

QC-7

Robotic Tool Changer



*QC-7 Master-side
and Tool-side*

Product Description

The QC-7 Robotic Tool Changer enables quick, automatic exchange of end-effectors and is capable of direct mounting to ISO 9409-1-31.5-4-M5 robot wrists to minimize stack height. The lightweight, pneumatically-actuated QC-7 features a patented Fail-Safe locking mechanism and includes optional integrated Lock/Unlock sensors to indicate the device's status. This compact and robust Tool Changer can handle payloads of up to 35 lbs (16 kg) and supports a variety of pneumatic and electrical pass-through utilities.

Specifications	Values
Suggested Payload Limit	35 lb (16 kg)
Locking Force @ 80 psi (5.5 bar)	220 lb (980 N)
Static Moment Capacity – (X and Y)	180 lbf-in (20.3 Nm)
Static Moment Capacity – (Z)	110 lbf-in (12.4 Nm)
Positional Repeatability – (X,Y, and Z)	0.0004 in (0.010 mm)
Combined Weight – when coupled	0.6 lb (0.28 kg)
Pneumatic Pass-through Ports	(5) M5 or #10-32
Electrical Pass-through Connections (Optional Module)	(12) 1.0 A / 75 VDC

ATI reserves the right to change these specifications.

Product Features

Patented Fail-Safe locking mechanism for a secure connection between Master and Tool.

Direct mounting to ISO 9409-1-31.5-4-M5 robot wrists for low stack height.

Lock/Unlock sensing in-body to communicate device status.

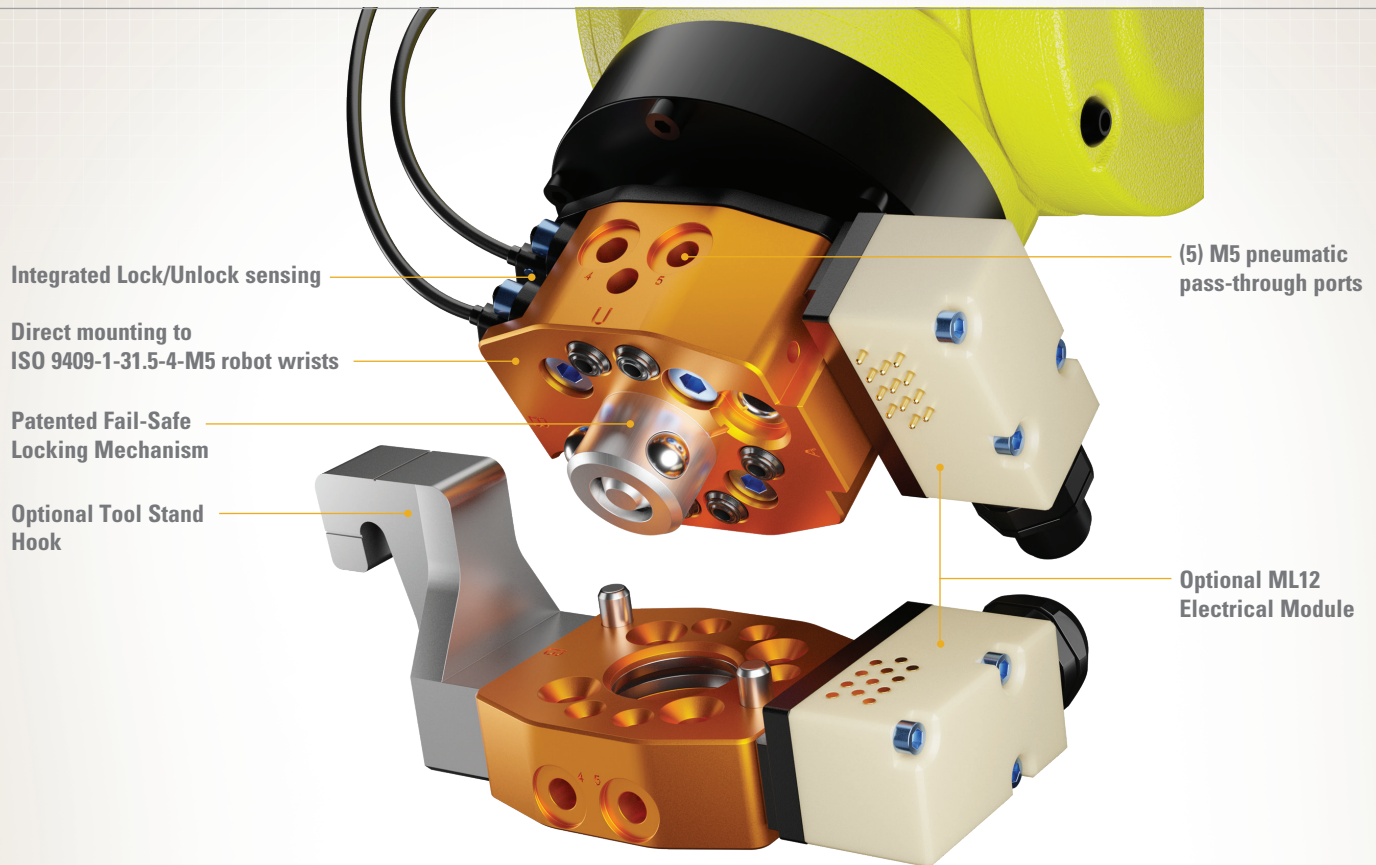
Optional tool stand hook for convenient storage during tool change.

Integrated pneumatic pass-through for reliable supply to downstream tooling.

Electrical pass-through with a variety of optional modules.

For more information, visit www.ati-ia.com/QC7.

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QC-7 Tool Stand Configuration Example

