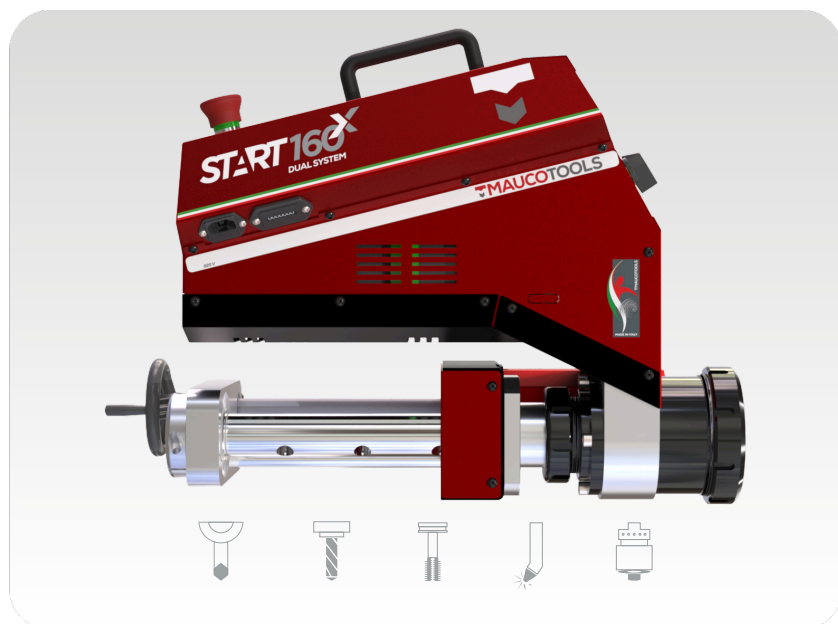




PORTABLE LINE BORING MACHINE **START160X DUAL SYSTEM**

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	32mm - 160mm (1.28" - 6.30")
External Automatic Bore Welding	Ø	22mm - 160mm (0.88" - 6.30")
Drilling	Ø	Extra Kit
Tapping	Ø	Extra Kit
Flange Facing and Seeger Circlips	Ø	Optional with FK (Facing Kit)
External Turning	Ø	Optional with KTE 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.

Automatic Electromechanical Feed: Maintains the simplified operation and reduced setup time typical of the START160, but expands its capabilities: thanks to automation, this version is in fact designed to also perform automatic bore welding operations, maximizing on-site versatility.

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 (Ø20mm, Ø40mm and Ø60mm).

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

DUAL SYSTEM START Feed Module

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

DUAL SYSTEM Rotation Module

2 types of motors	Electric	Hydraulic
Speed (2 gears)	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

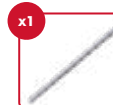
Your Entry-level model... but Made in Italy

MAUCOTOOLS S.R.L

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STANDARD PACK

START160X DUAL SYSTEM

 x1 cod. RT DUAL SYSTEM Rotation Module	 x1 cod. AV-SX Electromechanical Feed Module START	 x1 cod. CAV Control Panel for Feed Module	 x1 cod. CAV1 Connection cable for Feed Module	 x2 cod. C37C¹ C37L² Power Supply Cable	 x1 cod. C37RA Connection Cable for Rotation and Feed Modules	 x1 cod. B20M Boring bar ø20mm (0.79") L=1000mm (39.79")	 x1 cod. IB20 Boring bar reduction bushing ø40mm - ø20mm
 x3 cod. KBC20 Reduction bushing for Centering Kit	 x1 cod. BRS Reduction bushing for Universal Supports	 x1 cod. P8L21-06 Toolholder ø8mm (0.31") L= 21mm (0.79")	 x1 cod. P8L35-06 Toolholder ø8mm (0.31") L= 35mm (1.38")	 x1 cod. B27 Boring Bar ø40mm(1.57") L=1000mm (39.37")	 x1 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")	 x2 cod. SM30-160 Magnetic Fast-Centering kit	 x1 cod. C29 Special Caliper for Internal Diameter
 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. T17X Telescopic Welding Torch Shaft L=32-700mm EUR Cable	 x1 cod. R17AS Front Articulated Joint for Welding Torch Shaft	 x1 cod. R17 Torch Head for Internal Welding	 x2 cod. R17P40 Torch Head Extension L=40mm (1.57")	 x1 cod. R17PS Lancia per saldatura esterna L=320mm (12.59")	 x1 cod. R17GD Large-Diameter Welding Torch L = 190 mm (7.48")	 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 Short 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. BTS-ST40 Torch Lock	 x1 cod. C11 Complete Kit of Service Keys and Wrenches	 x1 cod. CI1 Red Metal Box (Packing)	

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¹ C37C: Short power cable (1 unit);

² C37L: Long power cable (1 unit);