

Characteristics

- ▶ The machine is built on a very stiff and high-quality welded frame which is fire zinc plated and additionally powder coated
- ▶ The spindle and the eccentric arm are out of stainless steel and made in a heavy-duty design for longest lifetime and stiffness
- ▶ Fully servo-controlled motors
- ▶ Freely programmable movements of the eccentric arm
- ▶ Digitized and visualized parameters
- ▶ Variable parameters among different process steps
- ▶ Storage of up to 60 recipes
- ▶ Automatic and manual mode
- ▶ Digitized force up to 180 daN
- ▶ Max. spindle speed 200 RPM
- ▶ Coolant supply through the spindle or from the outside

Application Area

- ▶ Processing glass, ceramic, crystals and metals
- ▶ Prisms
- ▶ Spherical optics
- ▶ Grinding, lapping and polishing
- ▶ Precision manufacturing of optics and semiconductor substrates
- ▶ R & D

Options

- ▶ Eccentric arm with driven spindle
- ▶ Waste water switch
- ▶ Online connection (Remote- assistance)
- ▶ Export of process data
- ▶ Further options upon request

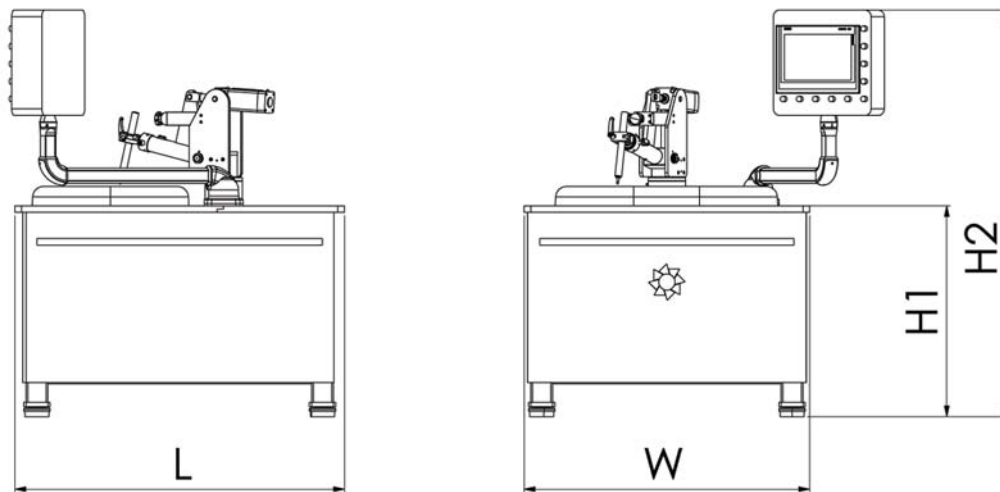


TECHNICAL
DATA

SGM500-NC

CE

Max. tool diameter [mm]	700
Max. spindle speed [RPM]	200
Down force [daN]	1 - 180
Basin size [mm]	700 x 1.000
Eccentric area [°]	+ / - 30
Thread on tool spindle	M39
Electric connection	400 V – 3 Ph – 50 Hz – 16 A
Weight [kg]	~ 1.000
Dimension [L x W x H1/H2 cm ³]	150 x 130 x 96/185



In our Berlin site we have all of our machines and systems in operation and running. We gladly invite you to see them live, conduct test processing on them and even run through a whole production process with us.

We have most different grinding tools, polishing materials and consumables on hand to process nearly every material and run through all necessary production steps — from pre grinding to super polish. Besides that we our lab is equipped with all necessary measurement systems so that we back up what we do and make sure we gather high quality and reliable data.

Please contact us to discuss your project and needs in further detail.

