



MAUCOTOOLS PATENTED **DUAL SYSTEM**

The **MAUCOTOOLS DUAL SYSTEM** is a groundbreaking solution for on-site machining, designed with patented modularity. It features two lightweight modules, each weighing 17kg, allowing for easy transport and operation without heavy lifting equipment.

Both the **Rotation and Feed Modules** have independent control panels, enabling simultaneous machining tasks like facing and welding. This system offers unparalleled efficiency, precision, and safety, with built-in protection systems for motor and error prevention, making it ideal for professionals handling complex projects in the field.

KEY FEATURES & ADVANTAGES

Truly Portable Design: Unlike conventional “portable” machines that are merely transportable, the MAUCOTOOLS DUAL SYSTEM divides its weight between two modules, each weighing approximately 17kg. This makes the machine **genuinely portable and manageable by a single operator** without the need for lifting tools.

Modular construction: The DUAL SYSTEM is composed of two separate modules:

Rotation Module: Responsible for the rotational motion during operations like line boring and facing.

Feed Module: Generates feed motion, essential for precision tasks like overlay welding.

Simultaneous Dual Operation: Thanks to independent control panels, the Rotation and Feed Modules can be operated concurrently, enabling simultaneous machining tasks—such as performing a facing operation on one workpiece while executing overlay welding on another.

Anti-Vibration Robustness: Both modules, whether used together or separately, ensure structural stability, minimizing vibrations and maintaining high precision during all machining tasks.

DUAL SYSTEM Feed Module



DUAL SYSTEM Rotation Module



MAUCOTOOLS S.R.L

Località Serramonda | Z.I. | 88044 | Marcellinara (CZ) |
Italy +39 0961 021836 | maucotools@maucotools.com





PORTABLE LINE BORING MACHINE **LBM400 DUAL SYSTEM**

WORKING AND OPERATING RANGES

| | | |
|-----------------------------------|---|------------------------------------|
| Boring Bar | Ø | 40mm (1.57') |
| Internal line boring | Ø | 42mm - 400mm (1.65' - 15.75') |
| Internal Automatic Bore Welding | Ø | 32mm - 400mm (1.28' - 15.75') |
| External Automatic Bore Welding | Ø | 22mm - 400mm (0.88' - 15.75') |
| Drilling | Ø | 10mm - 45mm (0.39' - 1.77') |
| Tapping | Ø | 10mm - 45mm (0.39' - 1.77') |
| Flange Facing and Seeger Circlips | Ø | Optional with FK (Facing Kit) |
| External Turning | Ø | Optional with FKSS (Surfacing Kit) |

ADVANTAGES

Patented DUAL SYSTEM: Two modules for independent task (welding and facing)

Double motorization: Total control of rotation and feed

Motor protection (MMPS): MAUCOTOOLS Motor Protection System (MMPS)

Modular system: Compatible with all Optional Kits to increase machining diameter up to 600mm

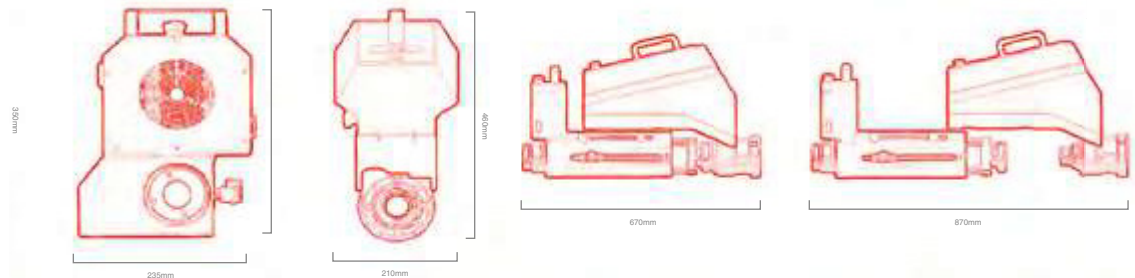
Cost-effective: No need to purchase a new machine, optimizing your investment

Time and money savings: One setups, quick centering kit with magnetic system

Robust and precise: Ø16mm tool holder, connecting tool holder bars (Ø20, Ø40mm and Ø60mm)

Safety: MAUCOTOOLS Error Detection System (MeDS) and MMPS

Advanced features: Synchronized rotation and feed, unlimited longitudinal stroke, fast electronic feed



