

STUDER *insertLoad*

FOR THE UNIVERSAL EXTERNAL CYLINDRICAL GRINDING MACHINES



- Standard automation for small to medium-sized workpieces
- Cutting-edge set-up wizard for quick and easy set-up
- Quick set-up and resetting in under 15 minutes
- Very simple workpiece supply
- No robot programming knowledge required
- Short delivery time thanks to standardization
- Expandable for your future requirements

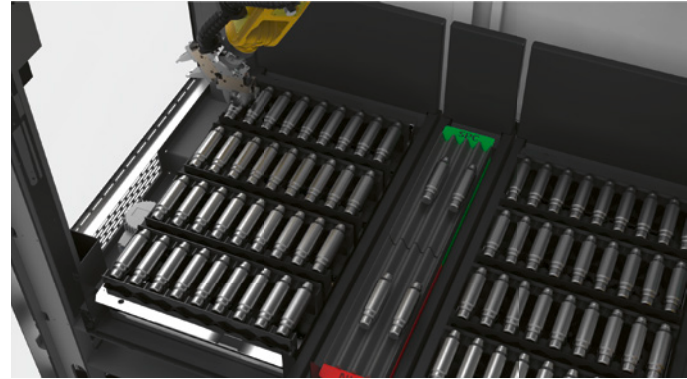
 **STUDER**

For the machine types, S31 and S33 with center distances 400 mm, 650 mm and 1000 mm, an automation solution based on a robot cell is offered. The loading system is suitable for chuck parts up to 100 mm (3.94") and shaft parts up to 300 mm (11.8") and a part diameter of max. 100 mm (3.94") and is thus particularly suitable for small to

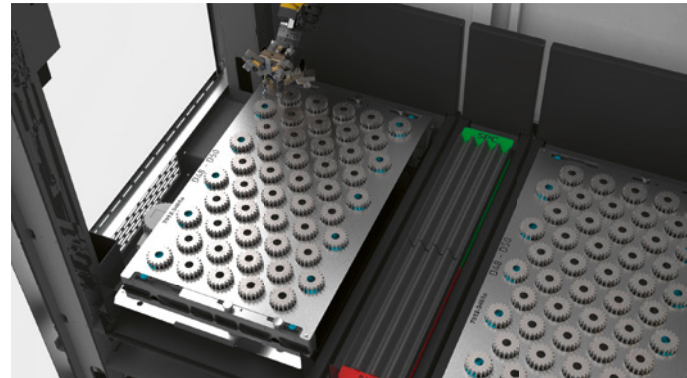
medium-sized workpieces. The parts are supplied via a standardized drawer system. The enclosure for the basic module, which is provided with a loading hatch as standard, has been adapted to match the machine design and enables a safe and clean operation of the system.

Machine types:	S31 and S33 with distance between centers 400 mm (15.75"), 650 mm (25.6"), 1000 mm (39.4")
Spectrum of parts:	Shaft and chuck parts
Autonomy:	Two part trays available, autonomy varies depending on part size
Workpiece dimensions:	Part length Chuck parts up to 100 mm (3.94") Shaft parts up to 300 mm (11.8")
	Part diameter: max. dia. 100 mm (3.94")
	Gripping diameter: min. dia. 6 mm (0.24") / max. dia. 70 mm (2.75")
	Part weight: max. 1.5 kg (3.3 lbs) with dual gripper
	Part weight: max. 5 kg (11 lbs) with single gripper
Workpiece loading time:	8 seconds (with dual gripper)
	18 seconds (with single gripper)
	Re-provisioning time: 11 seconds
Control system:	Operation via C.O.R.E. panel and Siemens 9" screen as a handheld control unit
Construction and equipment:	Basic frame with enclosure and set-up door, FANUC robot type LR Mate 200iD and FANUC linear axis as well as two individually loadable pallets. With separate SPC/NOK deposit.
Installation space approx.:	Width: 1500 mm (59"), length: 1400 mm (55")

Parts horizontal



Parts vertical



Gripper chuck parts for workpieces clamped in chuck



Gripper shaft parts for workpieces clamped between centers

