5-AXIS MACHINING CENTRE
UNIFLEX

Best machining
solution

UniFlex vertical machining centres are among the best in their class for speed, dynamics, compact design, stability and reliability. Powerful enough for high milling performance, the UniFlex series is available with two, three, four spindles or multiple profiles and features: 5-axis machining, reliably high productivity, highest precision and machining quality, minimal space consumption, simple operation, high stability, high dynamics and easy maintenance.

ADVANTAGES

Benefits of UniFlex

Thanks to its modular design and numerous configuration options, each UniFlex series base machine can be combined to provide a fully customised solution for every challenge.

UniFlex Series benefits:
- High precision and processing performance
- High machine productivity and lower cost per piece
- Ready for Industry 4.0
- 5-axis machining
- 1/2/4 spindle design

UNIOR ®
Special Machines

UNIOR d.d. - Special Machines
Rudniška 18
3214 Zreče

MACHINE DESIGN

3 Standard versions and optional special versions (on request):

- 1-Spindle 5-axis machining centre
- 2- Spindle 5-axis machining centre
- 4-Spindle 5-axis machining centre
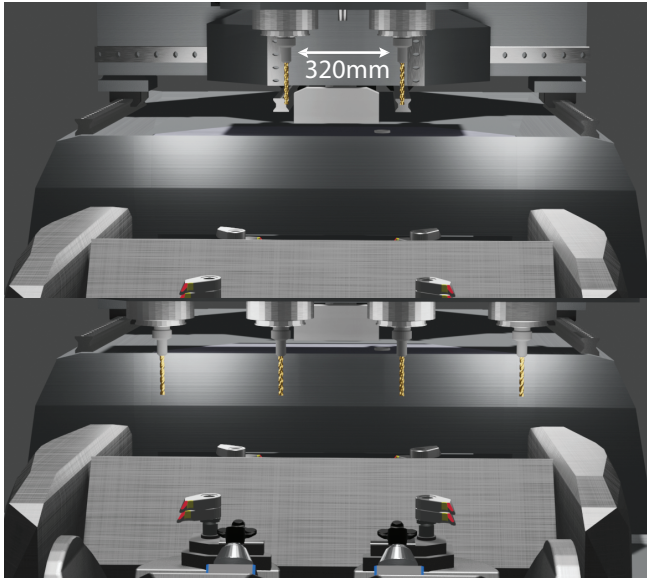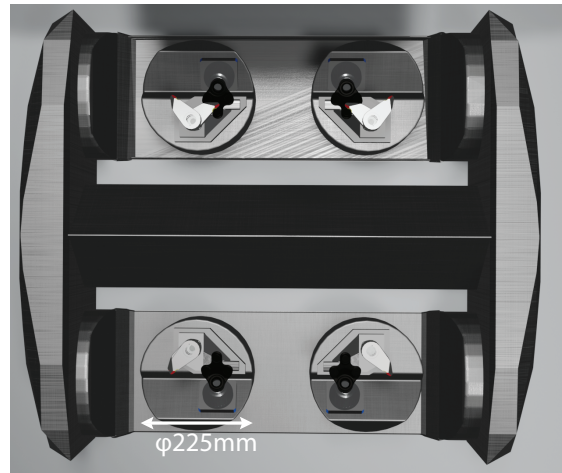- Special version on request

Table setting:

- 5-axis version with A-axis
- 5-axis version with double A-axle and table with B-axle
- 4-axis version with single or double A-axis

320mm

φ225mm

OPTIMUM WORKPIECES

The machine is designed for machining various components for the automotive, tooling, manufacturing and aerospace industries. The machine is best suited for 5-axis machining of forgings or alloys made of steel, cast iron or aluminium alloys.

TECHNICAL DATA

Working area		
X-axis	mm	360
Y-axis	mm	400
Z-axis	mm	360
Working spindle		
max. rev.	U/min	14.000
max. power	kW	15
Type of chuck	HSK	63
Distance between spindles	mm	320
Acceleration		
X-axis	m/s^2	10
Y-axis	m/s^2	10
Z-axis	m/s^2	10
Accuracy		
Position tolerance	mm	<0,01
Position deviation	mm	0,005

Tool magazine		
Magazine		do 2x 74
Tool length max.	mm	300
Tool diameter	mm	φ140
Controls		
SIEMENS	ONE	with PPU1740
Cooling		
Through the spindle	l/min	60
Workpiece		
Dimensions	mm	300x400
Size of NC-planets	mm	φ225
Machine data		
Weight	kg	10.000
Height	mm	2.850
Width	mm	2.000
Length	mm	4.500

*Technical data may vary due to specific customer requirements.

PRESENT:

GERMANY   CZECH REPUBLIC   USA   BRAZIL   TURKEY

FRANCE   SLOVAKIA   ARGENTINA   SOUTH AFRICA   CHINA

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