

SCHNEEBERGER - DMR GEMINI - 2005

	Manufacturer: SCHNEEBERGER
	Type: DMR GEMINI
	Year of manufacturing: 2005
	Parameters: 5-axis CNC tool grinder GEMINY-DMR Gemini 51 DMR

Description:

SCHNEEBERGER - DMR GEMINI - 2005
5-axis CNC tool grinder GEMINY-DMR Gemini 51 DMR + profile grinder
Manufacturer: SCHNEEBERGER
Year of manufacture: 2005
Technical data of grinders:
X-axis - longitudinal slide, stroke 360 mm
Y-axis - vertical slide, stroke 270 mm
Z-axis - transverse slide, stroke 270mm
A-axis -axis for grinding on round, max. rpm 800 rpm
C-axis - grinding spindle, 370° rotation, 15 kW, adjustable speed 500-1000 rpm
Grinding machine equipment:
Control system: Fanuc 310iA5
Standard software for the production and grinding of tools for mechanical engineering
Automatic central lubrication
Automatic fire extinguishing system
Hydraulic workpiece clamping
Electrostatic vapor separator
Measuring probes
Hydraulic workpiece clamping
In addition to the standard equipment, both grinders also have special accessories:
-UPP-Ultra Precision Package-linear rulers 0.1 micron for the X, Y axes
-grinding spindle motor 15 kW
-OPC-Optical Profile Control-camera on the grinding spindle-integrated video coordinate system in the machine for measuring the profile of pre-ground and ground tools.
-QUINTO- profile tools dxQ /CAD/CAM/-special program for grinding profile tools.
This program, together with OPC, allows you to produce PROFILE TOOLS on grinders - it combines two types of machines into one: a profile grinder /e.g. PTW, AMADA/ and a 5-axis CNC tool grinder, which greatly expands the possibilities of using these machines.

-Round grinding machine - a fixture for round grinding with a continuously programmable servo motor.

With this software and cameras, we have a classic 5-axis CNC grinder + profile grinder and we have greatly expanded our production capabilities and the ability to reach a much larger range of customers.

So we have two grinders in one machine - a toolmaker 5-axis CNC grinder and a profile grinder.