

QC-29

Robotic Tool Changer



*QC-29 Tool-side
and Master-side*

Product Description

The QC-29 Robotic Tool Changer brings the powerful and rugged technology of ATI's Heavy Duty Tool Changers to the 25-35 kg payload class. The QC-29 is the first standard ATI Tool Changer designed to mount directly to 40 mm and 50 mm robot wrists.

ATI's QC-29 also includes in-body lock/unlock sensing and our Fail-Safe locking mechanism. Built-in pneumatic pass-through ports and three module mounting flats make connecting utilities easy, and the zero freeplay design ensures maximum repeatability for high-precision tool changing.

The QC-29 is compatible with ATI's large selection of Standard Utility Modules and Tool Stands enabling a vast array of unique configurations ranging from ultrasonic welding to servo motor support and other diverse applications.

For more information, visit www.ati-ia.com/QC29.

Product Features

Compact size with 35 kg payload capability.

In-body sensing of lock/unlock status.

Direct mount to ISO 40 mm and 50 mm bolt patterns for a robust connection with low stack height.

Fail-Safe locking mechanism for maximum stiffness and repeatability in high-precision applications.

Integrated pass-through ports eliminate the need for an add-on pneumatic module.

Three (3) standard mounting flats compatible with ATI's large selection of Utility Modules.

Specifications	Values
Suggested Payload Limit	77 lb (35 kg)
Locking Force @ 80 psi (5.5 bar)	640 lb (2900 N)
Static Moment Capacity – (X and Y)	500 lbf-in (56.5 Nm)
Static Moment Capacity – (Z)	690 lbf-in (78 Nm)
Positional Repeatability – (X,Y, and Z)	0.0006 in (0.0152 mm)
Combined Weight – when coupled	3.65 lb (1.66 kg)
Pneumatic Pass-through Ports	(2) 1/8 NPT, (4) #10-32 or (2) G 1/8 (BSPP), (4) M5

ATI reserves the right to change these specifications.

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