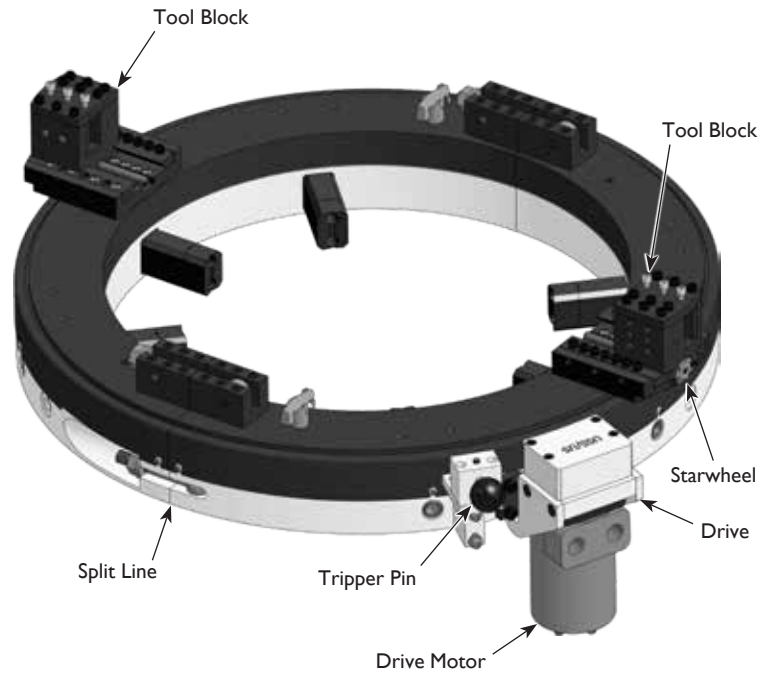


820USS CLAMSHELL LATHE

MACTECH PORTABLE MACHINING SOLUTIONS

Features

- Sever or simultaneous Sever/Bevel NPS 14 to NPS 20 schedule pipe.
- Cold cutting in hazardous environments.
- Exceptionally rigid, split-frame for precise on-site machining.
- Lightweight, low clearance design for easy handling in tight working spaces.
- Tool Holder accepts standard 3/4 or 1 inch tool bits.
- Air Caddy (air filter and oiler) included with air drive systems.
- Custom setups and drives available for your application.



Mactech 820USS Clamshell Lathe

820USS Nominal Pipe Size (NPS) Application Range

Nominal Pipe Size (in.)	Schedule No.	Wall Thickness (in.)	Inside Diameter (in.)	Nominal Pipe Size (in.)	Schedule No.	Wall Thickness (in.)	Inside Diameter (in.)
14 (14.000)	5S	0.156	13.688	18 (18.000)	5S	0.165	17.670
	10S	0.188	13.624		10S	0.188	17.624
	10	0.250	13.500		10	0.250	17.500
	20	0.312	13.376		20	0.312	17.376
	30, ST	0.375	13.250		ST	0.375	17.250
	40	0.438	13.124		30	0.438	17.124
	XS	0.500	13.000		XS	0.500	17.000
	60	0.594	12.812		40	0.562	16.876
	80	0.750	12.500		60	0.750	16.500
	100	0.938	12.124		80	0.938	16.124
	120	1.094	11.812		100	1.156	15.688
140	1.250	11.500	120	1.375	15.250		
160	1.406	11.188	140	1.562	14.876		
16 (16.000)	5S	0.169	15.670	20 (20.000)	5S	0.188	19.624
	10S	0.188	15.624		10S	0.218	19.564
	10	0.250	15.500		10	0.250	19.500
	20	0.312	15.376		20, ST	0.375	19.250
	30, ST	0.375	15.250		30, XS	0.500	19.000
	40, XS	0.500	15.000		40	0.594	18.812
	60	0.656	14.688		60	0.812	18.376
	80	0.844	14.312		80	1.031	17.938
	100	1.031	13.938		100	1.281	17.438
	120	1.219	13.562		120	1.500	17.000
	140	1.438	13.124		140	1.750	16.500
160	1.594	12.812	160	1.969	16.062		

Options

- Full line of tool bits
- Right angle and reversible drives
- Single Point machining attachment
- Axial Feed machining attachment
- Counterbore/Facing attachment
- Hydraulic Power Unit

Application Range

14.00 to 20.00 inch (356 to 508 mm) diameter pipe, NPS 14 to 20

Feed

Feed Mechanism: 7 point starwheel and tripper
Feed Rate: .004 inch (0.09 mm) per revolution

Drives

Air Drive

Air supply requirement: 100 cfm @ 100 psi (2.8 m³/min @ 6.9 bar)

Hydraulic Drive

HPU requirement: 10-15 gpm @ 1000 psi (38-57 lpm @ 69 bar) continuous pressure
Hydraulic motor includes hose whips and quick-disconnects

Weights (includes tool blocks and motor)

Operating Weights

820USS Air Drive: 191 lbs. (86 kg)

820USS Hydraulic Drive: 192 lbs. (87 kg)

Shipping Weights

820USS Air Drive: 319 lbs. (145 kg)

