

Complete

Robotic

Welding

Workcell



Versa RCT



**LEANER- MEANER
MANUFACTURING**



Put an end to
robot waste

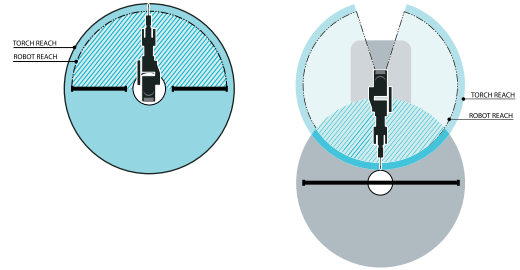


Shrink required
manufacturing space



Enhance operator safety

The center-mounted robot design reduces required floor space by up to 35%, while increasing usable robot work envelope.



BENEFITS

- Patented design matches table work surface to robot work envelope
- Exclusive center-mounted robot design maximizes usable robot work envelope by placing robot closer to the workpiece
- Provides easier and safer robot programming
- Heaviest payload, largest table diameter and fastest exchange time
- Unitized base—easily transported, improves repeatability

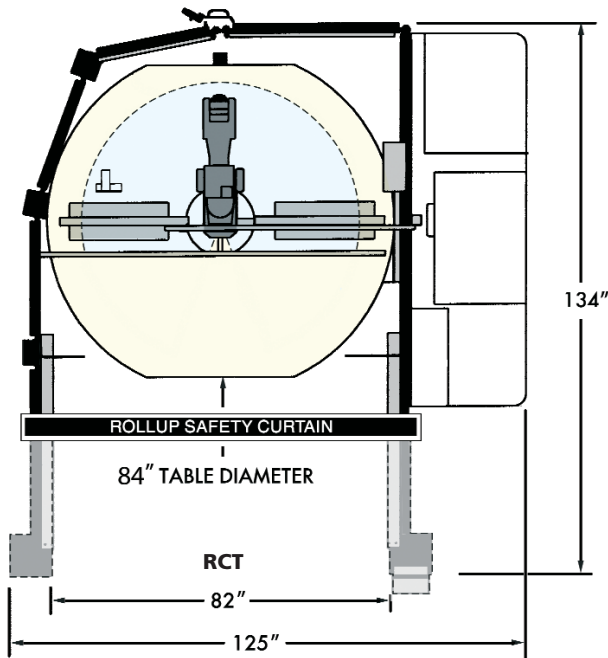
FAST AND FLEXIBLE

The Versa RCT is a flexible turntable robotic welding and cutting workcell. The workcell handles high-volume, medium-sized production parts with industry leading payload and exchange time. The patented, center mounted robot design maximizes the utilization of the robot work envelope by placing the robot in the center of the turntable and closer to the workpiece. This makes it possible for a smaller robot to accomplish the same job as a larger robot in the traditional rear-mounted design.

Meeting the demands of today's manufacturing environments.

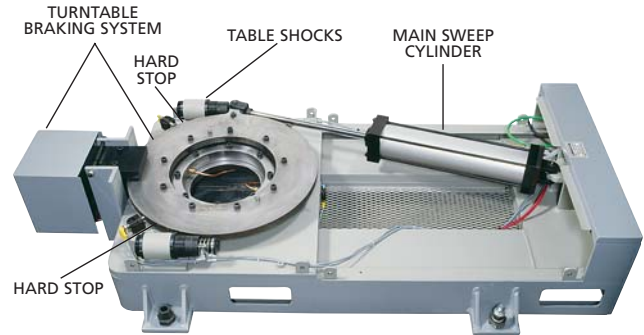
Versa RCT

COMPLETE ROBOTIC WELDING WORKCELL



The Electric Rollup Safety Curtain option results in workcell space savings of 27%.

RCT accommodates table diameter of 84", while the RCTL allows for table diameter of 96".



PATENTED EXCHANGE AXIS ADVANTAGE

- 1 FASTER:** With the fastest exchange time, there is less robot idle time, ultimately increasing production efficiency.
- 2 HIGH WEIGHT CAPACITY:** This patented design is able to manage heavier loads, even when unbalanced.
- 3 LOW COST:** The simple and efficient design allows for easy and low cost maintenance.
- 4 HIGH ACCURACY:** The hard stop provides accurate part positioning for high quality welds.
- 5 BRAKE:** The external braking system provides extremely quick stopping power and eases stress on internal mechanisms.

FEATURES

- Complete turnkey workcell
- Heavy duty turntable design
- 4-5 second exchange speed– fully loaded
- Integrated positioner and robot base
- Operator safety– light curtains, gate interlocks and fence; optional Electric Rollup Safety Curtain
- Multiple configurations– robot models, power supplies table diameter, load heights
- Robot and torch alignment station
- Workcell documentation– searchable CD and hard-copy format
- Comprehensive system training and installation assistance
- Single source service responsibility

WORKCELL SPECIFICATIONS

Table Diameter..... 84", 96"

Weight Capacity 84" table - 750 lbs. per side
..... 96" table - 1,500 lbs. per side

Safety Package..... Light curtains, gate interlocks, fence

Load Height Adjustable from 16.75" up

OPTIONS

- Fixture design and build
- Part programming
- Weld process development
- Water-cooled torch
- Custom paint
- Thermal processes
- Electric Rollup Safety Curtain
- Twin, triple and quad robot configuration
- Power Track Cable Carrier System
- Heavy base
- Seam tracking
- Touch sensing
- Reamer with anti-spatter
- Reamer with wire snip
- Double Check– tool center point checking device

Versa-Systems are flexible, easy to use, high performance, low cost pre-engineered workcell platforms. They reflect years of welding automation know-how and are able to meet a wide range of robotic welding applications. Call the Genesis Sales Department for a FREE application analysis. Genesis will carefully evaluate your needs and application to ensure the best solution.



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