

# Manchester Tool and Die

## Model M78-H-3

### Model M78-H-3 Tube End Forming System

The Manchester model M78-H-3 is a hydraulically operated machine that uses a programmable three position rotary tool holder that is easily programmed to make one through three strokes. A simple adjustment determines the length of the stroke. This machine is the largest of the Manchester end formers and is ideal for forming large heavy wall tubing. Some of the many features and options available for this machine are listed on the other side.



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## MTD SPECIFICATIONS

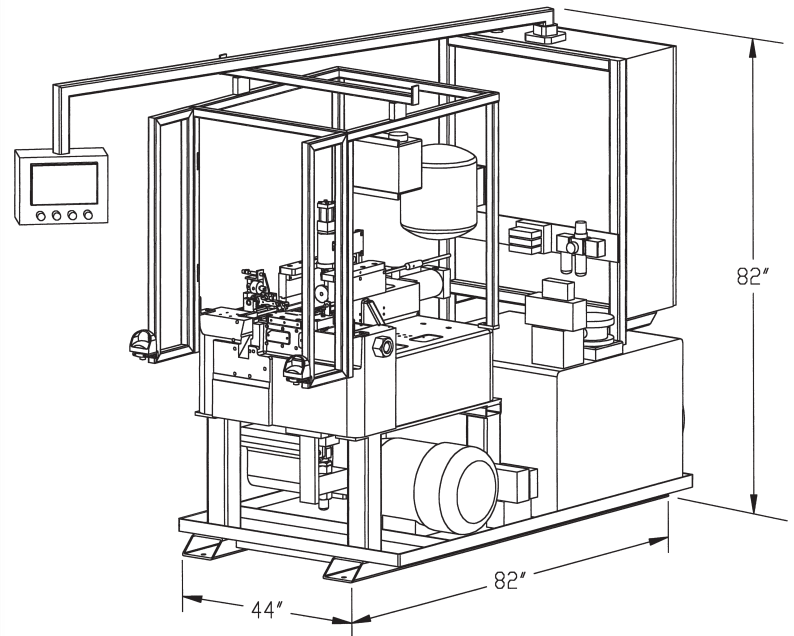
### Standard Equipment

- Cycle Time: 5-15 seconds\*
  - Tube O.D. Capacity: 3"
  - Maximum Jaw Opening: 3.25"
  - Ram Cylinder: 8" bore x 6" stroke
  - Ram Force: 50 tons (maximum)
  - Clamp Cylinder: 3-1/4" bore x 4-1/2" stroke
  - Clamp Force: 25 tons (maximum)
  - Hydraulic Unit: 20HP 33 GPM
  - Working Pressure: 1200 PSI
  - Maximum Pressure: 2500 PSI
  - Air Required: 40 to 80 PSI & 3 CFM
  - Electrical Required: Customer Specifications
  - 12 Month Warranty on Machines
- \* Cycle time depends on the application and optional equipment.

### Valuable Options

- Larger Hydraulic Unit
- Autoload & Unload Systems
- Longer Stroke Ram Cylinders
- Custom Cycle Start Initiators
- 6 Hit Capability
- Part Present Sensor
- Panelview Touch Screen
- Light Curtains
- Custom Painting

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Machine weight without oil is  
approximately 5,000 lbs.

### Advanced Features

- Easy Access for Tooling Changeover and Service
- 1 to 3 Hit Capability
- Compact Footprint



Manchester Tool & Die, Inc. also works with the  
customer to create machines for unique applications.

### Manchester Tool & Die, Inc.

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