KEY FEATURES

• **Productivity**
  • Fast index time reduces overall weld cycle time
  • Multiple robot configurations
  • Design allows automated unload of parts from weld station

• **Functionality**
  • Quick installation – robot, positioner and controls on unitized base
  • High utilization of robot work envelope with center robot design
  • Safer robot programming with center mounted robot
  • Center mount robot design reduces required floor space
  • Cost efficient pneumatic main sweep design

• **Reliability**
  • Pre-engineered, proven design
  • Single source responsibility
  • 24-hour support service

• **Flexibility**
  • Able to accommodate large tool lengths, swing diameters and high weight capacity
  • Easily configured to meet application requirements

**The Versa RC3L center mount robot design maximizes the utilization of the robot work envelope placing the robot in the center of the three-axis turntable and closer to the workpiece.**

INNOVATION AND EXPERIENCE FROM YOUR SINGLE SOURCE

**Base Positioner Configuration**

- Main axis - pneumatically driven
- Main sweep index time: 4.5 to 6.0 seconds
- Minor axis – dual servo driven trunnions
  - Tool length: 60-inches (1524-mm)
  - Tool swing diameter: 40-inches (1016-mm)
  - Weight capacity: 1,200-lbs (544-kg)

**Base Component Configuration**

- FANUC ArcMate 100iC or Panasonic TA-1400 G3
- Lincoln i400 or Miller Auto Access 300
- Tregaskiss, Binzel or TBi air-cooled through arm torch
- Genesis torch alignment package
- Safety package (includes light curtains, gate interlock and barriers)
- Genesis Allen-Bradley controls package with L1 processor
- Rotary ground
**Standard Dimensional Specifications**

- **Tool length (TL)**
  - 60-inches (1524-mm) to 96-inches (2438-mm)
- **Tool swing diameter (SD)**
  - 40-inches (1016-mm) to 48-inches (1219-mm)
- **Load height (LH)**
  - 36-inches (914-mm)
- **Cell width (CW)**
  - 250-inches (6350-mm) to 275-inches (6985-mm)
- **Cell depth (CD)**
  - 245-inches (6223-mm) to 271-inches (6883-mm)
- **Cell height (CH)**
  - 93-inches (2362-mm)

**Standard Capacity Specifications**

- **Weight capacity**
  - 1,000-lbs (453-kg)
- **Engineering specifications for 1,000-lbs capacity per station**
  - Gearbox rated torque 4705Nm
  - Gearbox ratio 253:1
  - Gearbox maximum moment 20,580Nm
  - Motor maximum RPM 4,000
  - Motor torque output 18Nm
  - Nominal acceleration .5 seconds
  - 180-degree index time 5.0 seconds

**Standard Platform Options**

- Tool length 72-inches, 84-inches, 96-inches
- Tool Swing diameter 48-inch
- Exposed power track cable carrier system
- Smoke hood and extraction system
- Off-line programming
- LaunchIT or standard installation
- Training programs (basic, advanced, maintenance, off-line, CRAW)
- Intelligence Center™

**Standard Component Options**

- Robot models: FANUC, Panasonic, Motoman
- Process gear: Miller, Lincoln, Fronius, Thermadyne, Hypertherm
- Welding torches: Tregaskiss, Binzel, TBI, Fronius
- Torch cleaners: Tregaskiss, Binzel, TBI
- Controls: PanelView 1000+ Compact

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Real time status, alarms, historical trends, critical parameters and automatic backup of your workcell anywhere, anytime.