KEY FEATURES

- **Productivity**
  - Fast index time reduces overall weld cycle time
  - Multiple robot configurations
  - Center mount robot design allows automated unload of parts from weld station

- **Functionality**
  - Quick installation – robot and positioner on unitized base
  - High utilization of robot work envelope with center robot design
  - Safer robot programming with center mount robot
  - Center mount robot design reduces required floor space
  - Cost efficient servo 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 GenS 3XC, servo-driven 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.

**Base Positioner Configuration**
- Main axis - servo driven
  - Main sweep index time: 4.5 to 5.0 seconds
- Minor axis – dual servo driven trunnions
  - Tool length: 2.0-meters (78-inches)
  - Tool swing diameter: 1.25-meters (49-inches)
  - Weight capacity: 1,000-kilograms (2,204-lbs)

**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

INNOVATION AND EXPERIENCE FROM YOUR SINGLE SOURCE
Standard Dimensional Specifications

- **Tool length (TL)**: 2.0-meters (78-inches) to 3.0-meters (118-inches)
- **Tool swing diameter (SD)**: 1.25-meters (49-inches)
- **Load height (LH)**: 1.0-meter (39-inches)
- **Cell width (CW)**: 3490-mm (137-inches) to 4510-mm (177-inches)
- **Cell depth (CD)**: 4490-mm to (176-inches) to 5510-mm (216-inches)
- **Cell height (CH)**: 2600-mm (102-inches)

Standard Capacity Specifications

- **Weight capacity**: 1,000-kilograms (2,204-lbs)
- **Engineering specifications for 1,000-kilograms capacity per station**
  - **Main axis**
    - Out of balance - Station A to Station B 900-kilograms
    - 180-degree index time under 5.0 seconds
  - **Minor axis**
    - Gearbox rated torque 1617Nm
    - Gearbox ratio 161:1
    - Gearbox maximum moment 2940Nm
    - Motor maximum RPM 4,000
    - Motor torque output 12Nm
    - Nominal acceleration .5 seconds
    - Allowable tool out of balance torque 250Nm
    - 180-degree index time 2.0 seconds

Standard Platform Options

- **Tool length**: 2.5-meters, 3.0-meters
- **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

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