

versaLoad™

THE SAFE AND VERSATILE COLLABORATIVE AUTOMATION
SYSTEM FOR CYLINDRICAL GRINDING



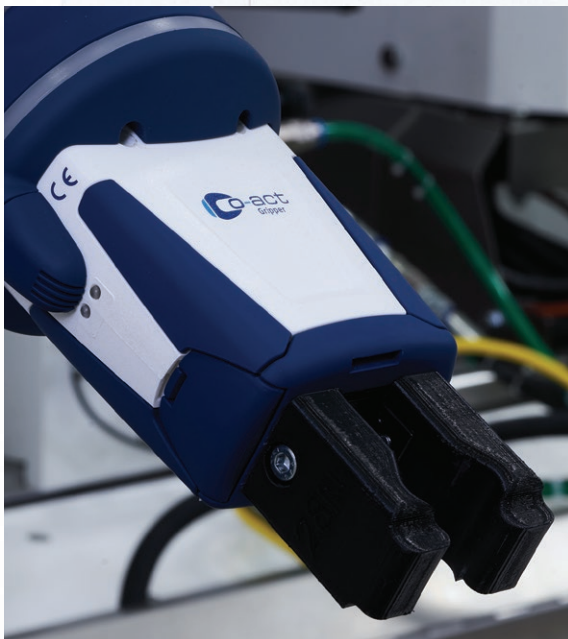
ROI REALIZED

The automation solutions available with UNITED GRINDING equipment bring versatility and efficiency to manufacturing. versaLoad—compatible with STUDER cylindrical grinding machines—is one such solution. Its low cost, simple programming and ability to support a wide range of cylindrical grinding tasks make it a smart addition to the future-forward shop floor.

With the versaLoad collaborative robot, you'll see a healthy return on your investment in your cylindrical grinding processes.

- Reduce labor costs on repetitive tasks
- Give operators more profitable tasks
- Boost quality via repeatable precision
- Boost productivity by minimizing machine idle time
- Integrate with many components and processes

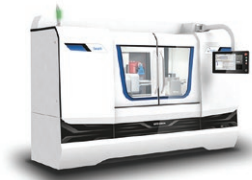
UNITED GRINDING North America is a FANUC Certified Automation Systems Integrator.



THE TALE OF THE TAPE

Compatible models

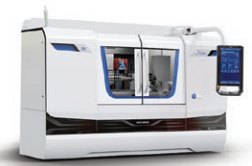
versaLoad works with the following STUDER grinding machines:



favorit



S33



S31



S41

TIP

When deciding if the versaLoad automation system can work for your machine, talk to UNITED GRINDING North America. The ideal solution depends on the application.

OPERATOR BENEFITS

versaLoad is designed for high mix low volume applications with the following benefits for machine operators:

- A freestanding design with waist-high ergonomic friendliness
- Ease of use; quickly teach positions and perform changeovers
- Portability; movable from machine to machine with a pallet jack
- Safety that adheres to current cobot standards

SPECS

versaLoad uses the FANUC CRX-10iA/L cobot, which has the length needed to work inside STUDER grinding machines. Key specs include:

Part trays (3)	300 mm x 400 mm each
Control	Tablet-style
Robot payload capacity*	10 kg
Voltage	120V / 60Hz

*** Dependent on End of Arm tooling.**

Part dimensions and their applications will be reviewed case by case.

TOOLING

«UNITED GRINDING North America developed a dual gripper for the versaLoad, bringing a **40% to 50%** reduction in part exchange time.»

- Co-act collaborative gripper
- Quick change gripper fingers
- Door-opening attachment on cobot
- Automatic doors NOT required for versaLoad operation

SAFETY

As with any collaborative automation technology, safety is vital. versaLoad keeps its human colleagues safe while it works.

No fencing required; adheres to cobot safety standards

- Always monitors the operator and automatically adjusts accordingly
- Two safety scanners; if someone steps into the zone, versaLoad slows down
- If the operator steps between the cobot and the machine, the machine will not clamp
- Stops if there is any unexpected contact between operator and cobot

COLLABORATE WITH VERSALOAD AND UNITED GRINDING NORTH AMERICA

Our team of automation engineers work with you to design a custom solution for your project, eliminate a production challenge or further optimize your setup.

A single versaLoad system, running two shifts a day and five days a week, will take just 13 months to recoup its purchase price. And after 15 years of use, more than \$1.6 million in labor cost savings will be realized.

We are dedicated to helping you get the most out of your machine and its automation setup. To work with us is to know with complete certainty that you're getting the right equipment, install, training and support to succeed.

**To request a versaLoad quote,
visit grinding.com or contact:**

UNITED GRINDING North America
2100 United Grinding Blvd.
Miamisburg, OH 45342

**937-859-1975
info@grinding.com
grinding.com**

