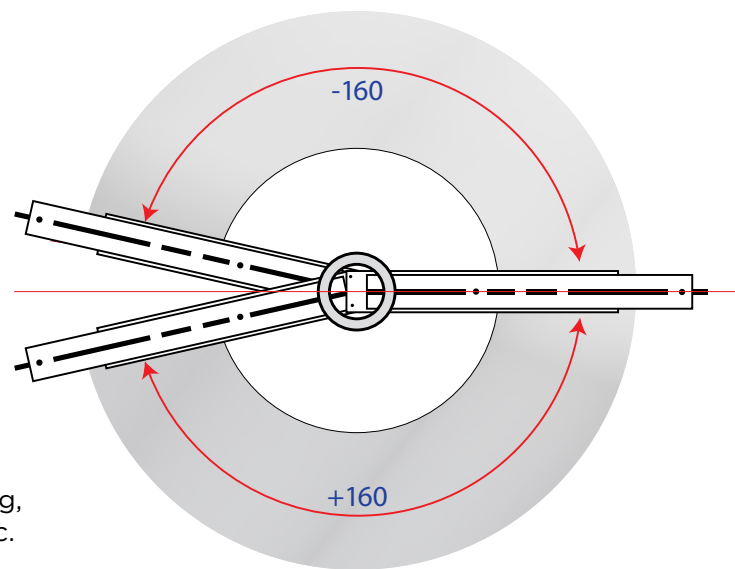
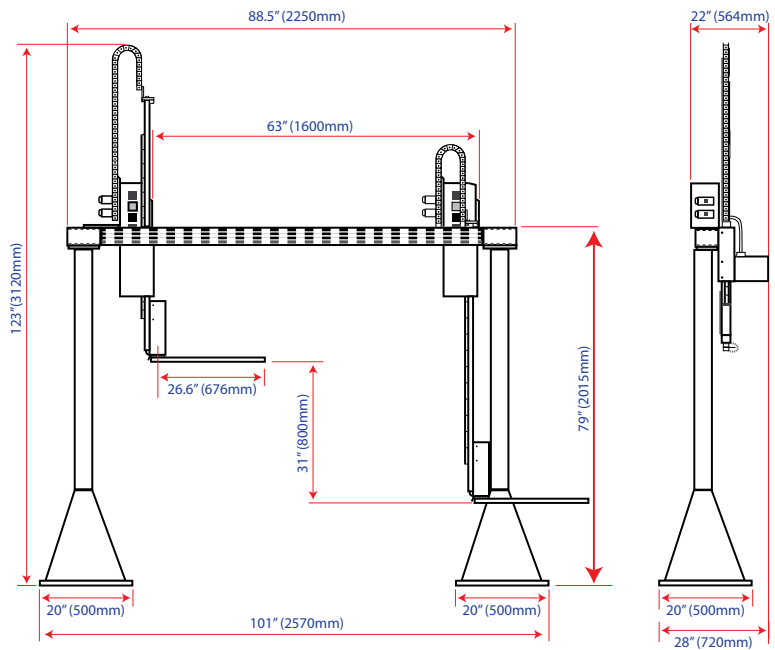


The RAZA Robot

Technical Specifications



- Model:** RAZA - 4 Axis Gantry/Cartesian Robot
- Payload Capacity:** 11 Pounds (5kg)
- Pilaster Footprint:** 19.5" (500mm) x 19.5" (500mm)
- Controller Footprint:** 19.5" x 27.5" x 15.7"
500mm x 700mm x 400mm
- Machine Weight:** 661 Pounds (300 kg)
- Power Cable Length:** 10 feet (3 meters)
- Safety:** Two position Emergency Stop pushbutton on the pendant
- Environmental:** Temperature: 0°-50° celsius
Humidity: 30% - 85%
- Power Requirements:** 220V, 50HZ
- X Axis Travel:** 63" (1600mm) ±.2" (5mm)
- X Axis Speed:** 31.5" (833.3mm) per second
- Z Axis Travel:** 31.5" (800mm) ±.2" (5mm)
- Z Axis Speed:** 26.2" (666.7mm) per second
- RX Axis Radius:** +160°±5°/-160°±5°
- RX Axis Speed:** 720°per second
- RY Axis Angle:** +160°±5°/-160°±5°
- RY Axis Speed:** 180°per second
- Workspace Radius:** 26.6" (676mm) ±.2" (5mm)
- Digital I/O Ports:** 4 user inputs, 4 user outputs
- Robot Programing:** Touchscreen interface on a 7" color LCD
- Pendant Dimensions:** 8.625" x 8.25" x 1.5"
219mm x 209mm x 38mm
- Program Memory:** 256M Flash, 128M Drive, 100+ projects
- Applications:** Material handling, palletizing, pick and place, water jet cutting, plate welding, friction welding, laser cutting, spraying, fastening, screw driving, etc.



The work space ranges are factory default settings. These ranges can be customized. The end-of-arm tool will affect the overall workspace area. A 5th axis can be added as an EOA modification.