DUAL SYSTEM Feed Module

| | |
|-----------------|--|
| Brushless motor | YES |
| Phases | 1 |
| Motor type | DC |
| Power | 125W |
| Speed | 0-300 RPM |
| Feed | Electromechanical (Automatic and Manual) |
| MeDS | YES |
| MMPS | YES |

DUAL SYSTEM Rotation Module

| 2 types of motors | Electric with 2 speeds | Hydraulic |
|-------------------|--|----------------------------|
| Speed | Speed I: 54-126 RPM Speed II: 180-423 RPM | Min. 9 RPM Max. 423 RPM |
| Power | 1800W - 220V-230V (110V Available) | 5.5kW |














































MAUCOTOOLS S.R.L

Località Serramonda | Z.I. | 88044 | Marcellinara (CZ) |
Italy +39 0961 021836 | maucotools@maucotools.com

STANDARD PACK

LBM400 DUAL SYSTEM



| | | | | | | | |
|---|--|---|--|--|---|---|---|
| x1  cod. RT DUAL SYSTEM Rotation Module | x1  cod. AV DUAL SYSTEM Feed Module | x1  cod. CAV Control Panel for Feed Module | x1  cod. CAV1 Connection cable for Feed Module | x2  cod. C37 Power supply cable | x2  cod. B27 Boring bar ø40mm (1.57") L=1000mm (39.37") | x2  cod. B27G Internal Boring bar Coupling | x1  cod. ECM Morse Taper Ejecting Drift |
| x1  cod. CM1 Morse Cone Adapter for drilling | x1  cod. B16 MAUCOTOOLS Locking System (MLS) | x1  cod. A32 Bearing Carrier for Feed Module | x4  cod. S34 Universal Support | x1  cod. C10 Special Wrench for Universal Support | x12  cod. S34S-60 Bracket with Spacer for Support L=60mm (2.36") | x12  cod. SS100 Bracket for Universal support L=100mm (3.94") | x12  cod. SS180 Bracket for Universal support L=180mm (7.08") |
| x2  cod. SM30 Magnetic Fast-Centering kit | x1  cod. C29 Special Caliper for Internal Diameter Measurement | x1  cod. C31M Dial Gauge with Magnetic Holder | x1  cod. P16L40-06 Toolholder ø16mm (0.63") L=40mm (1.57") | x1  cod. P16L60-06 Toolholder ø16mm (0.63") L=60mm (2.36") | x1  cod. P16L100-06 Toolholder ø16mm (0.63") L=100mm (3.94") | x10  cod. P06 Carbide Insert for Toolholder | x10  cod. P15A Torx Screw for Toolholder |
| x1  cod. PC14 Torx Wrench for Toolholder | x1  cod. GR4 Cutting Depth Adjustment Hook | x1  cod. PC15 Toolholder Extension ø90mm (3.54") | x1  cod. PUC115 Toolholder Extension L=115mm (4.53") | x1  cod. PUC250 Toolholder Extension L=140mm (5.51") | x1  cod. PUL400 Toolholder Extension L=320mm (12.59") | | |
| x1  cod. T17 Telescopic Welding Torch Shaft L=1700mm EUR Cable | x1  cod. R17AS Front Articulated Joint for Welding Torch Shaft | x1  cod. R17 Torch Head for Internal Welding | x1  cod. R17P40 Torch Head Extension L=40mm (1.57") | x1  cod. R17P60 Torch Head Extension L=60mm (2.36") | x1  cod. R17P100 Torch Head Extension L=100mm (3.94") | x1  cod. R17PS External Torch Head Extension L=320mm (12.59") | x3  cod. G08C Short Welding Wire Tip ø0,8mm (0.031") |
| x3  cod. G08L Long Welding Wire Tip ø0,8mm (0.031") | x3  cod. G10C Long Welding Wire Tip ø1,0mm (0.039") | x3  cod. G10L Long Welding Wire Tip ø1,0mm (0.039") | x2  cod. G22C Short Gas Nozzle | x2  cod. G22L Long Gas Nozzle | x1  cod. C11 Complete Kit of Service Keys and Wrenches | x1  cod. C11 Red Metal Box (Packing) | |

MAUCOTOOLS S.R.L

Località Serramonda | Z.I. | 88044 | Marcellinara (CZ) |
Italy +39 0961 021836 | maucotools@maucotools.com