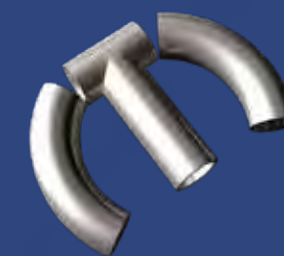




Quarrying



Mactech
(EUROPE) LIMITED

Why Choose Mactech Quarrying Machines?

- Mactech portable line boring machines make on-site boring operations much faster and easier.
- Mactech Boring Bar Systems are the most versatile line boring systems on the portable machining market. The rigid setup, high torque motors and accurate cutting restores your bores to like-new condition.
- Mactech and Bore Repair Systems have teamed up to create the Bore Repair Package, which includes a Mactech boring system with Bore Repair System's bore welder. This is a complete bore repair system for boring and weld overlay, shipped as one convenient package.
- Avoid costly shop repairs and complete your bore restorations on-site. Quick and easy setup, powerful drive motors, and reliable operation make all your line boring jobs affordable and easy. Mactech's boring systems are highly adaptable and can be configured to suit your application.
- We also provide a MBMC system. This system has an integrated feed screw, which enables the cutting head to travel up and down a stationary bar.
- Our MBMC boring bar systems provide machining capabilities on set up equipment where disassembly or removal from the job site would be costly and time consuming. We employ a simple design to provide a stable, rigid means for machining of in-place, on site jobs. The machines are portable and provide quick and easy set up and operation.
- Attachments and related equipment can be provided for facing, grooving, milling and almost any machining need. The design of the equipment provides for an efficient and rigid



Line Boring Machines

Mactech Europe has introduced new Line Boring Machines to meet the maintenance requirements for excavators and quarrying equipment in general.

There are many other line boring applications where this line boring machine could be utilised, therefore making it one of the most versatile machines available in the on-site machining business.



Line Boring Machines

Mactech's on-site portable Boring Bar Bore Repair Systems are powerful and versatile machines for inline bore machining, welding and repair.

The compact size and easy set-up make these one of the most efficient bore repair systems on the market.

A powerful variable speed motor can cut through the toughest materials.

The spherical fixture mounting system makes installation and centering easy and accurate.

BB1250 | Technical Specifications

- Drive Motor Electric: Options available.
- Feed Unit: Bi-directional, variable feed, independent of bar speed.
- Set-up: Two alignment cone assemblies for 40-150 mm bores. Self-aligning bearing mounts with spherical bearings. Toolholder for 10mm round tooling.
- Extended tool holders for up to 150mm bores
- Boring Bar: 30mm diameter, stainless steel, two 10mm diameter broaches every 250mm for tool and measuring devices.
- BB1250 Extended tool holders for up to 150mm bores

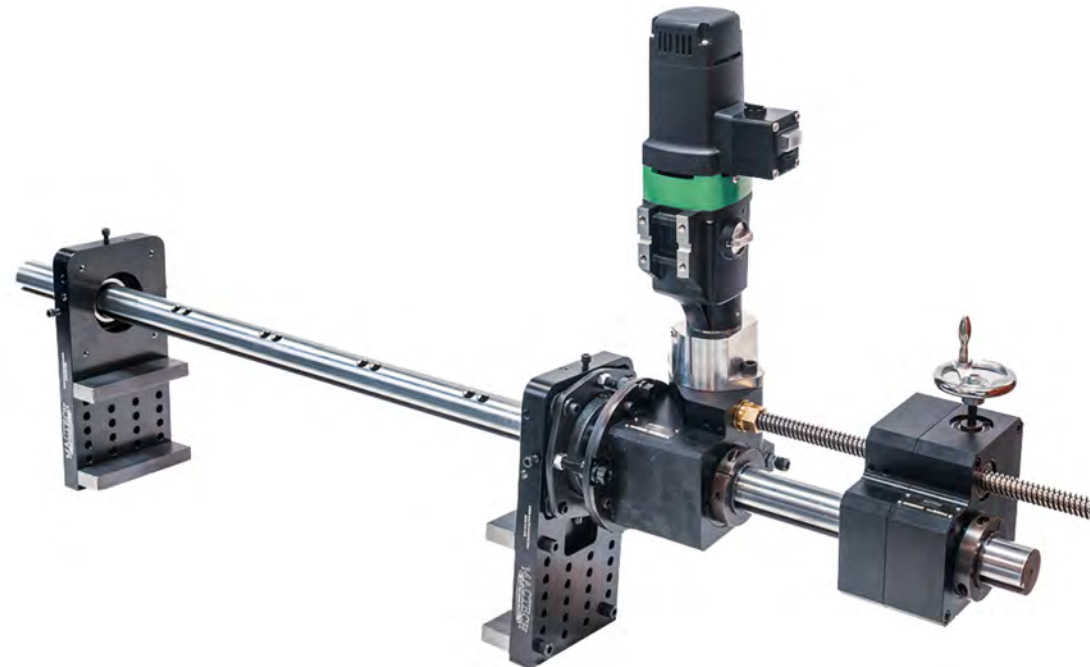


BB1750 | Technical Specifications

- Electric: Variable speed, 110V, 10.5 amps, 32 ft-lbs (43Nm) torque, 250/450 rpm
- Air: 300-400rpm
- Hydraulic: 300-400rpm
- Feed Unit: Bi-directional, variable feed, 0-.020 inches (0-0.5mm) per revolution.
- Set-up: Two alignment cone assemblies for 4-10 inch (102-254mm) bores. Self-aligning bearing mounts with spherical bearings. Tool holder for 1/2 inch (13mm) tooling. Extended tool holders for up to 10 inch bores.
- Boring Bar: 1.75 inch (45mm) diameter, chromed, two 1/2 inch (13mm) broaches every 6 inches (152 mm) for tool and measuring devices.

