



AWM-Precision GmbH
Parkallee 5 · 16727 Velten · Deutschland
Amtsgericht Potsdam · HRB 30034 P · USt-IdNr.: DE312793309

MACHINES · SHOP · IN STOCK

STUDER S30-1 (2005)

Universal cylindrical grinding machine

SEND ENQUIRY

● IN STOCK



YEAR OF MANUFACTURE	CONDITION	AVAILABILITY	CENTRE DISTANCE	DELIVERY
2005	Used	In stock	1,000 mm	FCA Velten

SHORT DESCRIPTION

Universal cylindrical grinding machine by Fritz Studer AG (Thun, Switzerland), hydraulically controlled, for grinding between centres and live-spindle grinding. This machine comes with the complete original STUDER operating manual including the spare parts catalogue and the EC declaration of conformity, both issued for its machine number. According to that factory documentation it is the 1,000 mm centre distance version: in the geometry tables of the manual exactly the row 1000 (clamping length 1,030 mm, table travel 1,050 mm) is printed in bold. External grinding wheel on the left Ø 400 × 80 × Ø 127 mm, hydrodynamically bedded wheel spindle, Sony LD10 digital readout. Machine base in Granitan® S103 — the mineral casting STUDER has built its cylindrical grinders on for decades. The series is designed to take a hinged internal grinding attachment; whether this attachment is present on this machine is confirmed bindingly upon inspection.

TECHNICAL DATA

Our Terms and Conditions apply · Technical data as per the manufacturer's documentation and the operating manual supplied with the machine — individual values are confirmed bindingly upon inspection or on specific request · Offer non-binding, errors and prior sale reserved.





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Distance between centres	1,000 mm (per factory documentation)	Centre height	125 / 175 / 225 mm – on request
Max. external grinding dia.	depends on centre height – on request	Max. workpiece weight	130 kg
X travel (infeed)	300 mm (manual) / 255 mm (brochure)	Z travel (longitudinal)	1,050 mm
Table swivel	8.5°	Wheelhead swivel (B)	swivelling; version (universal or external wheelhead) confirmed upon inspection
Wheel spindle taper	Ø 63 mm	Wheel spindle power	5.5 kW (manual) / 7.5 kW (previous supplier) – to be confirmed
Wheel spindle speeds	1,670 / 2,110 rpm	Grinding wheel left	Ø 400 × 80 × 127 mm (max.)
Workhead	30–1,000 rpm stepless per manual, MT 5, W-25 collets	Roundness (chuck grinding)	0.0003 mm (hydrodynamic) / 0.0005 mm (roller bearing)
Guaranteed working accuracy	0.0025 mm over 400 mm · 0.004 mm over 650 mm	Tailstock	MT 3, quill stroke 35 mm
Internal grinding	series provides for a hinged internal grinding attachment (belt spindles, 1.5 kW drive) per operating manual – no attachment and no belt spindle visible on our photos; to be checked on site	Readout / gauging	Sony LD10 digital readout on a swivel arm fitted. No in-process gauging identifiable on the photos (an option per the manufacturer)
Control	conventional, hydraulic cycles (no CNC)	Base material	Granitan® S103
Operating hours (counter)	38,388.5 h	Connected load	13 kVA
Weight	approx. 3,500 kg (per factory brochure, 1,000 mm version)	Series / Serial no.	090 / 019.3784
Wheel peripheral speed	35 m/s at 1,670 rpm · 44.2 m/s at 2,110 rpm	Wheel dressing	adjustable dressing attachment on the tailstock, manual – no automatic dressing cycle, no dressing compensation
Internal grinding geometry per manual	reach to face 210 mm · max. workpiece Ø 129 mm in the chuck, 140 mm with steady rest – applies with the internal grinding attachment fitted	Power supply	400 V / 50 Hz · max. 13 kVA

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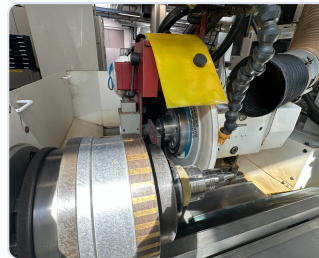
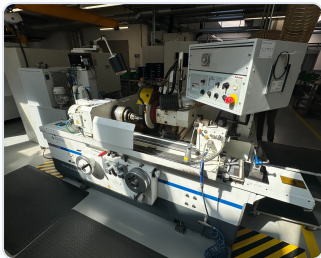
Noise level (factory
protocol)

≤ 75 dB(A)

Documentation

original operating
manual DE/EN/FR incl.
spare parts catalogue
· EC declaration of
conformity for this
machine no.

GALLERY



Included in delivery

- ✓ Machine complete: wheelhead, workhead, tailstock, hydraulic power unit, control cabinet — well-kept original condition
- ✓ Three-jaw chuck on the workhead — mounted
- ✓ Driver dog for grinding between centres (L = 50 mm)
- ✓ Centre in the tailstock
- ✓ Adjustable dressing attachment on the tailstock — mounted (the diamond is a wear part and is not assessed)
- ✓ Sony LD10 digital readout on a swivel arm
- ✓ 8 grinding wheel mounting flanges, one of them a balancing flange
- ✓ Original operating manual DE/EN/FR incl. spare parts catalogue and noise measurement protocol
- ✓ EC declaration of conformity issued for machine no. 019.3784
- ✓ Transport-safe packing on a wooden pallet, loading onto your truck included
- ✓ Grinding wheels are not part of the scope of delivery
- ✓ An internal grinding attachment, belt spindles and in-process gauging are not documented on our photos and are therefore not part of the scope of delivery

Optional on request

- + Demonstration, test grinding and geometric measurement — by prior arrangement only: the machine is packed and disconnected, ready for shipment; setting it up and commissioning it for a demonstration is carried out by an external service partner. We agree the effort and cost with you in advance.
- + Commissioning and instruction at your site — via an external service partner, cost on request
- + Detailed technical inspection report
- + Transport to your facility (Incoterms 2020)

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AVAILABILITY

Immediately ex stock

Machine packed and ready for shipment. Delivery 1–2 working days after receipt of payment.

DELIVERY TERMS

FCA Velten

Loading onto your means of transport by our staff is included. Incoterms 2020; CPT / DAP on request, delivery throughout the EU.

PAYMENT TERMS

100 % in advance

By bank transfer before shipment.

NOTE ON THE TECHNICAL DATA

The technical data stated above are taken from the manufacturer's documentation (series brochure/catalogue) and from the operating manual supplied with the machine, and reproduce the content of those documents as information received; we have not carried out our own metrological verification of every individual value. Unless expressly agreed otherwise in the purchase contract or in our order confirmation, they therefore do not constitute an agreement on quality (Beschaffensvereinbarung) or a guarantee within the meaning of Sections 434, 443 of the German Civil Code (BGB). We will verify and confirm individual values material to you upon specific request or jointly at the inspection appointment; we expressly recommend inspecting and testing the machine before conclusion of the contract. This offer is non-binding; errors, technical modifications and prior sale remain reserved. Our statutory liability for intent and gross negligence, for injury to life, body or health, for fraudulently concealed defects and under any expressly assumed guarantee remains unaffected. In case of discrepancies, the German version of this notice prevails.