



C20 C SERIES

THE COMPACT VERSION

Performance, precision and universality all in one? No question, the C series can do it. It includes one of our most versatile machines: the C 20. Constructed in modified gantry design, it provides the required workpiece dependent dynamics by virtue of three axes in the tool and simplifies the automatic tool change by the pick-up method.

Technical Data

Traverse X-Y-Z:	600-450-450 mm
Speed:	10,000 / 18,000 / 40,000 rpm
Rapid traverses X-Y-Z:	45 m/min
Control:	iTNC 530 / S 840 D

Rigid

clamping table:	800 x 465 mm
Max table load:	1,000 kg

NC-swivelling rotary table

Clamping surface:	Ø 280 mm
Swivelling range:	+/- 115°
Max table load:	300 kg



BMT

C30
C SERIES

THE DYNAMIC VERSION

Universal machining centres based on modular design and therefore multi-purpose. These two constructional wonders in modified gantry design set new standards in 5-axis machining ...

Technical Data	
Traverse X-Y-Z:	650-600-500 mm
Speed:	10,000 / 18,000 / 28,000 / 40,000 rpm
Linear rapid traverses X-Y-Z (dynamic):	45 (60) m/min
Control:	iTNC 530 / S 840 D
Rigid	
clamping table:	900 x 650 mm
Max table load:	1,500 kg
NC-swivelling rotary tables	
Clamping surface:	Ø 280 mm
Swivelling range:	+/- 115°
Speed of A axis (dynamic):	25 (55) rpm
Speed of C axis:	40 rpm
Max table load:	300 kg
Clamping surface:	Ø 630 mm
Swivelling range:	+30° / -115°
Speed of A-/C-axes:	25/65 rpm
Max. table load:	1,000 kg



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C40
C SERIES

THE DYNAMIC VERSION

... three axes in the tool make it, independently of the workpiece, as dynamic as never before. Specified speed for rapid traverses and feeds 60 m/min: This is what we understand by efficiency à la C 30 and C 40.

Technical Data	
Traverse X-Y-Z:	850-700-500 mm
Speed:	10,000 / 18,000 / 28,000 / 40,000 rpm
Linear rapid traverses X-Y-Z (dynamic):	45 (60) m/min
Control:	iTNC 530 / S 840 D
Rigid	
clamping table:	1,070 x 700 mm
Max table load:	2,000 kg
NC-swivelling rotary tables	
Clamping surface:	2 x Ø 280 mm
Swivelling range:	+/- 115°
Speed of A-/C-axes:	55 / 40 rpm
Max table load:	2 x 300 kg
Clamping surface:	Ø 420 mm
Swivelling range:	+91° / -139°
Speed of A-/C-axes:	55 / 65 rpm
Max table load:	600 kg
Clamping surface:	Ø 800 mm
Swivelling range:	+25° / -110°
Speed of A-/C-axes:	25/65 rpm
Max table load:	1,400 kg



BMT

C42
C SERIES

THE DYNAMIC VERSION

High-dynamics machining center designed even more consistently for 5-axis/5-side machining. Features galore to ensure high-precision, economical parts production. Wide range of automation solutions extend the application range many times over.

Technical Data

Traverse X-Y-Z:	800-800-550 mm
Speed:	10000 / 15000 / 18000 / 25000 rpm
Linear rapid traverses X-Y-Z :	60 m/min
Control:	iTNC 530 / S 840 D SL
Rigid	
clamping table:	1,050 x 805 mm
Max table load:	2,000 kg
NC-swivelling rotary tables	
Clamping surface:	Ø 420 mm
Swivelling range:	+/- 130°
Speed of A-/C-axes:	55 / 35 rpm
Max table load:	600 kg
Clamping surface:	Ø 440 mm
Swivelling range:	+/- 130°
Speed of A-/C-axes:	55 / 65 rpm
Max table load:	450 kg
Clamping surface:	Ø 800 x 630 mm
Swivelling range:	+/- 130°
Speed of A-/C-axes:	25/65 rpm
Max table load:	1,400 kg



C50 C SERIES

THE POWERFUL VERSION

Simultaneous machining of 2000-kg workpieces in 5 axes. Achieving the required precision is a challenge for the machine dynamics. The Machining Center C 50 dynamic with two NC swivelling rotary table versions.

Technical Data

Traverse X-Y-Z:	1,000-1,100-750 mm
Speed:	9,000 / 12,000 / 18,000 rpm
Linear rapid traverses X-Y-Z:	60-60-55 m/min
Control:	iTNC 530 / S 840 D

NC-swivelling rotary tables

Clamping surface:	Ø 700 mm
Swivelling range:	+100° / -130°
Speed of A-axis:	20 rpm
Speed of C-axis:	30 rpm
Max table load:	2,000 kg
Clamping surface:	Ø 1,150 mm
flattened to:	900 mm
Swivelling range:	+100° / -130°
Speed of A-axis:	20 rpm
Speed of C-axis:	30 rpm
Max table load:	2,000 kg



C60 C SERIES

THE GIGANTIC VERSION

The mega-machining center is capable of 5-axis machining up to 2500 kg with circle monitoring available up to Ø 1400 mm. High-tech spindles with high torque or speed. The C 60 is also installed free of foundation and doesn't require disassembly for transport.

Technical Data

Traverse X-Y-Z:	1,200-1,300-900 mm
Speed:	9,000 / 10,000 / 12,000 / 18,000 rpm
Rapid traverse in all axes:	50 m/min
Control:	iTNC 530 / S 840 Dsl
NC-swivelling rotary tables	
Clamping surface:	Ø 900 mm
Swivelling range:	+/- 130°
Speed of A-axis:	15 rpm
Speed of C-axis:	30 rpm
Drive type of C axis:	torque
Max table load:	2,500 kg
Clamping surface:	Ø1,350 x 1,100 mm
Swivelling range:	+/- 130°
Speed of A-axis:	15 rpm
Speed of C-axis:	30 rpm
Drive type of C axis:	torque
Max table load:	2,500 kg