BB2250 | Technical Specifications

- Drive Unit: Right angle worm gear drive with 6:1 reduction ratio
- Pneumatic: 3.5 HP; 0-80 RPM
- Electric: 1.9 HP (110V or 220V) standard 10-80 RPM High Torque Model 5-40 RPM
- Hydraulic: Varies by motor and pump selections
- Feed Unit: Infinitely variable .000-.015" per revolution. Bidirectional and adjustable during operation. Manual crank allows rapid reset
- Travel: 12"-30" with 18", 24" or 36" feedscrews
- Tool Holders: High grade alloy steel accepting 1/2" Tooling for rigid and aggressive cutting. Facing Arm attachments available
- Set Up: Split aluminum cone sets are standard. Self-aligning spherical bearings with adjustable mounting brackets for ease of set up
- Boring Bars: 2 1/4" precision chromed bars broached every 6" for toolset. Standard bar length: 4', 6' and 8'. Any length is available. Double broach option: allows for precision bore measurement with the bar left in place. 1 1/4" Small diameter precision chromed and keyed bars available. Standard bar length 4', 6' and 8'. Any length is available.



BB2250 Bore Repair Package

Weld and Machine Precision Bores in One Set-up. The Mactech BB2250 Bore Repair Package is a complete system for repair of bore diameters of 2.5 inches to 20 inches (63.5mm to 508mm).

The Bore Welder and Boring Bar feature a mount anywhere pass-through drive system. On jobs such as payload lift arm bores, the Bore Welder can be center-mounted and can weld out either end of the machine with one simple operation, without ever losing system center. With our pass-through design the excess bar simply comes out the back end of the machine.

The Bore Repair Package shares one mount for boring and welding for fast setup and rapid transitions from boring to the welding process.



BB2250 Bore Repair Package



BOA Bore Welder

Boring Bar Features

- Drive: 110v or 220v, variable feed direction RPM and variable feed rate, hydraulic or pneumatic drive options.
- Bar: Chromed, 72 inches long x 2.25 inches diameter (1828.8mm x 57.2mm), dual 1/2 inch (12.7mm) tool ports for easy bore measurements without tool removal.
- Centring Kit: Unique aluminium split feature for installation and removal in tight spaces.
- Support Bearings: Two auxiliary spherical self-aligning bearings supporting the bar and feed unit.
- Tool: Sharpened 1/2 inch (12.7mm) square high-speed tool (carbide tool optional).
- Bore Welder to Boring Bar Interface: Enables bore welder to mount directly to boring bar bearings or support.
- Axial Feed Box: Unit can be independently mounted from the rotational head, if required.
- Tool Kit: 2.5 to 14 inch standard (63.5mm to 355.6mm)
- Tool Extender Kit: Optional holder to 24 inches (609.6mm)

Bore Welder Features

- Welding Head: Adjustable, arc-resistant, heatsink style. Extensions for bores 1.25 to 21 inches diameter (31.8mm to 533.4mm).
Micro welding head for bores down to .80 inch diameter (20.3mm).
- Welding Head Drive: 110v or 220v, variable feed direction and RPM
- Welding Shaft: Reversible, 90 inch (2286mm) total extended reach from bore to bore (expandable).
- Remote Weld Trigger: For partial bore welding or skipping over no-weld areas.
- Spare nozzle, tip and diffuser assortment.
- Welding Conduit: 10 feet (3m) 150 amp with universal end (hi-amp upgrades available).
- 360° Adjustable Mounting System: Allows convenient control placement.

Line Boring Machines

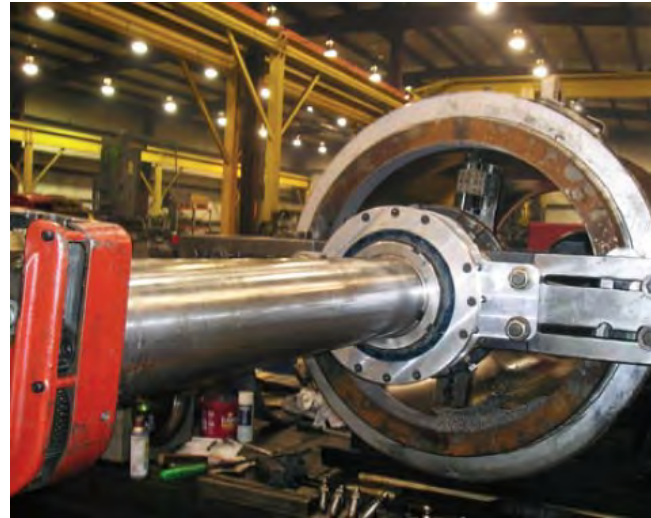
MBMC

MBMC Portable Boring Systems, the tools to use for your largest bore repairs.

