



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



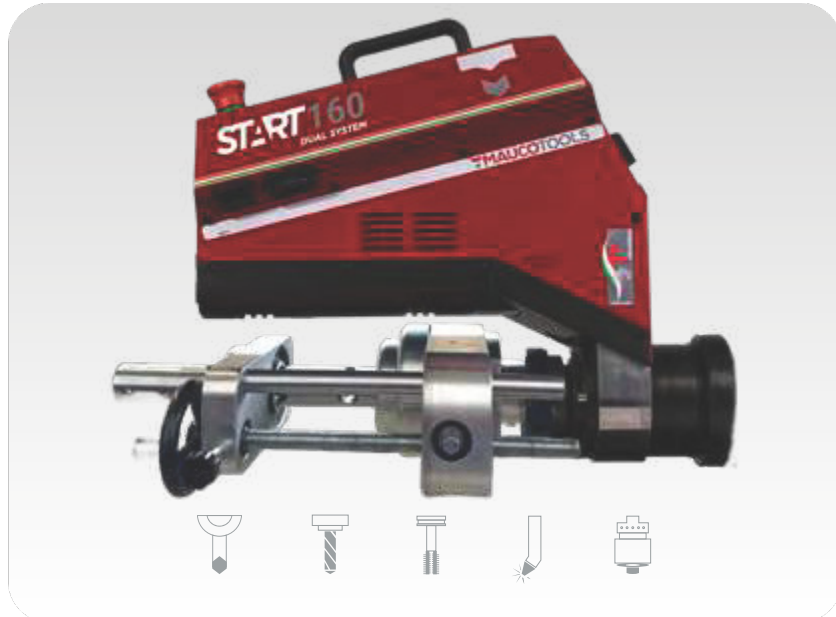
DUAL SYSTEM Rotation Module



MAUCOTOOLS S.R.L

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PORTABLE LINE BORING MACHINE **START 160 DUAL SYSTEM**

WORKING AND OPERATING RANGES

Boring Bar	Ø	20mm - 40mm (0.78' - 1.57')
Internal line boring	Ø	22mm - 160mm (0.88' - 6.30')
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 independent modules that can be mounted on the same side or, when space is limited, on opposite sides of the bore. Their separate design also allows for weight distribution, making the machine truly portable.

One Motor and Automatic Feed: Ensures simplified operation with synchronized control, providing consistent performance and reduced setup time.

Modular system: The START model offers a flexible solution that allows you to begin with essential capabilities and expand as your needs grow. By adding optional kits, you can increase the machining diameter up to 600mm and enhance functionality with additional operations such as welding, drilling, tapping, facing, and external turning. This scalable approach ensures you invest only in what you need, when you need it.

Cost-effective and Competitive Price: 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).

Advanced features: Synchronized rotation and feed, unlimited longitudinal stroke.

DUAL SYSTEM START Feed Module

Feed type	Mechanical
Screw Transmission	Automatic and Manual
Stroke	200mm (longer on request)

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

START DUAL SYSTEM

Your Entry-level model... but Made in Italy

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STANDARD PACK

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