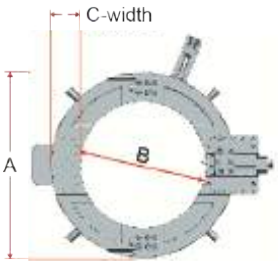
Externally mounted SFM-4048 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 1016.0mm OD to 1219.2mm OD (40" - 48")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.



FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.







Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	1382	1382	1382
B	1251	1251	1251
C	66	66	66
D	114	114	114

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	1016 - 1219.2 (40" - 48")		
Idle Speed	rpm	9	7	7
Power	HP	4.2	3.5	7.5 (3 Phase)
Air Consumption	cfm	95	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	157 (346.12)		

SFM-4854

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE



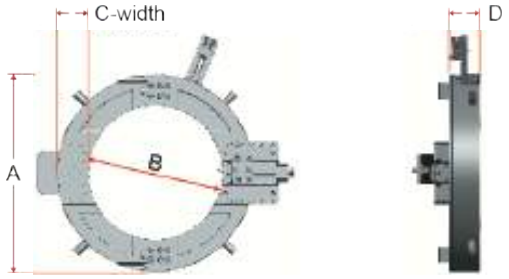
Externally mounted SFM-4854 is a split frame, clamshell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 1219.2mm OD to 1371.6mm OD (48" - 54")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.

FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.







Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	1637	1637	1637
B	1397	1397	1397
C	120	120	120
D	158	158	158

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	1219.2 - 1371.6 (48" - 54")		
Idle Speed	rpm	8	7	7
Power	HP	4.2	3.5	7.5 (3 Phase)
Air Consumption	cfm	100/110	-	-
Air/Oil Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	466 (1027)		

SFM-5460

TUBE / PIPE BEVELING AND CUTTING SPLIT FRAME MACHINE

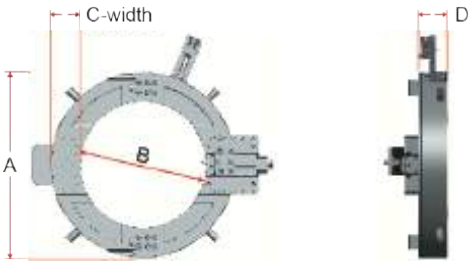


Externally mounted SFM-5460 is a split frame, clam-shell type light and portable design. A rugged and slim machine suitable for tubes and pipes in the **size range of 1371.6mm OD to 1524mm OD (54" - 60")**. It is a new generation heavy duty facing, beveling and cutting machine designed for the Piping Industry.

FEATURES

- **SPLIT FRAME MACHINE** - It consists of a split mobile ring and fixed ring. Light weight, slim design.
- **JAWS** - Wedge style hardened tool steel jaws for maximum life and secure positioning. 8 points of contact locking system. It provides stability and avoids vibration.
- **TRIP ASSEMBLY** - It gives an auto feed to the tool bit assembly. Trip can be engaged or disengaged depending on feed required.
- **TOOL SLIDE** - Holds the cutting tool bit assembly tightly at the desired position for the cutting and BEVELING operation. Its robust construction and support to the cutting bits ensures vibration free performance.
- **PLANETARY GEAR BOX** - It gives a high speed reduction with increasing torque.





Dimensions (mm)	Pneumatic	Electric	Hydraulic
A	1794	1794	1794
B	1550	1550	1550
C	122	122	122
D	159	159	159

Drive		Pneumatic	Electric	Hydraulic
Locking Range	mm (inch)	1371.6 - 1524 (54" - 60")		
Idle Speed	rpm	7	7	7
Power	HP	4.2	3.5	7.5 (3 Phase)
Air Consumption	cfm	100/110	-	-
Air Pressure	bar (psi)	6.2 (90)	-	100
Electric Power	Watts	-	2600	-
Voltage	V	-	230	415
Net Weight	kg (lb)	515 (1135)		

SFM
DRIVE UNIT, BITS & HOLDERS

DRIVE UNIT

PNEUMATIC, ELECTRIC AND HYDRAULIC

To meet the varying needs of job-sites worldwide, MAUCOTOOLS Clamshell Motors and Drives are available in a range of configurations. Drive motors are available in hydraulic, pneumatic and electric configurations. Motor mounting flanges are available in straight back (in-line), right angle and front drive reversible options.







CLAMSHELLS BITS AND HOLDERS

FORM, INSERT, CARBIDE





Form Style (HSS)

Insert Style (HSS-CO & Carbide)



Carbide Insert for variable angles Bavelling and Compound Beveling

PSG

INDUSTRIAL INTERNACIONAL

MAUCOTOOLS

World Headquarters
Località Serramonda Z.I.
88044 Marcellinara (CZ)
Italy