For over 90 years MBMC portable boring machines have kept industry up and running. These rugged and versatile machines have been used on the most challenging on-site boring and facing applications; from turbine machining to ocean-going vessel repairs.

The extremely rigid structure and reliable operation ensure your cuts will be accurate and setup will be easy. If you have a unique or challenging job, our design team will create a custom setup for your application. Our experienced technicians know how to get the job done, on time and on budget.

Mactech's affordable, on-site machining services will minimize your downtime and maximize your productivity.



Line Boring:

- Full length feed mechanism.
- Cuts in any position, at any angle.
- 3-1/4 to 10 inch boring bar diameters.
- 6 to 160 inch diameter machining capability.
- Up to 24 feet length machining capability

Available Boring Bar Diameter

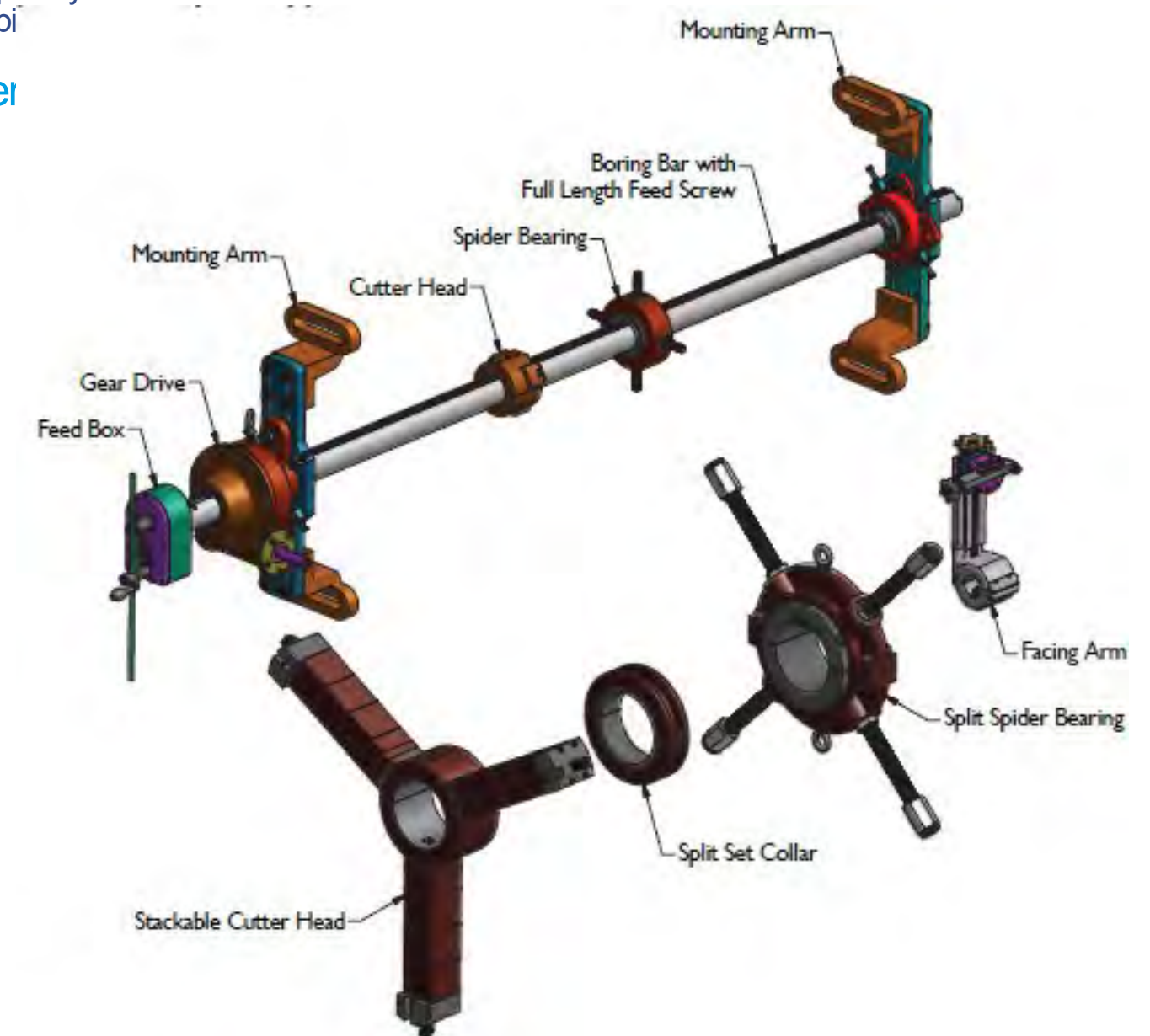
- 3.25 Inch
- 4 inch
- 4.5 inch
- 6 inch
- 8 inch
- 10 inch

Industries Served

- Power Generation
- Petro-chemical
- Paper Mills
- Marine
- Mining
- Heavy Equipment
- Heavy Industrial

MBMC Boring System Components

The figure shows typical MBMC Boring System components. Many configurations, accessories and setups suited to your application are available.



