



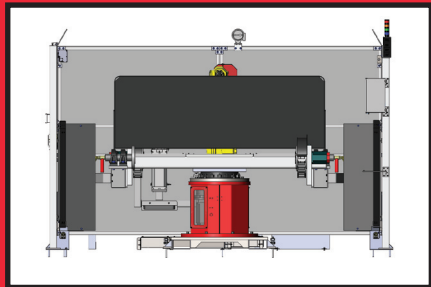
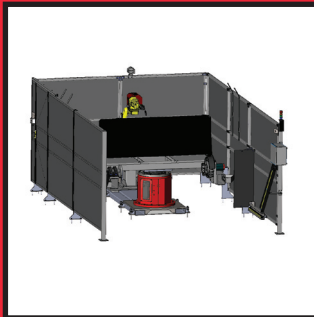
# GenS 3X



## KEY FEATURES

- **Productivity**
  - Fast index time reduces overall weld cycle time
  - Multiple robot configurations
- **Functionality**
  - Quick installation – robot and positioner on unitized base
  - 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 3X, a three-axis servo-driven turntable system, can handle high volume production parts that require repositioning during the weld cycle.*



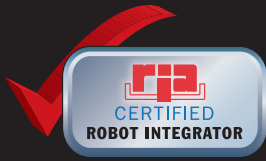
### Base Positioner Configuration

Main axis - servo driven	
Main sweep index time	4.5 seconds
Minor axis – dual servo driven trunnions	
Tool length	1.5-meters (59-inches)
Tool swing diameter	1.25-meters (49-inches)
Weight capacity	900-kilograms (1,984-lbs)

### Base Component Configuration

- FANUC ArcMate 100iC or Panasonic TA-1400 G3
- Lincoln i400 or Miller Auto Axxess 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

# GenS 3X



## Standard Dimensional Specifications

- Tool length **TL**  
1.5-meter (59-inches) to 2.5-meters (98-inches)
- Tool swing diameter **SD**  
1.25-meters (49-inches)
- Load height **LH**  
1.0-meter (39-inches)
- Cell width **CW**  
5870 mm (231-inches) to 5870 mm (31-inches)
- Cell depth **CD**  
5110 mm (201-inches) to 5650 mm (222-inches)
- Cell height **CH**  
2545 mm (100-inches)

## Standard Capacity Specifications

- Weight capacity  
900-kilograms
- Engineering specifications for 900-kilogram capacity per station
  - Main axis
    - Out of balance – Station A to Station B 450-kilograms
    - 180-degree index time under 4.5 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

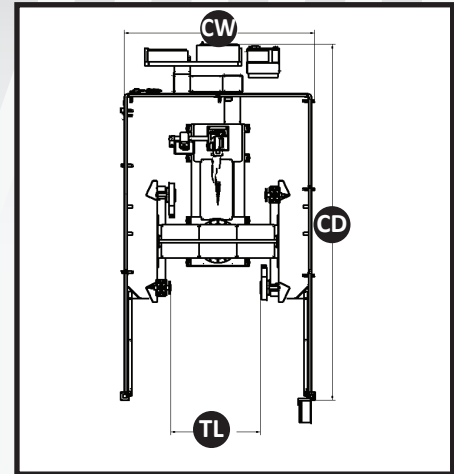
## Standard Platform Options

- Tool length 2.0-meters, 2.5-meters
- Exposed power track cable carrier system
- Robot bridge (configured for one to three robots)
- Smoke hood and extraction system
- Off-line programming
- LaunchIT or standard installation
- Training programs (basic, advanced, maintenance, off-line, CRAW)
- Intelligence Center™

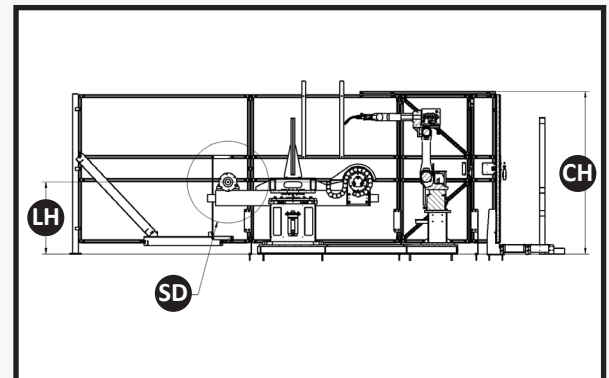
## Standard Component Options

- 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

## TOP VIEW



## SIDE VIEW



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