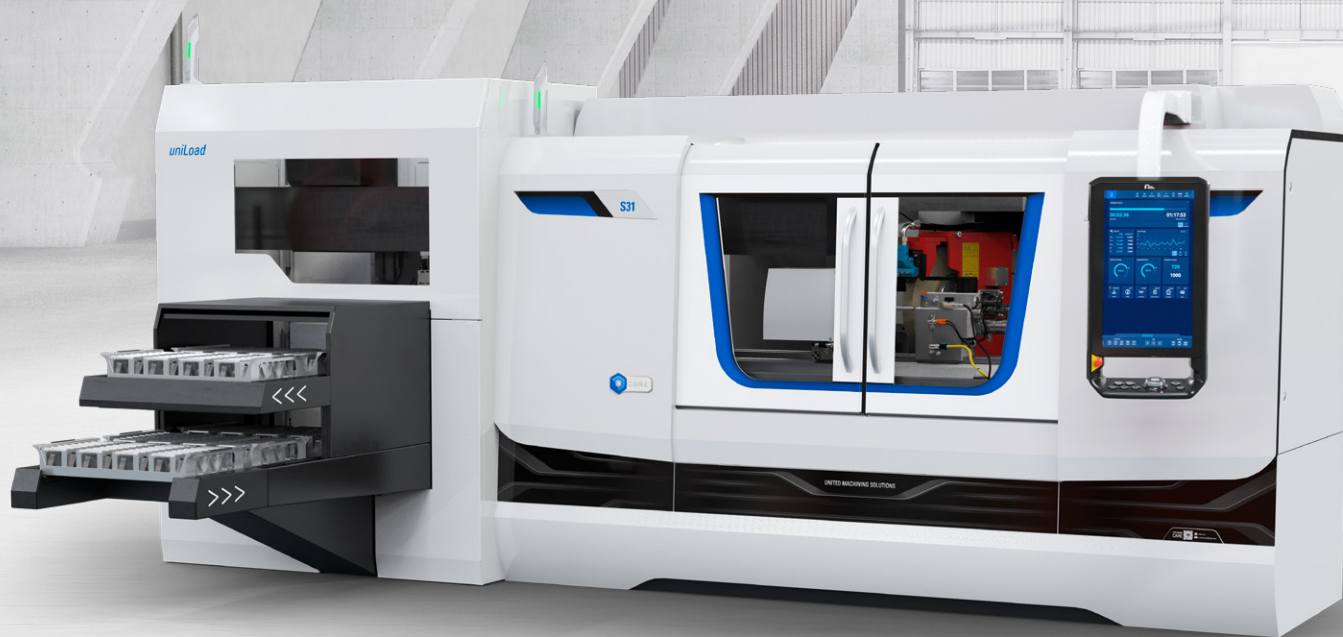


STUDER *uniLoad*

FOR UNIVERSAL EXTERNAL CYLINDRICAL GRINDING MACHINES



- Standard automation for large parts
- Forward-looking setup assistant for quick and easy setup
- Quick setup and changeover in less than 15 minutes
- Workpiece supply via standardized pallet solution
- No programming knowledge required
- Expandable to meet your future needs



For machine types S31 and S33 with center distances of 650 mm (25.6") and 1000 mm (39.4"), a loading solution based on a linear portal cell with two parallel grippers is offered. The loading system is suitable for shafts up to a part length of 650 mm (25.6"), a part diameter of max. 260 mm (10.2"), and for chuck parts up to a part length of 100 mm (3.94") and a

part diameter of max. 100 mm (3.94"). The loading system thus covers a large spectrum of the parts manufactured on these machines. Parts are supplied via a standardized pallet system. The base module's enclosure, which is adapted to the machine design and equipped with a loading hatch as standard, allows for safe and clean operation of the system.

Machine types:	S31 and S33 with centre distances of 650 mm (25.6") and 1000 mm (39.4")
Range of parts:	Shaft and chuck parts
Autonomy:	5 pallets, depending on part size
Workpiece dimensions:	Part length: Chuck parts up to 100 mm (3.94")/ Shaft parts up to 650 mm (25.6")
	Part diameter: Chuck parts up to dia. 260 mm (10.2")/ Shaft parts up to dia. 100 mm (3.94")
	Gripping diameter: Shaft parts: min. dia. 6 mm (0.24")/ max. dia. 100 mm (3.94"), chuck parts: min. dia. 6 mm (0.24")/ max. dia. 260 mm (10.2")
	Part weight: max. 5 kg (11 lbs) in alternating operation
	Part weight: max. 15 kg (33 lbs) with single gripper
Workpiece changeover time:	10–12 seconds (in alternating operation)
	18 seconds (with single gripper)
	Reprovisioning time 7 seconds
Control:	Operation via Siemens 9" screen and intuitive user interface
Interface:	STUDER B3 Profinet loader interface
Construction and equipment:	Basic frame with enclosure and setup door, Portal beam with single or dual gripper, pallet/conveyor belt and SPC/NIO output
Approx. footprint:	Width: 2650 mm (104"), length 1600 mm (63")
Standard gripper sets	
Shafts:	Dia. 6–18 mm (0.24–0.7")
	Dia. 15–30 mm (0.6–1.18")
	Dia. 29–45 mm (1.14–1.77")
	Dia. 45–60 mm (1.77–2.36")
	Dia. 60–80 mm (2.36–3.15")
	Dia. 80–90 mm (3.15–3.54")
	Dia. 90–100 mm (3.54–3.94")