Line Boring Machines

MBMC4

MBMC4 Portable Boring System is Mactech's premier system for on-site machining, where accuracy and portability are of utmost importance.

The MBMC4 can cut in any position, at any angle. The feed mechanism allows machining along the full length of the boring bar, and stackable boring heads reach to your largest diameters. Setup is quick and easy even in the most challenging environments.

The MBMC4 Portable Boring System is a proven, reliable and affordable solution to your on-site machining needs



The MBMC4 Portable Boring System comes complete with:

- Selection of Boring Heads
- Boring Bar
- Gear Drive
- Drive Motor
- Spherical bearings
- Spider Bearings
- Split Set Collars
- Mounting Bridges
- Mounting Knees
- Hardware
- Optional Facing Arm

Line Boring Machines

MBMC6

The MBMC6 Facing Arm Attachment used as an accessory to the MBMC Boring Bar system.

The Facing Arm Attachment allows the MBMC 6 Boring Bar to be used as a flange facing machine capable of machining flanges from 6 inches to 76 inches diameter.

Features include modular extension sets and automatic variable feed. Inward and outward radial feed capability allows flexibility in cutting direction.

The MBMC6 Facing Arm Attachment is well balanced for top performance and is easy and fast to install.



Manually Operated Flange Facing Tools

Flange Hog 11

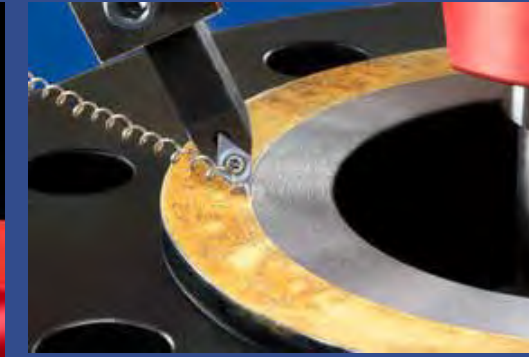
The FLANGE HOG 110® is rugged, compact and ideal for quickly reconditioning rusty, scarred and worn flange gasket seats to like-new condition in minutes. This easy to operate flange facing tool is perfect for re-facing RF and FF flanges on site, in a fabrication/repair shop and it produces a perfectly precise phonographic finish.

The FLANGE HOG 110® has a clamping range from .9" (22.86mm) to 10.3" (261.6mm) and can machine flanges with a reach up to 14" (355.6mm) O.D. The ESCO proprietary clamping system is simple to configure and designed for fast set-up with accurate alignment.

Cutting bits are double sided, long lasting, and specially formed to cut through a wide variety of material including carbon steel, stainless steel, alloyed steel, aluminum and cast iron. Each tool kit comes ready to use in a sturdy carrying case that keeps everything conveniently organized and readily accessible.

Whether you are interested in buying or renting, the FLANGE HOG 110® will provide you with consistently accurate results and years of trouble-free service.

FOR SALE or RENT



- Manually operated, no electrical, hydraulic, or air lines necessary
- Smooth swing operation produces perfectly precise phonographic finish
- I.D. clamping range of .9" to 10.3" with facing diameter up to 14"
- Accurately mounts to the flange I.D. in seconds
- Feeds available, smooth & stock finish in accordance with ASME B16.5 standards
- Cutting tool has both neutral (straight) and 90-degree tool bit holders
- Made of high strength precision machined materials
- Sturdy carry/transport case for managing all components
- Available kits come ready to use Strong hardware that is easy to use and makes setup fast
- Saves time and money

Clamping Advantage

The FLANGE HOG 110® uses one mandrel and two wedges to achieve the full clamping range of .9" (22.9mm) to 10.391" (263.9mm).

This rugged proprietary clamping system is simple to set-up and attaches to the flange I.D. with consistent unmatched accuracy.

All components are made of high strength precision machined materials for long service.



