

## RS™ Roto-Shuttle Cell Brazzer



### Features

- Load one part while one is brazing
- Palm Buttons for Operator Safety
- Optional Light Curtains
- Lexan Enclosure with SS Exhaust Hood
- Quick Change Tooling and Torch Manifold
- Fixed or Oscillating Torch Manifold
- Digitally Controlled Variable Speed Blower System

### Benefits

- Repeatable machine-controlled processes
- Dedicated processes deliver better than 99.8% FTTC
- Production rates up to 90 parts per hour
- Digital Operator Interface for quick changeover, diagnostic messages and preventative maintenance scheduling

## **MACHINE SPECIFICATIONS**

### **MECHANICAL**

- ◆ Rigid welded frame with enclosure panels and floor leveling pads
- ◆ Overall footprint of 3' X 3'
- ◆ Heavy-duty 32" stainless steel water troughs
- ◆ Selectable Oscillation System
- ◆ Centrally located utilities facilitates lockout/tagout procedures
- ◆ Machine coated with corrosion-resistant paint

### **ELECTRICAL**

- ◆ Programmable Logic Controller
- ◆ Digital Operator Interface including Automatic Message Display
- ◆ Failure Diagnostic and Preventative Maintenance System
- ◆ NEMA 12 Electrical Enclosure
- ◆ 110 VAC power—All logic controls 24 Volt DC
- ◆ Light tower for monitoring machine status
- ◆ Self-teach Programming System

### **HEAT SYSTEM**

#### **GAS & AIR COMBUSTION SYSTEM**

- ◆ Electronic Variable Blower Gas/Air Combustion System
- ◆ Hi/Lo Burner Control System for fuel conservation
- ◆ Gas flow meter and manometer
- ◆ Nickel-plated torch manifolds
- ◆ All stainless steel torches, fittings, and tubing



#### **GAS & OXYGEN COMBUSTION SYSTEM**

- ◆ Gas/Oxygen mixing system
- ◆ Hi/Lo Burner Control System for fuel conservation and to prolong fixture life
- ◆ Gas and oxygen flow meters
- ◆ Flash back arresters
- ◆ Gas and Oxygen line regulators
- ◆ All stainless steel manifolds, fittings, and tubing



### **PROCESS**

- ◆ Repeatable machine-controlled production process
- ◆ Post braze adjustable air and water cooling
- ◆ Long life stainless steel tooling designed for thermal resistance and error proof loading of parts

### **GENERAL**

- ◆ Trial run, acceptance, and training of your representatives in our facility is included
- ◆ Machine manuals including electrical, gas system, and utilities are provided
- ◆ Tooling/Fixture assembly drawings, spare parts lists, and program logic is included

### **OPTIONAL FEATURES**

- ◆ Quick-change Manifolds and Tooling
- ◆ Automatic and Semi-Automatic Dispensable Flux Applicator Systems
- ◆ Automatic Filler Alloy Wirefeed Systems with protective spool covers
- ◆ External Oxidation-Reduction Gas Flux Injection System
- ◆ Nitrogen part purge system
- ◆ Infrared High Temperature Optical Pyrometer System
- ◆ Optical Pyrometer safety system to determine final part temperature before operator unload
- ◆ Lexan Draft Reduction System with 16 gauge Stainless Steel Exhaust Hood System and overhead Fluorescent Inspection Light
- ◆ Exhaust flow sensor
- ◆ Exhaust temperature sensor
- ◆ Corrosion-resistant Waste-water Reservoir and Sump Pump System
- ◆ Heavy-duty stainless steel material holding trays



### **Talk to us about:**

- ◆ **Your Automation Needs**
- ◆ **Retooling Current Equipment**
- ◆ **Upgrades and Refurbishments**
- ◆ **ISO Registration**

Contact our area representative at:

**Web: <http://www.brazingsystems.com>**

**Precision Engineered Systems, LLC, 225 Fentress Blvd., Daytona Beach, FL 32114**

**Phone: 386-238-5886—Toll-Free: 888-272-0464—Fax: 386-238-7997**

**Email: [sales@brazingsystems.com](mailto:sales@brazingsystems.com)**