



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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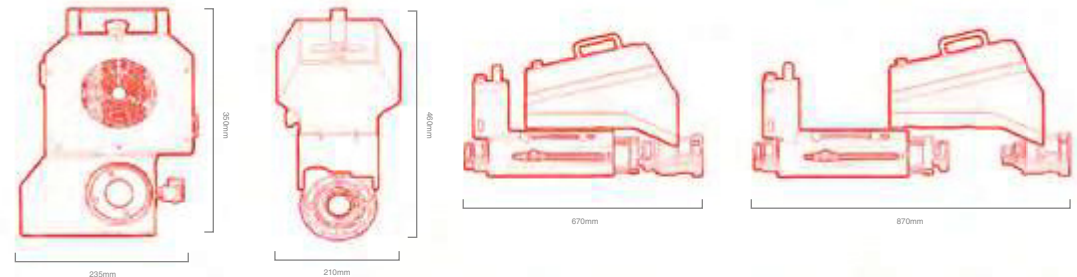
PORTABLE LINE BORING MACHINE **OB400 DUAL SYSTEM**

WORKING AND OPERATING RANGES

Boring Bar	Ø	40mm (1.57")
Internal line boring	Ø	42mm - 400mm (1.65" - 15.74")
Internal Automatic Bore Welding	Ø	Extra Kit
External Automatic Bore Welding	Ø	Extra Kit
Drilling	Ø	Extra Kit
Tapping	Ø	Extra Kit
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 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:** 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

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STANDARD PACK

OB400 DUAL SYSTEM



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