Manually Operated Flange Facing Tools

LMC MINI FLANGE FACING TOOL

LMC MINI FLANGE FACING TOOL BUILT FOR DURABILITY, PERFORMANCE AND EASE OF OPERATION

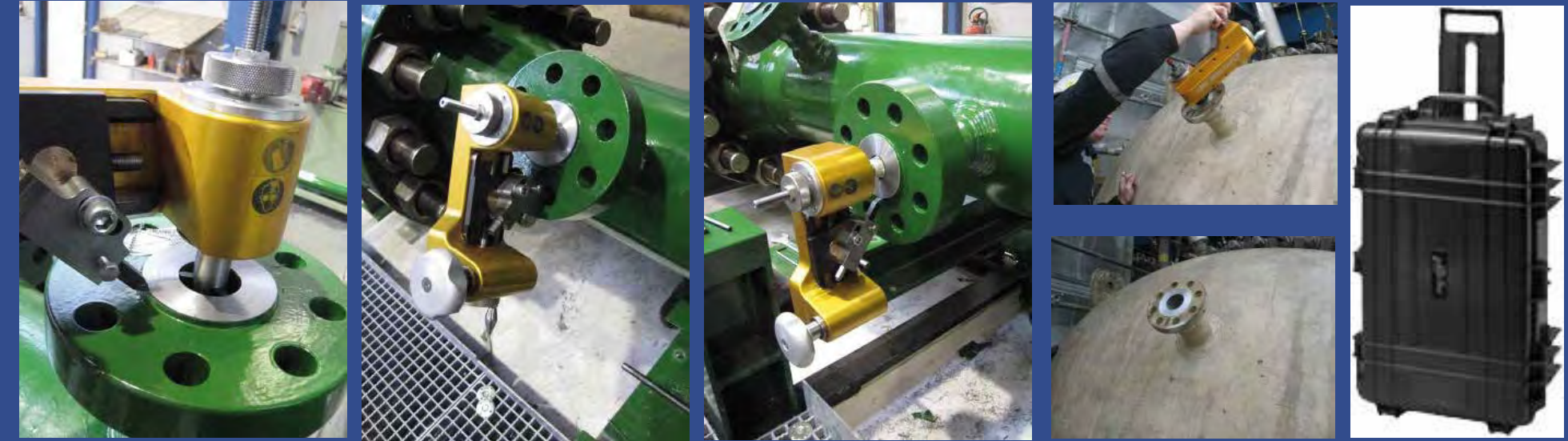
Now in three sizes to 10", 14" and 22" Facing.

The easy to operate manually operated LMC mini flange facing tool allows any technician to recondition RF / FF and other gasket settings in-situ and at locations that may prove to be difficult to get to.

Due to clamping and machine range the LMC Mini Facing Tool is a very efficient tool for service or repair workshops and also for piping construction companies and vessel manufacturers.

The internal diameter clamping ranges makes this Mini Flange Facer a valuable addition to any company which requires exact results on-site when repairing damaged flange facers.

FOR SALE or RENT



- Complete set of internal hardened clamps from diameters 25.4 mm / 1" ID to and included 252 mm / 6"
- 2 off (easy exchangeable) feed screws ASME 165
- 1 off for Smooth finish
- 1 off for Stock finish
- Sturdy carry and transport case which comes with compartments for all components
- The LMC Mini Facer comes ready to use
- Set off hand tools consisting off : Plastic Hammer , Allen keys , spanners , tool bit TORX bit
- Cutting Tool
- 1 straight (neutral) tool bit holder
- 1 pc angled 90 degrees tool bit holder
- Cutting Tips Suitable for:-
- Stainless Steel | Carbon Steel | Aluminium | Alloy etc
- No Training Required



DualMagnetDrill

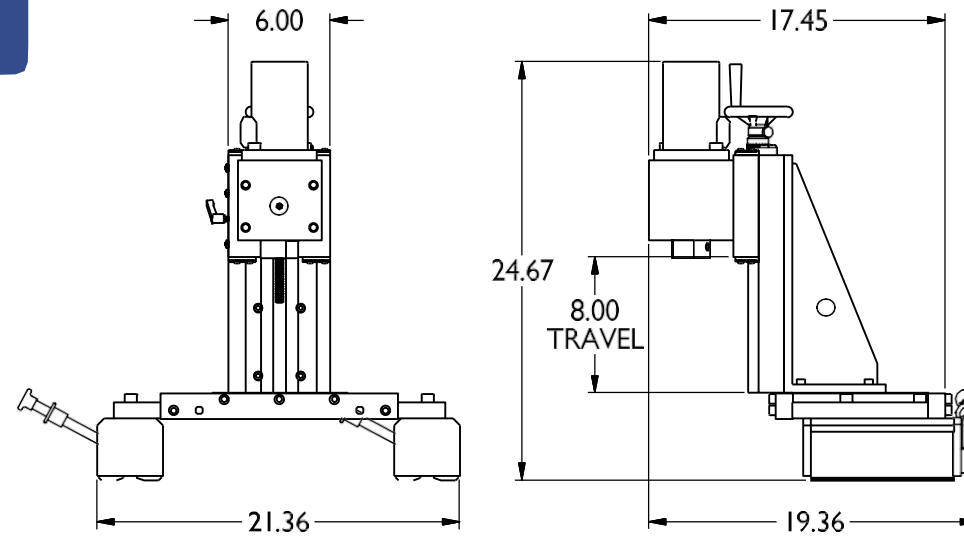
The Mactech Dual Magnet Drill has the power and portability for drilling large rigging and vent holes in casing, structure and decks.

The precision slide and bracket assembly provides an extremely rigid platform for the most demanding drilling jobs. The powerful motor can easily cut through the toughest casing and aggregate. Super strong rare earth magnets provide a secure and stable base that can be mounted on any ferrous surface.

