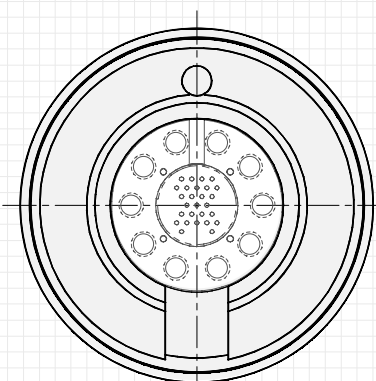



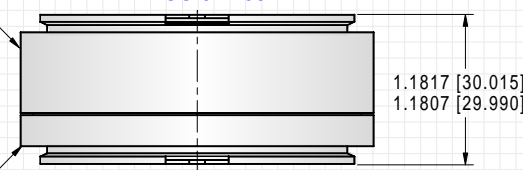
For mounting flange details see Mounting Kit [MCC-071-001](#)



Robot Module for Internal Utilities
Available with:
Pneumatic Sub-Modules with (8 or 12) user air ports [8 shown].
Electrical Sub-Modules with (25 or 50) 3-Amp Electrical Contacts [25 shown] with choice of solder cups or (1 or 2) 25 pin miniature electrical connectors.
Inductive Lock Sensor choice of PNP or NPN

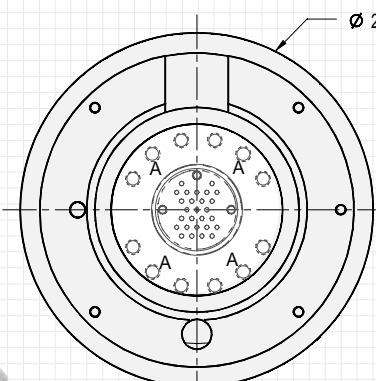


Robot Module mounts directly to all **RISTEC-071** series modules and **ADEPT** Robots. Use Mounting Kit [MCC-071-001](#)




1.1817 [30.015]
1.1807 [29.990]

Tool Module mounts directly to all **RISTEC-071** series Modules Use Mounting Kit [MCC-071-001](#) or for use with tool holder use Mounting Kit [MCC-071-002](#)



Ø 2.800 [71.12]

Tool Module for Internal Utilities
Available with:
Pneumatic Sub-Module With (8 and 12) user air ports. Note: Pneumatic Sub-Module for Internal Utilities can mate with both a (12) port or (8) port Robot Pneumatic Sub-Module. When used with an (8) port Robot (4) ports marked "A" are not used.
Electrical Sub-Module With (25 or 50) 3-Amp Electrical Contacts with solder cups. [25 shown]



Patents Pending

- [Robot Module TCR-071L Data Sheet](#)
- [Tool Module TCTI-071L Data Sheet](#)
- [Download .PDF TCRITI-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](#)

ORDERING

Order Robot Module & Tool Modules Separately

ORDER NUMBER: TC - 071L -

Product:
Tool Changer **TC**

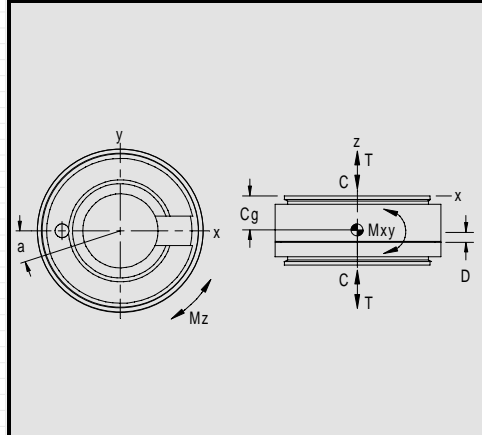
Module:
Robot, for Internal Utilities **RI**
Tool, for Internal Utilities **TI**

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/ Internal Utilities	TCTI-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	0.44 Lb	0.20 Kg
Center of Gravity	Cg	0.62 in	15 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