TranTek Systems pre-engineered automation cells are cost-effective and offer the following features and benefits:

- Common bases for ease of installation and start-up
- Work cell design is adaptable to multiple configurations and applications
- Available with tooling for a turn-key single source solution
- Pre-engineered for shorter lead-times
- Low investment cost
- PLC/HMI and other features of high technical content are included
- Safety PLC is standard
- Customer selectable component options in base price
- Compatible with all robot manufacturers
- Easy tool accessibility from rear entry doors
- Obstruction-free cell access with hidden cable routing
- Preconfigured PLC/HMI base programs for easy start-ups
Standard Specifications

D2000 Ultrasonic Option

CAPACITIES

Max Weight Total
1300 pounds (590 kg)

Max Weight Per Side
500 pounds (227 kg)

Index Time 180°
2 seconds

WORK CELL DIMENSIONS

“A” - Dial Diameter
72” (1829mm)

“B” - Front Opening Width
111.8” (2839.8mm)

“C” - Overall Width
123.00” (3124mm)

“D” - Overall Length
195.19” (4957.8mm)

“E” - Dial Height
30.55” (775.9mm)

“F” - Opening Height
29.45” (748.1mm)

“G” - Overall Height
94.13” (2390.8mm)

INCLUDED FEATURES

Dial Indexer with Plate
Robot 7th axis controlled indexer

Light Curtains
25mm resolution cascadable

Cell Lighting
Industrial led light bars

Robot Riser
300 & 620mm height

Two Safety Gates
Solenoid locking with internal release with lock-out

Integrated Cell
Functionally programmed cell ready for tooling

Stack Light
3 color red, amber & green

Operator Runbar
Cycle start OPTO-Touch & E-Stop

PLC (Choice Of)
AB CompactLogix Safety Processor
5069 L320ERS2
Siemens SIMATIC S7-1500 F

HMI (Choice Of)
AB PanelView Plus 7-10”
Siemens TP1200 Comfort Panel

Paint Color (Choice Of)
Any RAL color pallet
Industrial enamel

Panel Color
Red, blue or charcoal 1/4” polymer

Viewable Windows
1/4” clear polycarbonate panel

PLC Main Panel
Low voltage control panel (24vdc)

Power Distribution Panel
High voltage control panel (120vac-480vac)

Quick Disconnect Tooling Features
Ethernet i/o available at tooling

FRL & Drip Leg
1/2” drip leg, filter regulator & lock-out

OPTIONAL FEATURES

Remote Access
For off-site support

Weld Package(S)
Torch, reamer, power source, wire feeder & misc.

Light Hood
For vision applications

Robots
One or two

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