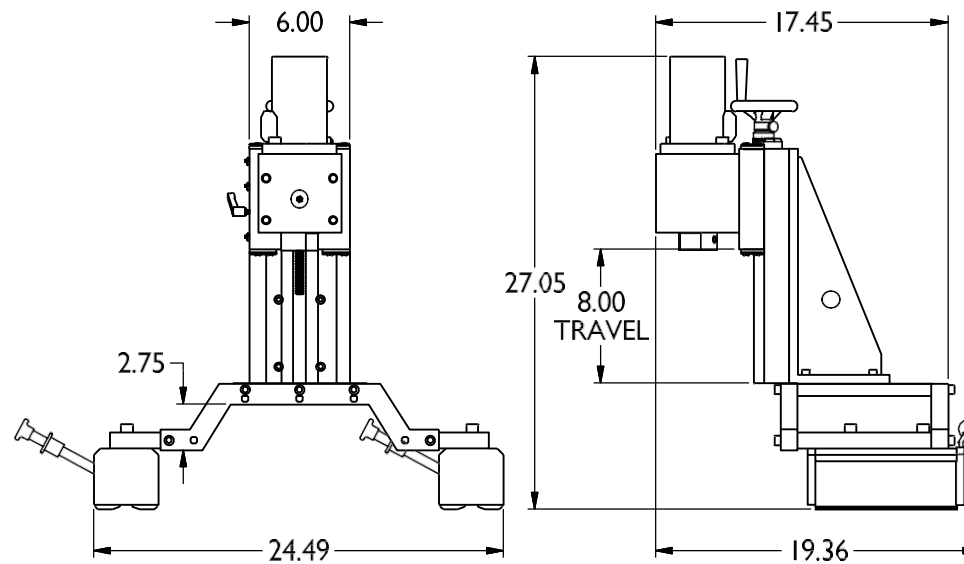
Features:

- Drills up to 8 inch holes through the toughest materials
- Hydraulic or pneumatic power
- Uses standard drill bits, hole saws and end mills
- Strong rare earth magnets attach to any ferrous surface
- Standard 1 inch straight quill
- Mounting

Dual Magnet Drill with Hydraulic Motor



with Flat Mounting Bar



with Raised Mounting Bar

MT30 Rack Drill

Mactech's MT30 Portable Rack Drill is a versatile and easy to use drill for on-site drilling.

The MT30 Rack Drill is ideally suited for applications where quick set-up and powerful drilling is required. An optional hanger bracket allows the drill to be positioned at a set distance from the top of pipe or other structure. An optional magnet attachment allows the MT30 Portable Rack Drill to be easily attached to almost any ferrous surface. The MT30 Portable Rack Drill can be customized with mounting options, tool holders and motors for your applications.

Features:

- Powerful air, hydraulic or electric motors drill quickly through the toughest materials
- Portable, compact and lightweight design makes drilling in hard to reach spaces easy.
- Optional magnetic attachment base mounts securely to flat or round ferrous surfaces
- Optional hanger bracket for quick and secure placement and drilling on pipe or structure
- Wide variety of arbors, tool holders and motors are available



MagbasedDrill

This perfected innovatedesign is theresult of consciousand consistentresearchand developmentwith built-in safety features as standard on all machines.

MactechEurope machinesare built to the highest standardwith High-Tech electromagnetic bases, the mostpowerful motor units madein Germanywhich have been speciallyadapted for our needs plus PCB Controlboards with built in interlinked safetyfeaturesunique to these machines.

Advantages over other brand

- T.R.S.S. Maximises slide stability.
- Up to 10 times better stability than dovetail systems.
- Slide has no contact with main body of machine.
- Reduced frictionless wear.
- Low maintenance better reliability
- Reduced cutter breakages due to better slide stability.
- Improved cutter life.
- Better tolerance achievable.
- Improved hole quality.
- Up to 110mm cutting depth with cutters with small machine.



Magtap 30



MDS40
swivel base



MDS50
swivel base



MD108
fixed base



MDS132
swivel base

The
ULTIMATE
hole cutting
system

Linear3AxisMill

The Mactech MTE Portable Milling Machine range is a 3-axis, linear rail portable mill, capable of close tolerance milling, drilling, boring, and many other on-site milling operations.

It is ideal for large area repair work where dismantling is not possible or practical. The MTE Portable Mill can be welded, clamped, bolted or magnetically attached directly onto the workpiece in any orientation. The cross travel beam can be positioned along the cross travel beam so that the milling head can be inboard or outboard of the long travel beam. The milling head itself can be rotated through 90° increments. The MTE Portable Mill is available in various lengths from 36 to 120 inches.

Features

- Milling Head Motor : Hydraulic, Electric or Pneumatic
- Milling Head Speed : Up to 1000 rpm
- Milling Head Toolholder 40 Int Taper
- BiDirectional Electric Travel Feed 110V
- Long Travel: 1950mm
- Cross Travel: 4200mm Max. (depending on cutter diameter)
Other cross travels are available as options
- Vertical Travel of Milling Head 120mm Hand feed with digital readout



Shaft Turning & Keyway Milling Equipment



824USS Shaft Lathe



824USS Shaft Lathe



MT4 Keyway Mill



MT4 Keyway Mill

EndShaftLathe

ENDMOUNTSHAFTLATHE“EMSL”

The Mactech End Mount Shaft Lathe (EMSL) is a pneumatic-powered portable unit that mounts to the end of the work piece. The EMSL can perform all turning operations on straight and tapered shafts from 8 to 24 inches (203.2 to 609.6mm) in diameter.

