



HEDELIUS Maschinenwerk GmbH, (Meppen, Germany) presents a true innovation in five-axis machining with the RS 100K **ROTASwing® machining centre.**

Designed as a production island, the HEDELIUS RS 100K represents a new milestone in boosting the economic efficiency of machining complex one-off parts and demanding small-run jobs.

The HEDELIUS RS 100K **ROTA**Swing® machining centre, which features a rotary/tilt unit for simultaneous five-axis machining as well as a rigid table, is conceived especially for tool and die work and offers users in the tool-and die-making sector superior surface quality and contour accuracy at high feed rates.

This unique machine concept can fulfil all requirements, regardless of whether the job calls for five-sided or six-sided machining in tool- or die-making or series production of large workpieces. With its three- or four-axis workspace and supplementary five-axis workspace, the RS 100K is exceptionally versatile.

The right-hand workspace can be used for three- or four-axis machining of reference or clamping surfaces with a travel of 1550 or 2550 mm, while

the left-hand workspace can be used for five-axis full machining.

The left-hand workspace operates using the **ROTA**Swing® method, which guarantees the user extremely high precision and cutting capacity with five-axis simultaneous machining because the direct-drive main spindle is always oriented parallel to the main axes, even with workpieces weighing as much as 1200 kg.

The CELOX® motor spindles deliver up to 55 kW with torques as high as 360 Nm. Even high-strength materials can be machined easily thanks to this power.

Speeds up to 10,000 rpm with an SK 50 or HSK 100 holding fixture further highlight the capabilities of this machining centre.

The interference circle diameter of the rotary/tilt unit is more than 1000 mm. The production island is rounded out with a robust tool changer with a magazine capacity of 30 or 50 tools.