



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

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LEM 250
DUAL SYSTEM

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DUAL SYSTEM

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PORTABLE LINE BORING MACHINE **OB200 DUAL SYSTEM**

WORKING AND OPERATING RANGES

Boring Bar	∅	20mm - 40mm (0.78' - 1.57')
Internal line boring	∅	22mm - 200mm (0.88' - 7.87')
Internal Automatic Bore Welding	∅	Extra Kit
External Automatic Bore Welding	∅	Extra Kit
Drilling	∅	Extra Kit
Tapping	∅	Extra Kit
Flange Facing and Seeger Circlips	∅	Optional with FK (Facing Kit)
External Turning	∅	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 and operations (Automatic Bore Welding, Facing, Drilling and Tapping).

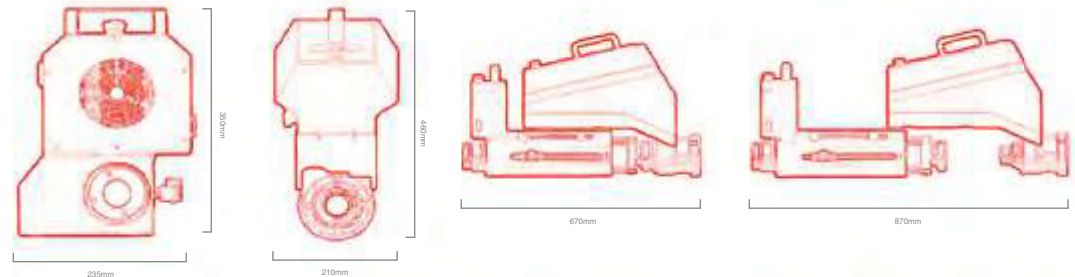
Cost-effective: No need to purchase a new machine, optimizing your investment

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

Robust and precise: ∅16mm tool holder, connecting tool holder bars (∅20, ∅40mm and ∅60mm)

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

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STANDARD PACK

OB200 DUAL SYSTEM

 RT DUAL SYSTEM Rotation Module	 AV DUAL SYSTEM Feed Module	 CAV Control Panel for Feed Module	 CAV1 Connection cable for Feed Module	 C37 Power supply cable	 B20M Boring bar ø20mm (0.79") L=1000mm (39.79")	 IB20 Boring bar reduction bushing ø40mm - ø20mm	 KBC20 Reduction bushing for Centering Kit
 BRS Reduction bushing for Universal Supports	 P8L21-06 Toolholder ø8mm (0.31") L=21mm (0.83")	 P8L35-06 Toolholder ø8mm (0.31") L= 35mm (1.38")	 B27 Boring bar ø40mm (1.57") L=1000mm (39.37")	 B27G Internal Boring bar Coupling	 ECM Morse Taper Ejecting Drift	 B16 MAUCOTOOLS Locking System (MLS)	 A32 Bearing Carrier for Feed Module
 S34 Universal Support	 C10 Special Wrench for Universal Support	 S34S-60 Bracket with Spacer for Support L=60mm (2.36")	 SS100 Bracket for Universal support L=100mm (3.94")	 SM30 Magnetic Fast-Centering kit	 C29 Special Caliper for Internal Diameter Measurement	 C31M Dial Gauge with Magnetic Holder	 P16L40-06 Toolholder ø16mm (0.63") L=40mm (1.57")
 P16L60-06 Toolholder ø16mm (0.63") L=60mm (2.36")	 P16L100-06 Toolholder ø16mm (0.63") L=100mm (3.94")	 P06 Carbide Insert for Toolholder	 P15A Torx Screw for Toolholder	 PC14 Torx Wrench for Toolholder	 GR4 Cutting Depth Adjustment Hook	 PC15 Toolholder Extension ø90mm (3.54")	 PUC115 Toolholder Extension L=115mm (4.53")
 C11 Complete Kit of Service Keys and Wrenches	 C11 Red Metal Box (Packing)						