Shaft Diameter:
Minimum 8 inches (203.2mm)
Maximum (standard tool holder) . 18 inches (457.2mm)
Maximum (with extender) 24 inches (609.6mm)

Cutting Reach:
Minimum (standard tool holder) 0 inches (0mm)
Maximum (standard tool holder)
24.75 inches (628.7mm)
Minimum (with Extension Kit) 3.25 inches (82.6mm)
Maximum (with Extension Kit) 27 inches (685.8mm)

Maximum Taper:
2.5 inches per foot on 8 to 18 inch diameter
(63.5mm per 304.8mm on 203.2mm to 457.2mm diameter)

Total Vertical Tool Travel:
1.5 inches (38.1mm)

Tool Feed, Reversible:
0 to .020 inches/revolution (0 to 0.5mm/revolution)
Maximum Torque at Tool Head:
450 ft/lbs (610.1Nm)
Air Motor:
Rotational Speed at Max Rated HP 520 RPM
Rotational Speed at No Load 1100 RPM
Air Consumption (at Max Rated HP):
90 PSI @ 48 ft³/min (620 kPa @ 136 cm³/min)
Machine Rotational Speed:
21 RPM @ Max Rated HP
30 RPM @ No Load
Tool Bit:
1/2 inch (12.7mm) square cutter

General Information

Weights and Dimensions:
Operating Weight 413 lbs (187.3 kg)
Shipping Weight 550 lbs (249.5 kg)
Shipping Dimensions 53 x 38 x 19 inches
..... (1346.2 x 965.2 x 482.6 mm)

The EMSL Portable Lathe comes complete with the following:

- Pneumatic Drive
- Air Caddy (filter and lubricator)
- Extension Kit
- Tool Kit
- Hand Tools
- Operating Manual and Parts List
- Shipping and Storage Crate

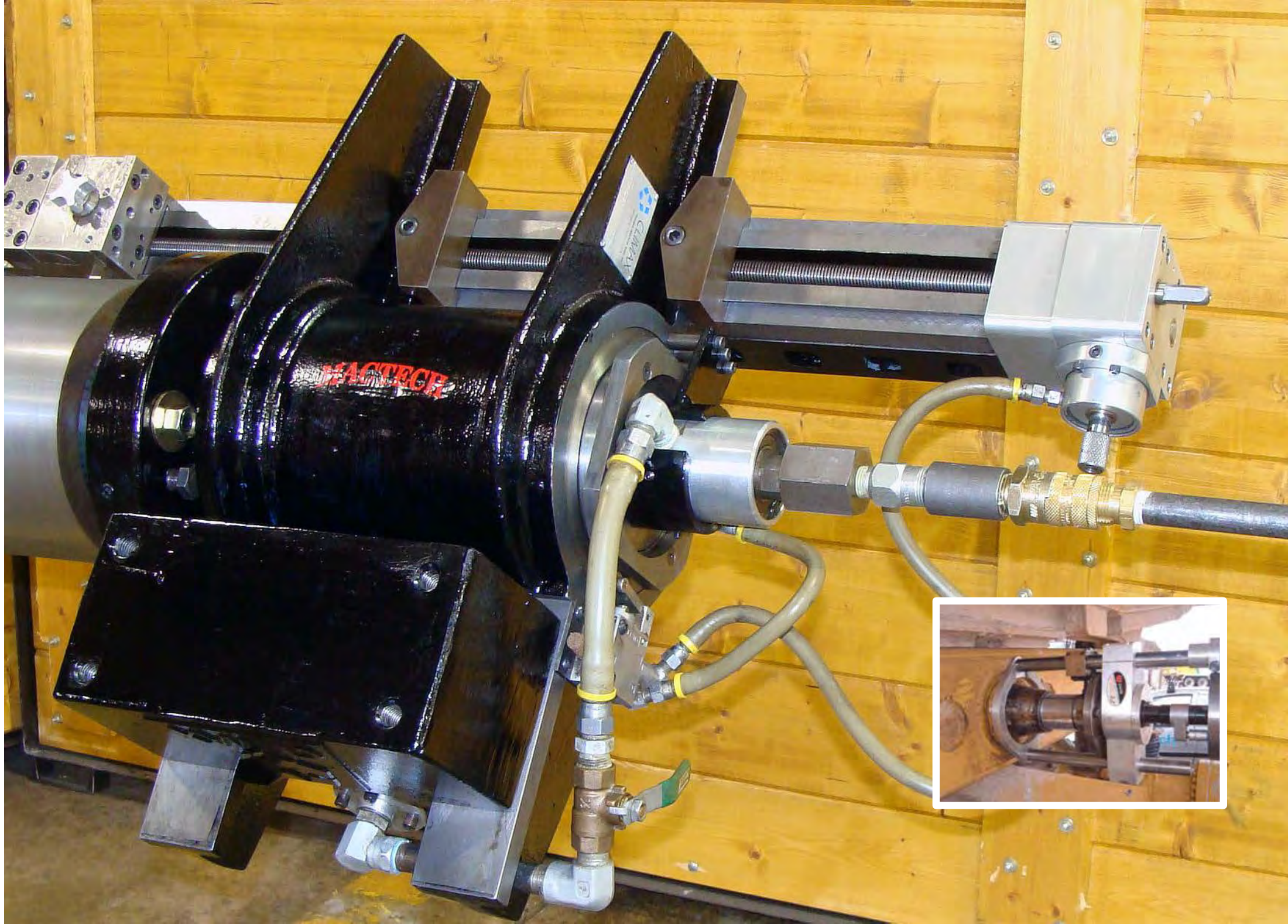


Plate Bevelling Machines

We are a premier international bevelling machine manufacturer proposing solutions for chamfering hard or abrasive steel alloys, of both small and large thicknesses.

