

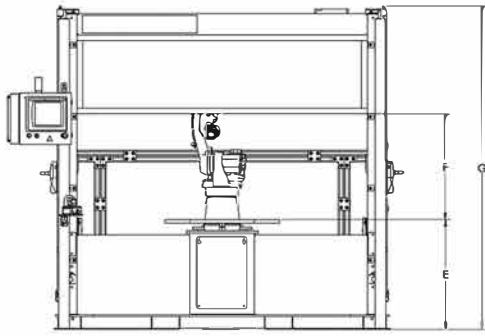


**TranTek Systems pre-engineered automation cells are cost-effective and offer the following features and benefits:**

- 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

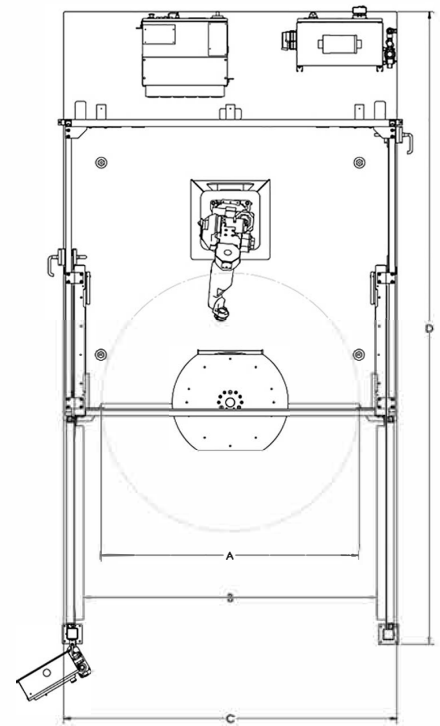
## D1000 Automation



**TEKCEL** D1000

### INCLUDED FEATURES

<b>Dial Indexer with Plate</b>	Robot 7th axis controlled indexer
<b>Light Curtains</b>	25mm resolution cascable
<b>Cell Lighting</b>	Industrial led light bars
<b>Robot Riser</b>	300 & 620mm height
<b>Two Safety Gates</b>	Solenoid locking with internal release with lock-out
<b>Integrated Cell</b>	Functionally programmed cell ready for tooling
<b>Stack Light</b>	3 color red, amber & green
<b>Operator Runbar</b>	Cycle start OPTO-Touch & E-Stop
<b>PLC (Choice Of)</b>	AB CompactLogix Safety Processor 5069 L310ERS2 Siemens SIMATIC S7-1500 F
<b>HMI (Choice Of)</b>	AB PanelView Plus 7-10" Siemens TP1200 Comfort Panel
<b>Paint Color (Choice Of)</b>	Any RAL color pallet Industrial enamel
<b>Panel Color</b>	Red, blue or charcoal 1/4" polymer
<b>Viewable Windows</b>	1/4" clear polycarbonate panels
<b>PLC Main Panel</b>	Low voltage control panel (24vdc)
<b>Power Distribution Panel</b>	High voltage control panel (120vac-480vac)
<b>Quick Disconnect Tooling Features</b>	Ethernet i/o available at tooling
<b>FRL &amp; Drip Leg</b>	1/2" drip leg, filter regulator & lock-out



### CAPACITIES

<b>Max Weight Total</b>	1300 pounds (590 kilograms)
<b>Max Weight Per Side</b>	500 pounds (227 kilograms)
<b>Index Time 180°</b>	2 seconds

### WORK CELL DIMENSIONS

<b>"A" - Dial Diameter</b>	72" (1829mm)
<b>"B" - Front Opening Width</b>	81.75" (2076.7mm)
<b>"C" - Overall Width</b>	93.00" (2362mm)
<b>"D" - Overall Length</b>	176.19" (4475.2mm)
<b>"E" - Dial Height</b>	30.55" (775.9mm)
<b>"F" - Opening Height</b>	29.45" (748.1mm)
<b>"G" - Overall Height</b>	90.08" (2288.0mm)

### OPTIONAL FEATURES

<b>Remote Access</b>	For off-site support
<b>Weld Package(S)</b>	Torch, reamer, power source, wire feeder & misc.
<b>Light Hood</b>	For vision applications

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