



Dasa-Räger
UNI EN ISO 9001:2015
IQ-0322-04



MAUCOTOOLS



**ON-SITE MACHINE TOOLS
MANUFACTURER**

**LIGHTWEIGHT
MACHINERY
FOR HEAVY
DUTY WORKS**

FOCUS ON



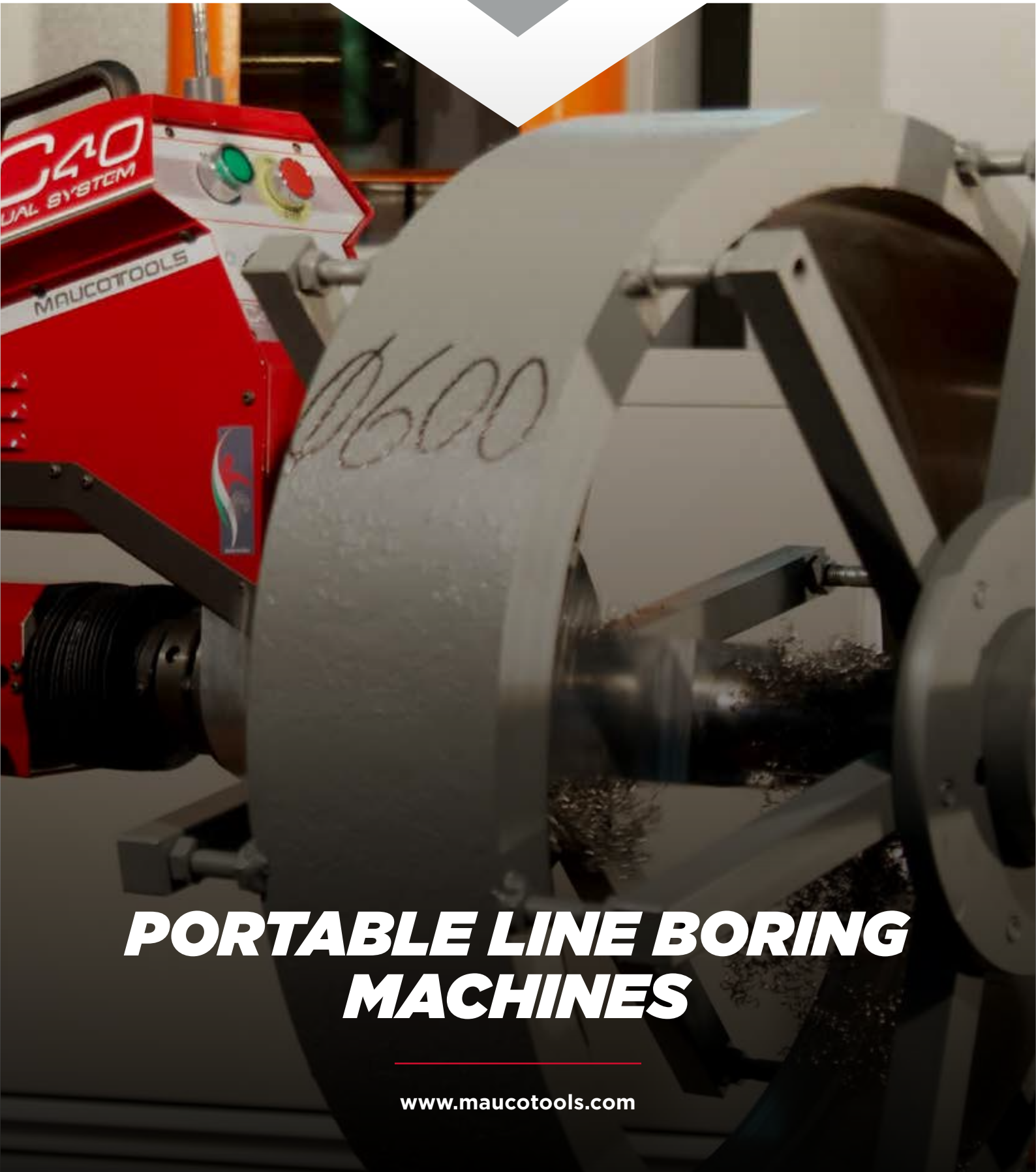
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- 1. Remote Feed Control Panel**
- 2. Rotation Control Panel**
- 3. Dual System**
- 4. Automatic & Adjustable feed Stop**
- 5. Brushless Feed Motor**





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PORTABLE LINE BORING MACHINES

www.maucotools.com

LBM 600 DUAL SYSTEM

MODULAR LINE BORING MACHINES



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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

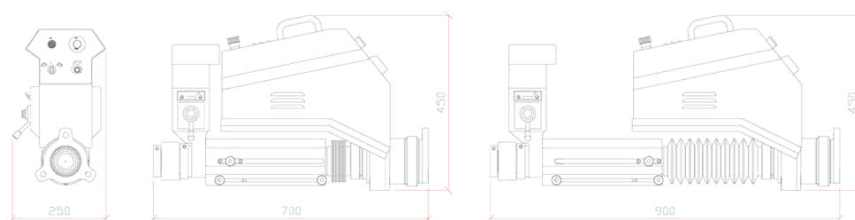
- > **PATENTED DUAL SYSTEM:** Built in two separate MODULES that can do independent machining. To make Bore Welding operations is not necessary to use the body of the engine machine, just use only the DUAL SYSTEM Feed Drive Module.
- > Double motorization to have the **total control of ROTATION and FEED**.
- > **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 **and 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.
- > **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 Bar 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)	
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



Dimension	
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	Max speed 437 in cont.
	Speed II: 180-423 RPM	Min speed 9 in cont.
MEASURES		
Typical Machine ship weight	150 Kg	150 Kg
Typical ship dimensions (shipped in 1 Red Metallic Case)	108 x 61 x 42 cm (42.52 x 24 x 16.54 inches)	

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