Cevis bevellers are recommended for hardox bevel, arnox, duplex and super duplex... generally used for manufacturing parts of high wear and abrasion-resistant construction machinery.

CEVISA delivering bevelling solutions across all industries

- Civil Engineering Structures & Offshore
- Industrial Boiler Making
- Maintenance & Welding
- Petrochemical & Nuclear
- Raw Material Distributors
- Sea & Defence
- Site Equipment & Large Machines
- Tanks & High-Pressure Vessels
- Transport & Hoisting Crane
- Wind & Thermal Energies



Plate Beveling Machines

CEVISA is recognized as the world leading manufacturer and developer of patented and high performance self-feed beveling machines for metal working industry.

We are able to guarantee to our customers reliable and tested plate beveling machines, improving welding preparation time for any kind of steel fabrication: structural engineering, navy and shipbuilding, wind tower manufacturer, offshore contracting.

With 8 choices of patented high performance self-feed beveling machines that improve welding preparation time for any kind of steel fabrication including structural engineering, navy and shipbuilding, wind tower manufacture and offshore contracting.



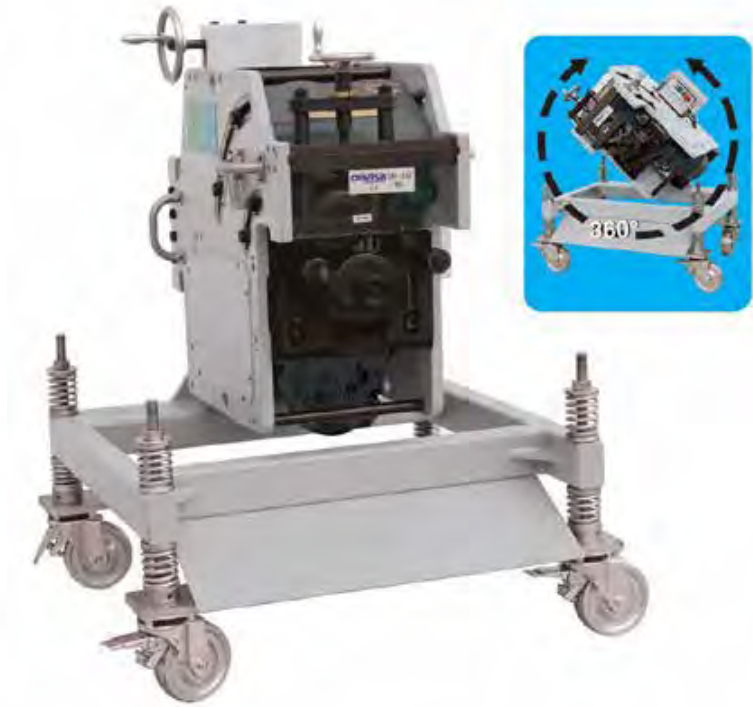
Our commitments: Constant innovation, high quality products, customer satisfaction.

- Cevisa plate beveling machines are designed to bevel plates from 3 mm to 100 mm thick.
- Unique machining finish, high speed working, no deformation or change in material properties
- Perfect to improve productivity in plate and pipe welding processes after oxy-cutting

cevisa
beveling machines



- Fast & efficient beveling solutions for saving time and money, robust machines, NO maintenance.
- Fast solutions, self-feed beveling machines suitable for off-site construction work & for workshops for any material
- No hand loading, efficient automatic speed of operation.
- CEVISA machines are chatter free and run silently in the workshop, no noise!
- Immediate delivery and a guaranteed response in less than 48H, worldwide, for all machines, cutters and spare parts in stock.
- Replacement cutters are competitively priced
- Minimal machine operator training required
- CEVISA manufacture machines which can be modified and adapted to production needs.
- Technical and Business Support with strategic distribution across Europe – 50 years manufacturing experience.





Mactech Europe - Head Office

Mactech House

Riverdane Road

Eaton Bank Trading Estate

Congleton

Cheshire

CW12 1PN

+ 44 (0) 1260 281431

Mactech Europe - Aberdeen Office

Mactech House

Howe Moss Drive

Kirkhill Ind. Estate

Dyce

Aberdeen

AB21 0GL

+ 44 (0) 1224 722666

Mactech Europe B V - Holland

Moerbei 16

3371 NZ

Hardinxveld-Giessendam

Netherlands

+ 31 (0) 184 633 953



www.mactech europe.co.uk

www.mactechhire.com

info@mactech europe.co.uk