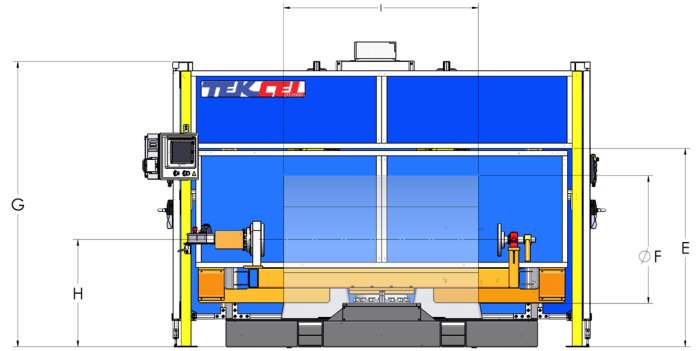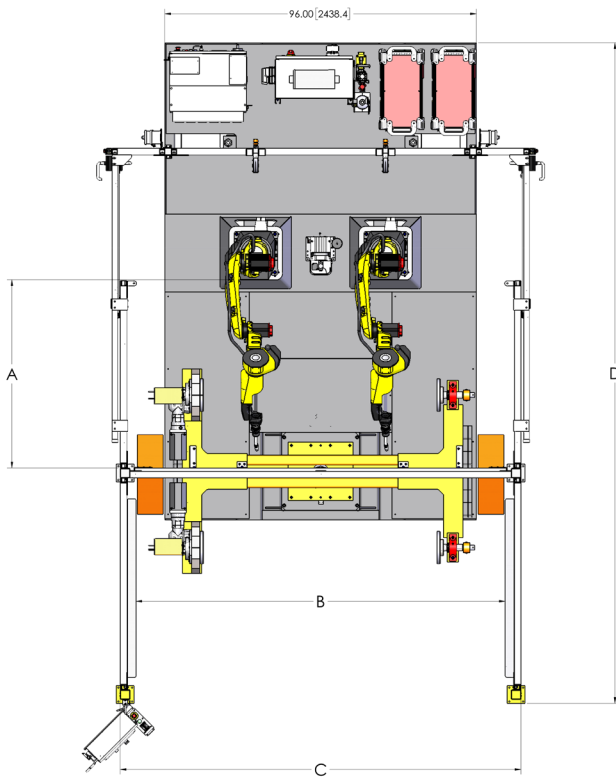# TEKCEL DT2000

TekCel DT2000 Welding

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

- Common base for ease of installation and start up
- 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/HM I base programs for easy start ups

TEK CEL DT2000

WORK CELL DIMENSIONS

Dimension	Value
"A" - Work Area	59.00" (1498.6mm)
"B" - Front Opening Width	113.80" (2890mm)
"C" - Overall Width	123.5.00" (3137mm)
"D" - Overall Length	203.50" (5168.9mm)
"E" - Opening Height	61.13" (1527mm)
"F" - Tool Envelope	39.37" (1000mm)
"G" - Overall Height	87.88" (2282mm)
"H" - Minor Axis	33.07" (840mm)
"I" - Tool Envelope	60.00" (1524mm)

CAPACITIES

Max Weight Total	4795 pounds (2175 kg)
Max Weight Per Side	1653 pounds (750 kg)
Main Index Time 180°	4 seconds
Minor Axis 180°	2.5 seconds
Tooling C Of G Must Be Within	1" (25.4mm) of center axis @ max weight

INCLUDED FEATURES

Feature	Description
Dial Indexer with Plate	Robot 7th axis controlled indexer
Slip Ring	I/0 power, Ethernet & air
Rotary Ground	400amp per weld power source
Light Curtains	14mm 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 -1 O" Siemens TP1200 Comfort Panel
Paint Color (Choice Of)	Any RAL color pallet- industrial enamel
Panel Color	Red, blue or charcoal 1/4" polymer
PLC Main Panel	Low voltage control panel (24vdc)
Power Distribution Panel	High voltage control panel (120vac-480vac)
FRL & Drip Leg	1/2" drip leg, filter regulator & lock-out

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