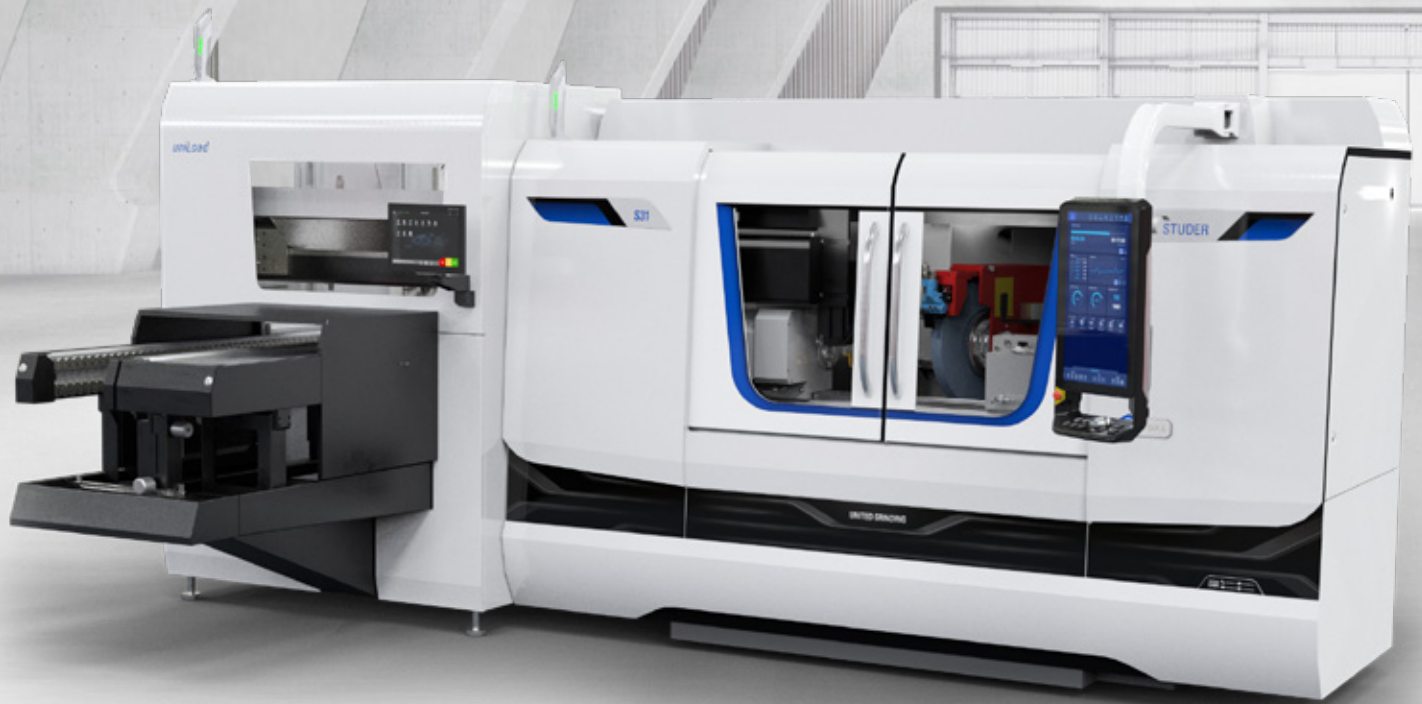


STUDER *uniLoad*

FOR THE UNIVERSAL EXTERNAL CYLINDRICAL GRINDING MACHINES



- Standard automation for a large range of parts
- Cutting-edge set-up wizard for simple and fast setup
- Quick setup and resetting in less than 15min
- Very simple workpiece supply
- No programming knowledge required
- Expandable for your future needs

 **STUDER**

A loader solution based on a linear gantry cell with two parallel grippers is offered for the machine types S31 and S33 for the centre distances 650 mm (25.6") and 1000 mm (40"). The loading system is suitable for parts up to a length of 350 mm (13.75") and a diameter of max. 100 mm (4") and thus covers a large range of parts normally produced on these machines.

The parts are supplied via a standardized, adjustable prismatic conveyor. The enclosure of the base module, matched to the machine design, is equipped with a loading hatch as a standard and allows a safe and clean operation of the system.

Machine types:	S31 and S33 with centre distance of 650 mm (25.6") and 1000 mm (40")
Part spectrum:	Shafts (chuck clamping not feasible)
Autonomy:	depending on part size, max. 50 parts
Workpiece dimensions:	Part length: max. 350 mm/min. 10 mm (max. 13.8"/min. 0.4")
	Part diameter: max. Ø 100 mm (4")
	Gripping diameter: min. Ø 6/max. Ø 80 (min. 0.24"/max. 3.15")
Workpiece loading time:	Part weight: max. 5 kg (11 lbs) with dual gripper
	Part weight: max. 15 kg (33 lbs) with single gripper
Control:	10–12 seconds (with dual gripper)
	18 seconds (with single gripper)
	Re-provisioning time 16 seconds
Interface:	Operation via Siemens 15" screen and intuitive user interface
Configuration and equipment:	STUDER B3 Profibus loader interface
Footprint approx.:	Basic module with enclosure and setup door, gantry with single or dual grippers for shafts, adjustable prismatic conveyor and finished part conveyer including a NIO parts deposit.
Standard gripper finger sets:	width: 2470 mm/length 1600 mm (width 97.3"/length 63")
	Ø6-18 mm (dia. 0.24"–0.7")
	Ø15-30 mm (dia. 0.59"–1.18")
	Ø29-45 mm (dia. 1.14"–1.77")
	Ø45-60 mm (dia. 1.77"–2.36")
	Ø59-80 mm (dia. 2.32"–3.15")

