

814LC CLAMSHELL LATHE

MACTECH PORTABLE MACHINING SOLUTIONS

Features

- Sever, Sever/Bevel and End Prep 8 to 14 inch diameter 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.



814LC 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.)
8 (8.625)	5S	0.109	8.407	12 (12.750)	5S	0.156	12.438
	10S	0.148	8.329		10S	0.180	12.390
	20	0.250	8.125		20	0.250	12.250
	30	0.277	8.071		30	0.330	12.090
	40ST, 40S	0.322	7.981		ST, 40S	0.375	12.000
	60	0.406	7.813		40	0.406	11.938
	80XS, 80S	0.500	7.625		XS, 80S	0.500	11.750
	100	0.594	7.437		60	0.562	11.626
	120	0.719	7.187		80	0.688	11.374
	140	0.812	7.001		100	0.844	11.062
10 (10.750)	XX	0.875	6.875		120, XX	1.000	10.750
	160	0.906	6.813		140	1.125	10.500
	5S	0.134	10.482		160	1.312	10.126
	10S	0.165	10.420	14 (14.000)	5S	0.156	13.688
	20	0.250	10.250		10S	0.188	13.624
	30	0.307	10.136		10	0.250	13.500
	40ST, 40S	0.365	10.020		20	0.312	13.376
	60XS, 80S	0.500	9.750		30, ST	0.375	13.250
	80	0.594	9.562		40	0.438	13.124
	100	0.719	9.312		XS	0.500	13.000
	120	0.844	9.062		60	0.594	12.812
	140, XX	1.000	8.750		80	0.750	12.500
	160	1.125	8.500		100	0.938	12.124
					120	1.094	11.812
					140	1.250	11.500
					160	1.406	11.188

Application Range

8.00 to 14.00 inch (203 to 356 mm) diameter pipe, NPS 8 to 14

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

814LC Air Drive: 102 lbs. (46 kg)
814LC Hydraulic Drive: 110 lbs. (50 kg)

Shipping Weights

814LC Air Drive: 226 lbs. (103 kg)
814LC Hydraulic Drive: 221 lbs. (100 kg)

Options

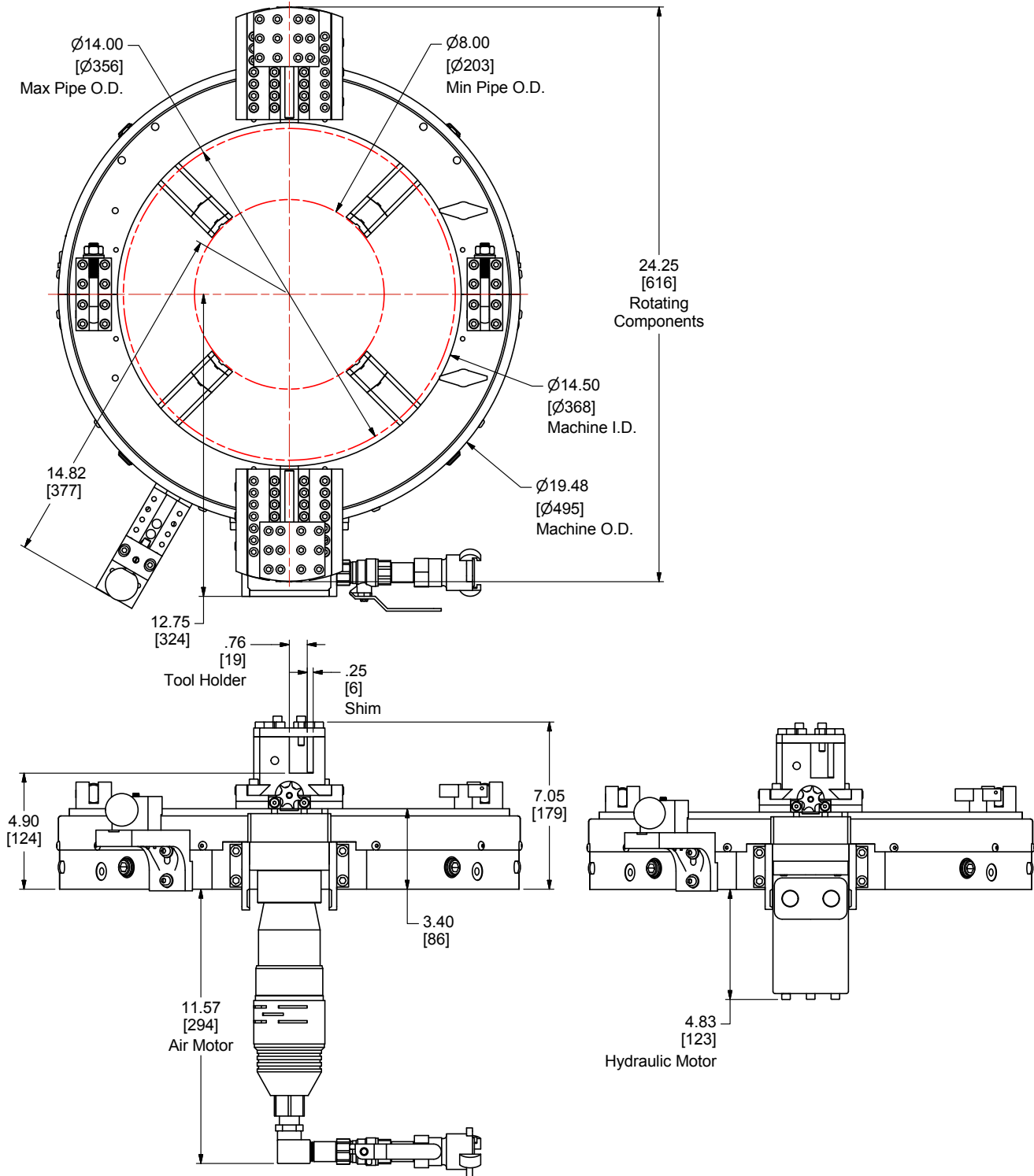
- Air, Hydraulic or Electric drives
- Full line of tool bits
- Right angle and reversible drives
- Single Point machining attachment
- Axial Feed machining attachment
- Counterbore/Facing attachment
- Hydraulic Power Unit

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ON-SITE MACHINING SOLUTIONS

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