

8110 SD Clamshell Lathe

90 to 110 inches (2286 to 2794mm) Nominal Bore

Mactech Europe offer portable pipe cutting machines for On-Site precision cutting and bevelling of most pipe sizes, schedules and materials.

The Clamshell Lathes cover a wide range of pipe sizes from 2" to 110" Nominal Bore and are designed so that minimal radial and axial clearance are required for easy installation on in-line closed loop pipe.

Unlike other competitive cold cutters our lathes have more bearings making it the most versatile machine in the industry to cut and bevel pipe, re-machine flanges, machine shafts and more.



Benefits

- Sever or simultaneous Sever / Bevel 90 to 110 inch Nominal Pipe
- Cold cutting in hazardous environments
- Exceptionally rigid, split frame for precise on-site machining
- OD Following Tool Block allows a +/- inch out of round workpiece
- Tool holder accepts standard 1 inch square tool bits
- Powerful dual hydraulic drives suitable for cutting toughest steel and steel alloys
- Single point attachment available for flange face machining
- Customer setups and drives available for your application



Mactech (Europe) Ltd
Mactech House
Riverdane Road
Eaton Bank Trading Estate
Congleton
Cheshire
CW12 1PN
+ 44 (0) 1260 281431

Mactech (Europe) Ltd.
Mactech House
Howe Moss Drive
Dyce
Aberdeen
Scotland
AB21 0GL
+ 44 (0) 1224 722666

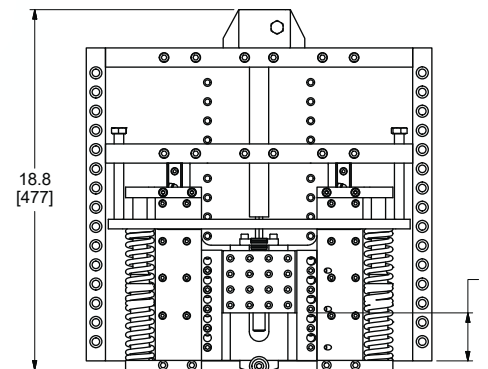
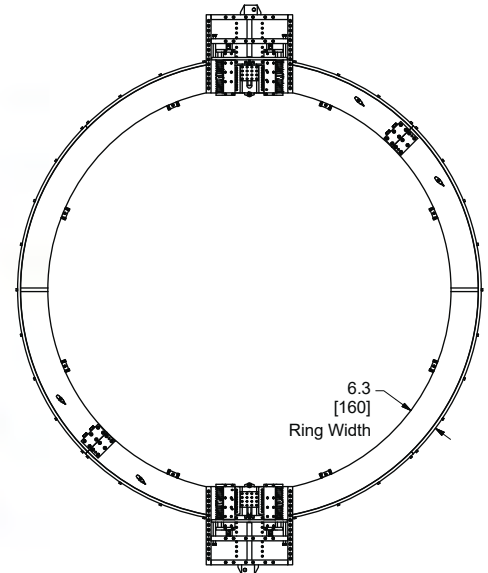
Mactech (Europe) BV
Moerbeij 16
3371 NZ
Hardinxveld-Giessendam
Netherlands
+31 (0) 184 633 953

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Model	Standard Block Tool	Diameter Range
110SD	ODF	90.0 to 110.0 inches (2286 to 2794mm)

SD Tool Block and Slides Options
These Tool Block and Slide Assemblies
fit on all SD Clamshells



SD ODF
600-6647

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SD CLAMSHELL PORTABLE LATHE SPECIFICATIONS

Application Range	90 to 110 inches (2286 to 2794mm) Nominal Bore	
Feed	Feed Mechanism	4 Point Star Wheel & Tripper
	Feed Rate	.002, .004 or .006 inches per revolution (0.05, 0.11 or 0.16 mm)
Drives	Hydraulic Drive HPU Requirement 10-15 gpm @1000 psi (38-57lpm@69 bar) continuous pressure - includes hose whips and quick connects	
Weights	Operating Weights include tool blocks, slides and drive motor Operating Weight: 3510 lbs. (1592 kg) Shipping Weight: 4800 lbs. (2177 kg)	
Options	Full line of tool bits Hydraulic Power Unit Single Point Flange Face Machining Attachment	
Frame	The aluminium frame is a split ring assembly capable of being disassembled to be installed around in-line piping. The frame has bearing mountings for the rotating head, a drive motor mount, locator pads for mounting to the pipe, and a gear cover.	
Cutting Head Assembly	The cutting head assembly is a heat treated 4140 alloy steel split ring gear assembly, which aligns with the split lines of the frame enabling the machine to be split in half. The cutting head has an integral spur gear on the outside diameter, and mounting devices for tool holders.	
Drive Assembly	The drive motor assembly mounts to the frame and is arranged with a pinion gear on a shaft. The drive motor mount bracket is designed to accept the reaction torque generated by the drive motor.	
Bearings	The cutting head runs on precision bearings that provide for both axial and radial force reactions experienced in pipe machining. Mactech utilises two separate radial bearing arrangements in every machine, providing maximum rigidity of operation. They are designed so that adjustments are not required.	
Tool Holder (blocks)	The tool holders mounted to the cutting head assembly are provided with automatic radial feed "star wheel" mechanisms. They are designed to maintain the radial clearance equal to the frame diameter and feature adjustable gibs for tool support.	
Locator Pads	Adjustable locator pads are actuated by jackscrews from the outside of the frame. A set of locator pads with extensions to cover the machine's operating range is provided with each machine. Additional sizes for each machine are available.	
Tool Bits	Mactech tool bits are available for severing, severing and double bevelling, severing and bevelling on the side of the cut on which the clamshell is mounted (right hand), severing and bevelling on the opposite side of the cut (left hand), counterboring, socket weld removal, etc.	