



Spherical/Flat Grinding machine FSA 80

Easy to use – efficient in action

The spherical grinding machine FSA 80 was developed for surface generating of plano and of spherical lens surfaces and this both in concave and/or convex generating work.

As the FSA 80 works full-automatically and is very easy to set up, the machine is used for serial production as well as prototyping or small lot sizes. Its solid and sturdy construction assures highest accuracy to the surface to be generated and a long life time of the machine.

The entire machine is constructed upon a distortion free c-type welded base. The work-piece spindle is integrated in the X-axis table and is equipped with a rotary feedthrough for pressure air or vacuum. The belt driven grinding spindle is driven by a water cooled and frequency controlled motor and offers internal cooling.

The machine features a numerical controlled z-axis that is driven by a servo motor. A manual B-axis (swiveling head) and X-axis (optionally as NC axis) with digital read out on the control support the operator in setting it up. The control shows all axis position and can store up to 100 pre-setting values for quick change. All programming is done through the self-explanatory touch screen. An angle calculator helps to produce new parts.

Technical Data

X-axis	travers path	160 mm
	digital display	0.005 mm
Z-axis	travers path	150 mm
	digital display	0.001 mm
	feed rate	5000 mm/min
B-axis	swiveling path	0-45 °
	digital display	0.002 °
Work piece spindle		200 - 1000rpm
Grinding spindle programmable		500 - 6'000rpm
Electrical connection		3x400V, 50Hz, L+N+PE / 16A
Compressed air connection		6 bar
Dimension		1000 x 1000 x 1900mm
Weight approx.		850 kg



TECHNICAL ALTERATIONS SUBJECT TO CHANGE