

Rapid Precision Tube Sheet Facing

Model 202TS Tube Sheet Facer

The Model 202TS™ Tube Sheet Facer is an I.D. mounting machine tool for rapidly and reliably facing, squaring, and chamfering the ends of tubes and tube sheet bores in preparation for welding.

***The Champion of
Boiler Maintenance***



- Expanding mandrel provides fast, accurate self-centering alignment.
- Fast pneumatic clamping system.
- Patented lever feed system with depth stop.
- Torque accepting mandrel for operator safety.
- Mandrel shaft seal prevents contaminants from entering gears and internal parts.
- Hardened steel mounting blocks for maximum life and secure positioning.
- All tools needed for operation are included with the system.



TRI TOOL INC.

Specifications

Equipment Description

The Model 202TS Tube Sheet Facer is an I.D. mounted machine tool for rapidly and reliably facing, finish squaring, and chamfering the ends of tubes and tube sheet bores in preparation for welding.

Pipe / Tube Mounting and Cutting Capacities:

- Wall Thickness Capacity: Wall thickness of all standard tube sizes [0.187" (4.8mm) maximum] in the range listed. Contact Tri Tool for heavier wall procedures.
- Tube ID Mounting Range - Standard Mandrel - 0.77" (19.6mm) to 1.95" (49.5mm)
 1. Face Cutting Diameter Range: Minimum ID of .77" (19.6mm) Maximum OD of 2.375" (85.7mm)
 2. Counterboring Operations: Minimum ID of 1.00" (25.4mm) Maximum OD of 2.00" (50.8mm)
- Tube ID Mounting Range - Optional Small Mandrel: - 0.50" (12.7mm) to 0.78" (19.8mm) ID.
 1. Face Cutting Diameter Range: Minimum ID of 0.50" (12.7mm) Maximum OD of 1.19" (30.2mm)
 2. Counterboring Operations: Minimum ID of 0.50" (12.7mm) Maximum OD of 0.75" (19.1mm)
- Tube Removal: Tube removal cutting procedures can be accomplished on tube with ID's of 0.50 to OD's of 2.375 provided the width of cut does not exceed 0.187" (4.75mm). Contact Tri Tool for options and recommendations.

Material Cutting Capabilities:

Mild steels, chrome steels (Rc 35 Max), stainless steel, copper nickel alloys and aluminum. Note: Inconel and some other high temperature alloys may require special procedures as a function of wall thickness and type of end preparation. *Contact Tri Tool Engineering for info.*

Rotating head dia.:

2.0" (50.8 mm)

Weight:

16.5 lbs. (7.5 Kg)

Drive System:

Gear driven final drive

Pneumatic Motor:

Free speed 400 rpm (max HP speed 200 rpm)

Power supply:

Pneu. motor requires 30 cfm (14 L/s) air supply at 90 psi (621 kPa) for maximum HP delivery Note: Air Supply must have a filter/regulator/lubricator (FRL) system to protect the warranty.

Cutting Head Speed:

275 rpm (138 rpm at max HP)

Functional Speed Range:

35 - 200 rpm

Speed Control:

On/Off safety lever valve and trigger air flow control valve

Mounting:

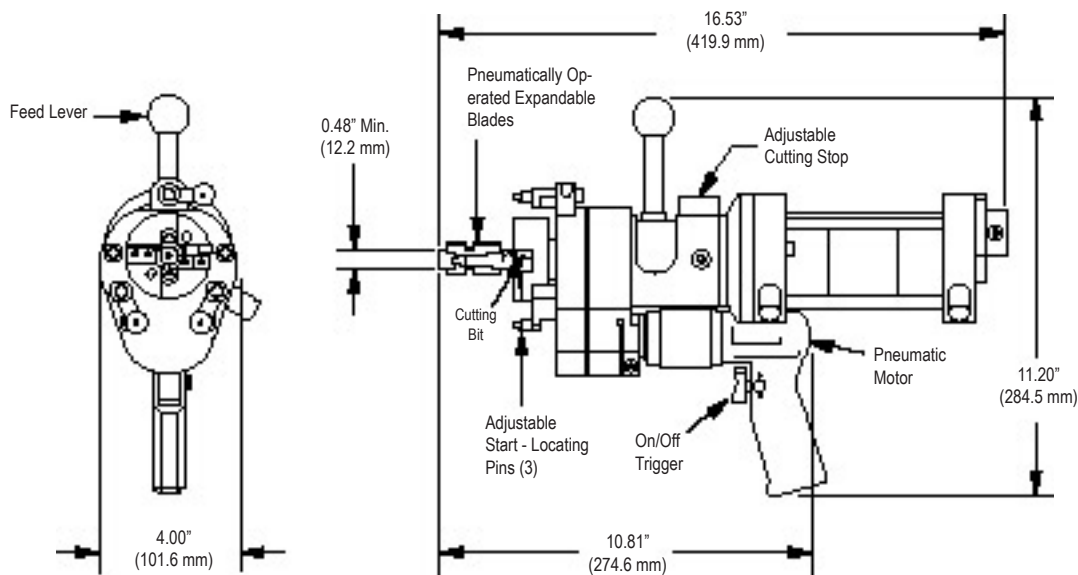
Pneumatically actuated draw rod expands mandrel ramps and jaw blocks

Feed:

Manual - A lever arm actuated feed provides (.560" (14.2 mm) travel)

Depth Stop:

Adjustable



Save time and money with dependable Tri Tool® tube and pipe equipment!



TRI TOOL INC.

3041 Sunrise Blvd. • Rancho Cordova, CA 95742
(800) 345-5015 • (916) 288-6100 • Fax (916) 288-6160
www.tritool.com

© Copyright Tri Tool Inc. All rights reserved.
Printed in the USA PN-0 [0605]