

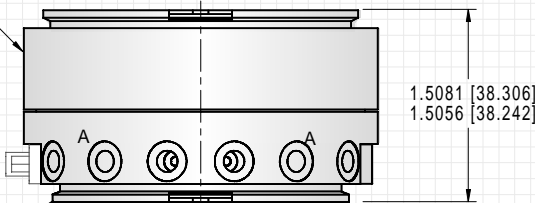
Robot Module for Internal Utilities
Available with:
Pneumatic Sub-Module with (8 or 12) user air ports [12 shown].
Electrical Sub-Module with (25 or 50) 3-Amp User Electrical Contacts [25 shown] with a Choice of Solder Cups or (1 or 2) 25 Pin Electrical Connectors.
Inductive Lock Sensor Choice of PNP or NPN.

For Mounting Flange details see Mounting Kit **MCC-071-001**

Robot Module mounts directly to all **RISTEC-071** series Modules and **ADEPT** Robots. Use Mounting Kit **MCC-071-001**

Robot Module
TCRI-071L
Data Sheet

Modules Shown Coupled

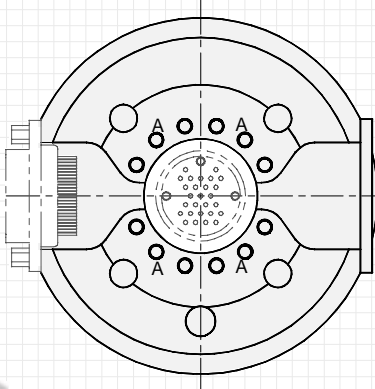


Tool Module mounts directly to all **RISTEC-071** series Modules Use Mounting Kit **MCC-071-001** or for use with a Tool Holder use Mounting Kit **MCC-071-002**

Tool Module
TCTE-071L
Data Sheet

Download .PDF
TCRITE-071L-PDF.zip
This Data Sheet

2D & 3D CAD Files
TC-071-2D-DWG.zip
TC-071-2D-DXF.zip
TC-071-3D-DWG.zip
TC-071-3D-ACIS.zip
TC-071-3D-STEP.zip
CAD File Downloads



Tool Module for External Utilities
With built-in (8 & 12) user pneumatic ports ported internally and/or externally. Note: Pneumatic ports mate with both (8) & (12) port Robot Sub-Modules. When used with an (8) port Robot Sub-Module ports marked "A" are not used.
Available with:
Electrical Sub-Module with (25 or 50) 3-Amp electrical contacts with a choice of solder cups or (1 or 2) 25 pin Micro-D Sub Mil-Spec electrical connectors.

Patents Pending



ORDERING

Order Robot Module & Tool Modules Separately

ORDER NUMBER: TC - 071L -

Product :
Tool Changer **TC**

Module :
Robot, for Internal Utilities **RI**
Tool, for External Utilities **TE**

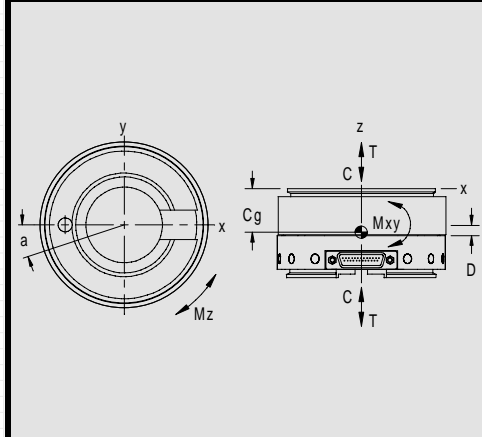
Size :
71 mm OD, Light Weight **071L**

Application Environment:

Assembly, Material Handling & Packaging	AS
Clean Room, Electronics & Semiconductor	CL
De-ionized Water & Corrosive Environment	DI
Medical Devices, Pharmaceutical & Sterile	MD
Machining, Grinding, Finishing & Painting	MF
Washdown, Food & Beverage, USDA/FDA	WD
Special Design (Consult RISTEC)	XL

Individual Modules See Data Sheet

Robot Module w/Internal Utilities	TCRI-071L
Tool Module w/ External Utilities	TCTE-071L



Technical Data: Coupled Modules

Temperature Range	Tr	-30/ 180 F	-25/ 70 C
Pressure Range	Pr	15-120 psi	1-7 Bar
Coupling Time	T	.10 sec	.10 sec
Repeatability +/- x,y	Rxy	.0002 in	.005 mm
Repeatability +/- z	Rz	.0002 in	.005 mm
Angular Repeatability	Ra	0.01 deg	0.01 deg
Max. Locking Distance	D	0.07 in	1.8 mm

Mass Properties: Coupled Modules

Weight [Mass]	W	0.54 Lb	0.25 Kg
Center of Gravity	Cg	0.75 in	19 mm

Maximum Loading: Coupled Modules

Tension	T	300 Lb	1300 N
Compression	C	600 Lb	2600 N
Bending	Mxy	600 in-Lb	68 NM
Torsional	Mz	250 in-Lb	28 NM
Payload	P	45 Lb	20 Kg