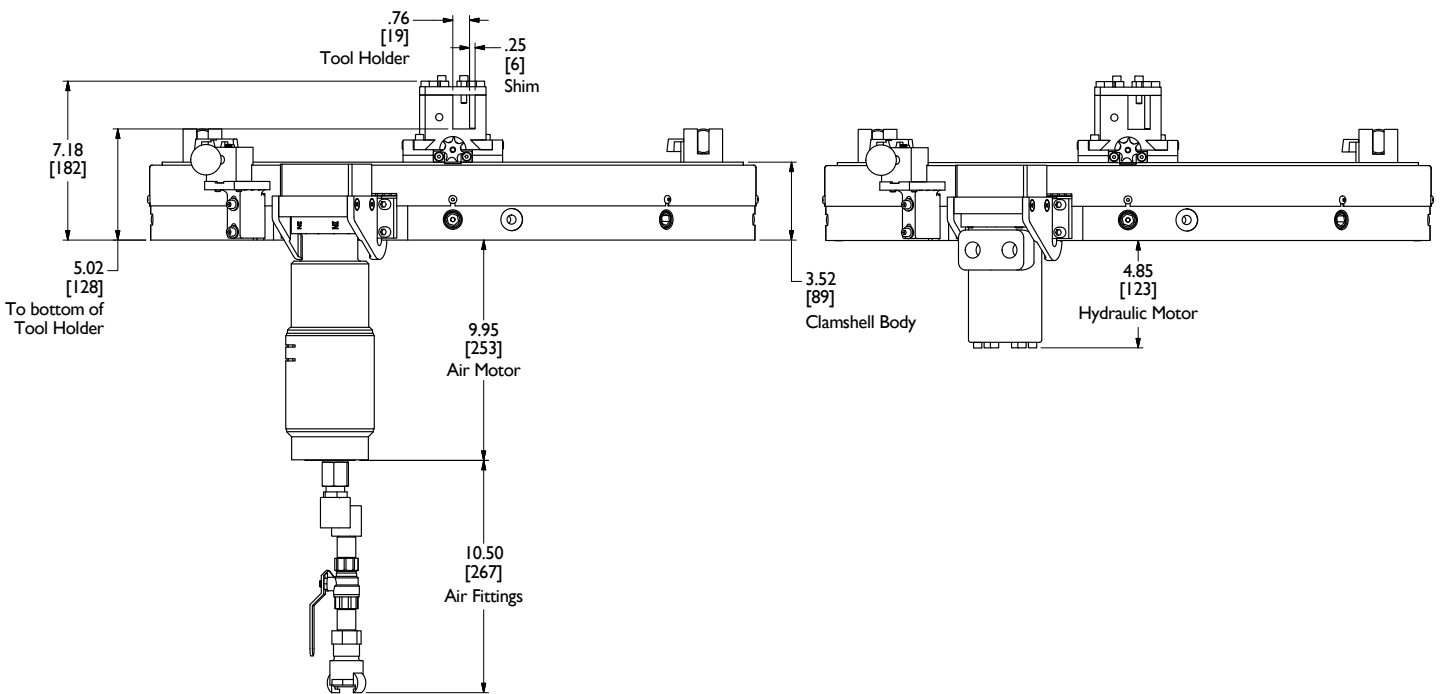
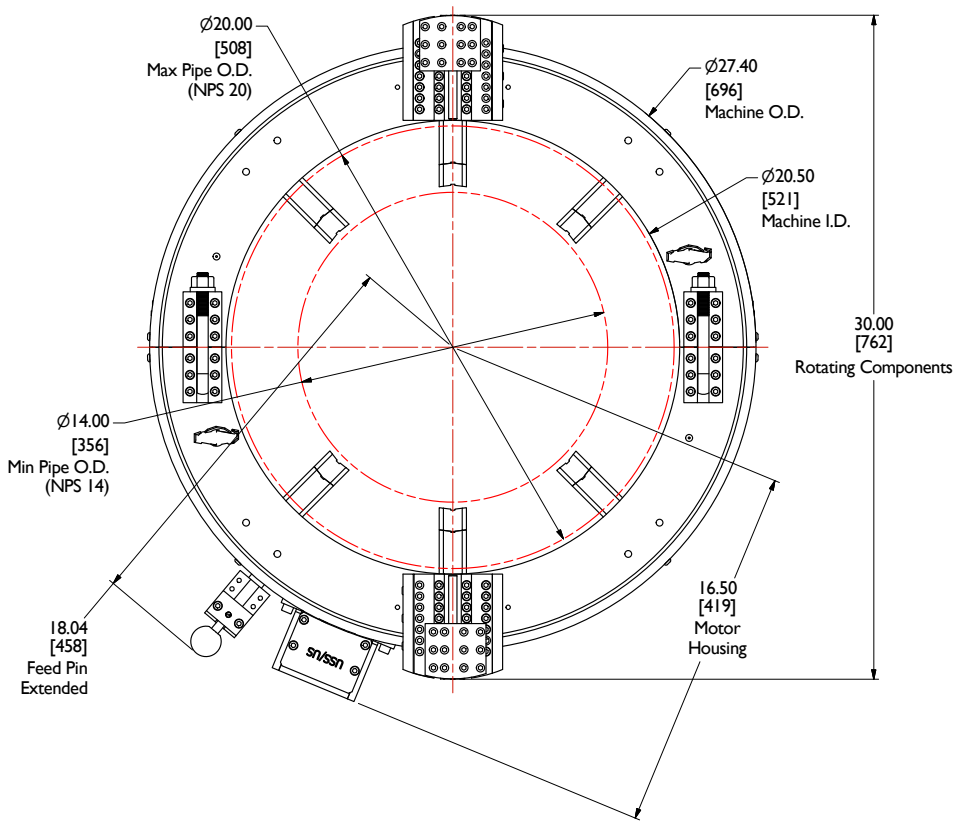
820USS Hydraulic Drive: 307 lbs. (139 kg)



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