

MILL ASSIST ESSENTIAL



VCN-570C w/ RoboJob Mill Assist

BENEFITS

- Increase revenue and gross margins.
- React quickly to market fluctuations.
- Boost productivity and machine utilization.
- Reduce labor and inventory costs.
- Improve worker safety and ergonomics.
- Attain maximum machine flexibility.

FEATURES

- Affordable automation for extended unmanned operation for small to large batches.
- Available for a wide range of Mazak machining centers.
- Unhindered access for manual intervention, operation and maintenance.
- Fast and easy setup for new jobs without need for programming experience.
- Quick, trouble-free installation with easy-to-move robot and stocker system.
- Configuration options for cylindrical or prismatic workpieces with dual two/four-point grippers.

FENCELESS

Minimal guarding includes adjustable steel and acrylic fencing on two sides and a safety laser scanner to protect the rest of the work area. This lack of conventional guarding, coupled with an angled robot mounting base, enables three safety zones that prevent operator injury while providing easy access to the machine.

USER-FRIENDLY DESIGN

A unique workpiece stacking principle, interchangeable workpiece support pillars and a wide range of gripper and stocker configurations make the Mill Assist Essential easy to adapt to any shop's needs. Operators without any prior experience with robotics typically master the setup process in two hours, and setup times are usually below five minutes.

MILL ASSIST ESSENTIAL SPECIFICATIONS

Workpiece capacity	Cylindrical: 1"-15.75" (25-400 mm) Prismatic: 1"-15.75" x 1"-7" (25-400 mm x 25-170 mm)
Maximum workpiece weight	31 lbs (14 kg)*
Maximum stacking height	3"-4" (80-100 mm)
Maximum table weight	1,300 lbs (600 kg)
Gripping head	One 2/4-p gripper for raw workpiece (A-gripper)
	One 2/4-p gripper for finished workpiece (B-gripper)
	Air-blow nozzle for workpiece and machine chuck jaw
	Revolving unit for turning pieces

*62 lbs (28 kg) or higher capacity optionally available

To learn more about Mill Assist Essential or find an automation solution that fits your unique part-production needs, contact your local Mazak sales representative.

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