

# 830USS CLAMSHELL LATHE

MACTECH PORTABLE MACHINING SOLUTIONS

## Features

- Sever, Sever/Bevel and End Prep 24 to 30 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.



## 830USS Nominal Pipe Size (NPS) Application Range

| Nominal<br>Pipe Size<br>(in.) | Schedule<br>No. | Wall<br>Thickness<br>(in.) | Inside<br>Diameter<br>(in.) | Nominal<br>Pipe Size<br>(in.) | Schedule<br>No. | Wall<br>Thickness<br>(in.) | Inside<br>Diameter<br>(in.) |
|-------------------------------|-----------------|----------------------------|-----------------------------|-------------------------------|-----------------|----------------------------|-----------------------------|
| 24<br>(24.000)                | 5S              | 0.218                      | 23.564                      | 26<br>(26.000)                | 10              | 0.312                      | 25.376                      |
|                               | 10, 10S         | 0.250                      | 23.500                      |                               | ST, 40S         | 0.375                      | 25.250                      |
|                               | 20, ST          | 0.375                      | 23.250                      |                               | XS, 80S         | 0.500                      | 25.000                      |
|                               | XS              | 0.500                      | 23.000                      | 28<br>(28.000)                | 10              | 0.312                      | 27.376                      |
|                               | 30              | 0.562                      | 22.876                      |                               | ST, 40S         | 0.375                      | 27.250                      |
|                               | 40              | 0.688                      | 22.624                      |                               | 20, 80S         | 0.500                      | 27.000                      |
|                               | 60              | 0.969                      | 22.062                      |                               | 30              | 0.625                      | 26.750                      |
|                               | 80              | 1.219                      | 21.562                      | 30<br>(30.000)                | 5S              | 0.250                      | 29.500                      |
|                               | 100             | 1.531                      | 20.938                      |                               | 10, 10S         | 0.312                      | 29.376                      |
|                               | 120             | 1.812                      | 20.376                      |                               | ST              | 0.375                      | 29.250                      |
| 140                           | 2.062           | 19.876                     | 20, XS                      |                               | 0.500           | 29.000                     |                             |
| 160                           | 2.344           | 19.312                     | 30                          |                               | 0.625           | 28.750                     |                             |

## 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

## Application Range

24.00 to 30.00 inch (610 to 762 mm) diameter pipe

## 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 m<sup>3</sup>/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

830USS Air Drive: 240 lbs. (109 kg)  
830USS Hydraulic Drive: 246 lbs. (112 kg)

### Shipping Weights

830USS Air Drive: 423 lbs. (192 kg)  
830USS Hydraulic Drive: 416 lbs. (189 kg)

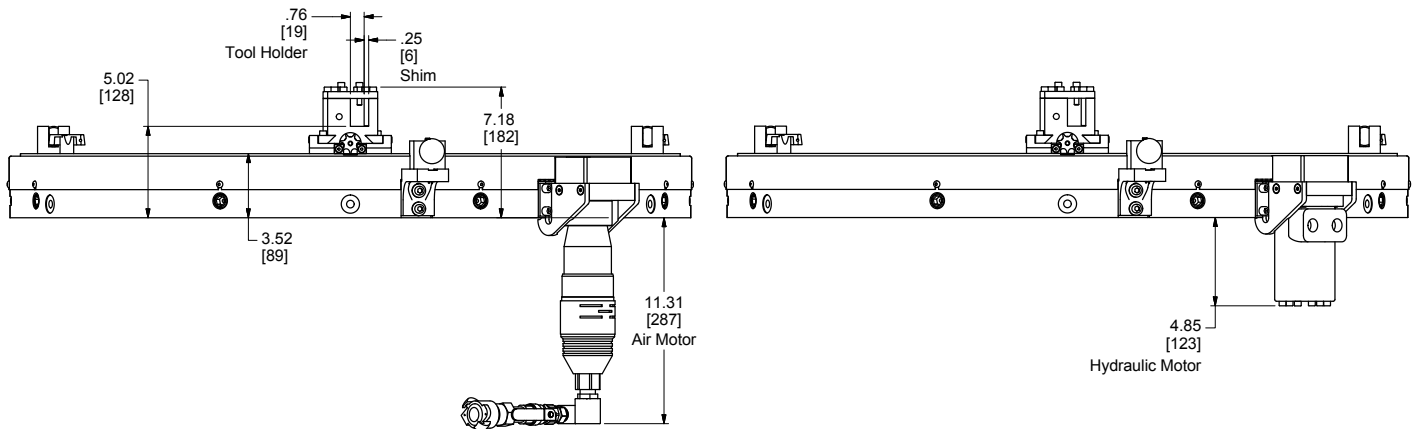
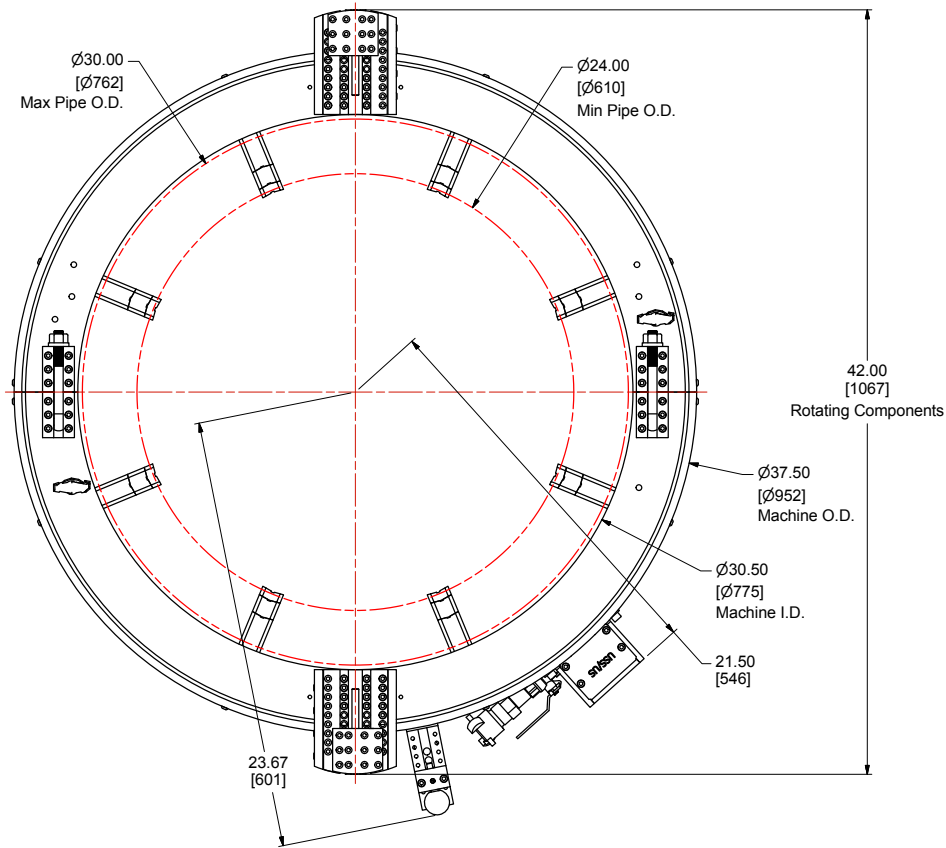


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