

# SPECIFICATIONS

## Standard Press Welders

### Introduction to Press Welders

- Press Welding Machines are very versatile and offer the more ideal means of achieving welding pressure in a uniform, linear motion as compared to Rocker Arm Welders that have a radial motion as the tips come in contact.
- Applications that are well suited for Press Welder include:
- Spot Welding – light to heavy gauge steels as well as aluminum
- Projection Nuts – Hex, Square, Flange or Round Boss Styles
- Projection Studs – Multi-Projections or Ring Projections
- Projection Brackets – popular in automotive and commercial industries
- Accessibility remains available using Offset Holders, Offset Tips and Custom Tooling
- Higher electrode forces are available with Press Welders as compared to Rocker Welders
- T-Slotted Platens offer the ability for Interchangeable Custom Welding Fixtures



### General Features

- T-Slotted Platens and/or Welding Arms for Spot, Nut and Stud Welding; all machines include a variety of easy-to-change welding consumables for any application.
- Air System includes Manual Lockout, Port Block, Filter/Regulator/Lubricator, Modular Valve. TRC will use any brand you specify – SMC, Norgren, Parker, Bosch, Numatics and others.
- Sequence initiation is carried out by using either a Heavy-duty LineMaster Foot Switch or Dual Opto-touch Buttons with Anti-tiedown Circuitry. Safety is of paramount importance and TRC staff will help insure your welder is safe for Foot Switch use. Our Unitrol Soft Touch Pinch Point Safety Controllers meet your need for optimal safety!
- TRC utilizes RoMan Machine-Style Welding Transformers, Water-cooled, Tap Switches
- Weld Control to be the brand of your choice – WTC, Entron, Unitrol and others.
- All TRC Welders include Water Flow Switches, Visual Flow Indicators, Temp Gauges
- Available in Conventional AC or MFDC Inverter Control Systems.
- All Welding Machinery offered by TRC is Designed and Build in Chattanooga, TN, USA

### Additional Details

- Throat Depths from 12" to 48" are standard; special throat depths available
- Welding transformers are sized to suit, with currents available from 2,500 amps to 80,000 amps plus.
- Welding Cylinders available from 6" Bore (2800lbsf) to 12" Bore (11,300lbsf)
- Secondary circuits are of machined copper – no brass
- Standard T-Slotted Platens designed per RWMA standards and other special sizes
- Standard or Special Electrode Holders, Welding Arms from 2" to 3-1/2" Diameter with SS End Caps
- Lower Knee Assemblies are adjustable vertically to provide versatility for a variety of application
- Heavy-duty, robust frame design with Fork Channels for ease of transport
- Ram Assemblies include design options using robust cam followers/ways or profile rails/carriages. Water Distribution features visual flow indicators, manual shutoffs and water flow switches

### Types of Standard Welders

Rocker Arm

Press Projection-Spot

Bench Type

Seam

Butt

