

MC-50

Manual Robot Tool Changer



Product Description

With intuitive and ergonomic lever operation, the patent-pending MC-50 Manual Robot Tool Changer provides a simple solution for quickly changing robotic end-of-arm tooling by hand. This compact and robust Tool Changer is designed for applications on collaborative robots up to 25 kg payloads and small industrial robots up to 10 kg payloads. Featuring an ISO 50 mm mounting interface on the Master-side and Tool-side, the low-profile MC-50 mounts directly to most cobots and seamlessly integrates with many common cobot marketplace grippers and end-effectors.

The MC-50 also includes a safety latch button on the lever to provide secondary locking for increased safety and prevention of involuntary uncoupling. A variety of electrical and pneumatic utilities for downstream end-effectors are supported through four (4) M5 integrated pneumatic pass-through ports and a mounting flat for optional ATI Utility Modules. ATI's MC-50 offers unmatched performance, reliability, and quality for manual exchange of robot tools.

Product Features

Quick exchange of robot end-effectors by hand with intuitive lever action; no tools required.

Patent-pending safety latch eliminates risk of unintentional uncoupling.

Spring-lock mechanism with over-center cam maintains full lock force and stiffness for life.

Ideal for cobots up to 25 kg payload, and industrial robots up to 10 kg payload.

Seamless low-profile integration for cobots and common cobot marketplace end-effectors with ISO 50 mm mounting interface.

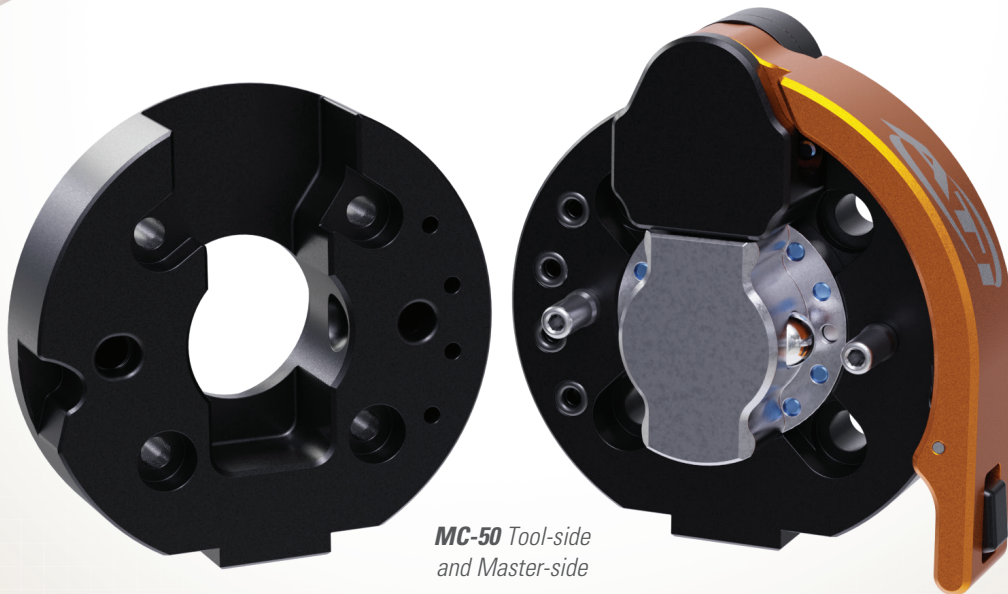
Specifications	Values
Suggested Payload Limit	55 lb (25 kg)
Static Moment Capacity – (X and Y)	221 lbf-in (25 Nm)
Static Moment Capacity – (Z)	221 lbf-in (25 Nm)
Max Moment Capacity – (X and Y)	664 lbf-in (75 Nm)
Max Moment Capacity – (Z)	664 lbf-in (75 Nm)
Combined Weight – when coupled	1.26 lb (0.57 kg)
Coupled Height	1.67 in (42.5 mm)
Mounting Interface	ISO 9409-1-50-4-M6

ATI reserves the right to change these specifications.

For more information, visit www.ati-ia.com/MC50

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Quick exchange of end-effectors
with lever action; no tools required.



*MC-50 Tool-side
and Master-side*