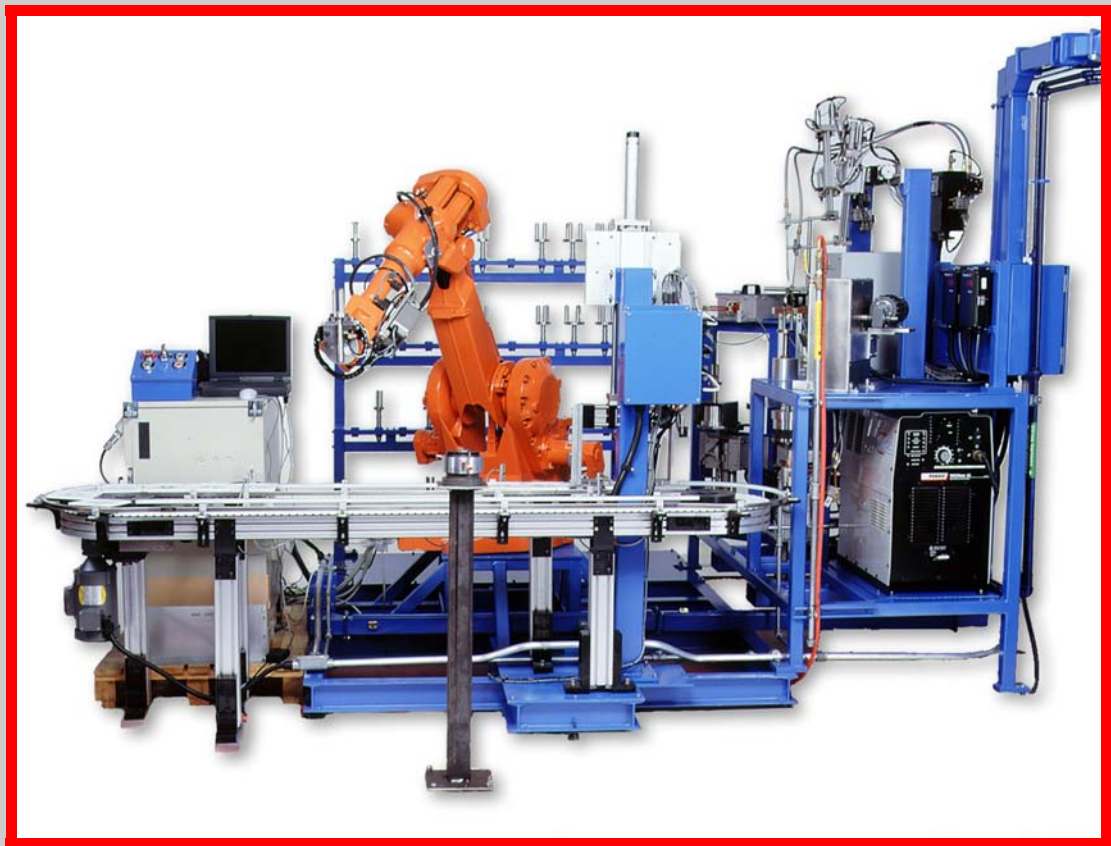


Custom Robotics and Induction



Benefits

- Custom-designed to meet your application
- Repeatable machine-controlled processes
- Dedicated processes deliver better than 99.8% FTTC
- High production rates
- Multiple applications
- Digital Operator Interface for quick changeover, diagnostic messages and preventative maintenance scheduling

MACHINE SPECIFICATIONS

MECHANICAL

- ◆ Rigid welded frame with enclosure panels and floor pads
- ◆ Heavy-duty stainless steel water trough
- ◆ Heavy-duty stainless steel covered aluminum tooling plate
- ◆ Centrally located utilities facilitates lockout/tagout procedures
- ◆ Machine coated with corrosion-resistant Safety Blue paint

ELECTRICAL

- ◆ Programmable Logic Controller
- ◆ Digital Operator Interface including Automatic Message Display
- ◆ Failure Diagnostic and Preventative Maintenance System
- ◆ NEMA 12 Electrical Enclosure
- ◆ 240/480 VAC power—All logic controls 24 Volt DC
- ◆ Light tower for monitoring machine status

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
- ◆ Timed Igniter Wand
- ◆ 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 fittings, and tubing



INDUCTION

- ◆ Custom-designed power supplies and coils for your application



PROCESS

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

GENERAL

- ◆ A one-day 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

- ◆ Multi-tiered Process Stations
- ◆ Automatic Dispensable Flux Applicator Systems
- ◆ Automatic Filler Alloy Wirefeed Systems with protective spool covers
- ◆ Alloy consumption indicator
- ◆ Alloy low level warning indicator
- ◆ 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
- ◆ Sliding/removable Lexan® Door Enclosure System including overhead Fluorescent Inspection Light and Halogen Setup Lamp
- ◆ 16 gauge stainless steel exhaust hood
- ◆ Exhaust flow sensor
- ◆ Exhaust or machine enclosure temperature sensor
- ◆ Corrosion-resistant Wastewater Reservoir and Sump Pump System
- ◆ Temperature controlled recirculating quench water 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.pesdaytona.com>

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

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