

Technical Data CR 27 Standard

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Details	Clause One Death interested DC in well-in second
Controlller	Siemens 840 D with integrated PC in mobile panel
	alternatively BWO 920-C with prepared network interworking
Routing spindle	HSK F 63, water-cooled, 12 kW available from 6,000 rpm,
	infinitevely variable speed regulation from 1,000 up to 24,000 rpm
Unit	Universal unit with Z axis stroke 800 mm, A 540°, B +/- 98°,
	A/B mounted at an angle of 50°
Extraction	Dust and chip collecting basket mounted to the unit,
	vertically adjustable via CNC, extraction connection 1 x dia. 300
A	
Axis drive technology:	X axis toothed rack
	Y axis toothed rack
	Z axis recirculating ball screw
Machine table	4 supporting bars in Y axis direction
Clamping station	Vacuum clamping device, 1 vacuum clamping circuit per table
Protection device	Swivel doors at the front, safety guard with 1 door at the rear side,
	safety blind between the tables, roller shutters
Wedter males to a select	
Working envelope in 3- and 5	
Conditions:	Tool dia. 160 mm, total tool length 160 mm
	X = 1,500 mm, Y = 1,500 mm, Z = 420 mm
Traval anada	V (5 m/min V (5 m/min 7 o) m/min A/D (5 o o o o o/min
Travel speeds	X = 45 m/min, Y = 45 m/min, Z = 24 m/min, A/B = 10,000 °/min
Driving dynamics	
Driving dynamics	V V 7. idla warning a m/ass? anavation food a m/ass?
Acceleration:	X, Y, Z: idle running 3 m/sec ² , operation feed 1.5 m/sec ²
Tool changer	
_	Chain tune tool magazine with 12 tool places (standard) 16, 27, 22
Features:	Chain-type tool magazine, with 12 tool places (standard) 16, 24, 32
	optional, dia. 160 mm, total length 160 mm. (dia. 90 with magazine with
	24, 32 tool places) tool weight max. 6 kg
	a saw blade with a max. dia. 350 mm,
	pick-up tool place for saw blade dia. 450 mm
Installation data:la	
Installation details:	anney to one by with 7 axis strate :
Machine weight:	approx. 10,000 kg with Z axis stroke 1,500 mm
Required space:	approx. 8,100 x 5,800 x 3,600 (w x d x h) incl. operation and safety space.

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CR 27



with 5-Axis Technology

for high-speed machining of wood-derived products and aluminium

CR 27

CNC Machining Centre with 5-Axis Technology

for high-speed machining of wood-derived products and aluminium



Routing unit

on request

As standard-type spindle we offer the HSK F 63 spindle. Other spindle types are available



Tool magazineChain-type tool magazine with
12, 16, 24, 32 tool places are

possible



Machine table
Top table, alternatively with
supporting bars



CNC controller Latest controller generations: Siemens 840 D or BWO 920

Fields of application

The design of the **CR 27** is based on a field-proven concept. Machines with stationary gantry enable high travelling dynamics and thus stand for first-class routing results. This series meets the high standard of those manufacturers requiring three-dimensional machining and machining on multiple sides.

This machining centre has been designed for precise machining operations and is used in the vehicle and vehicle equipment industry, by manufacturers of components for technical products as well as by manufacturers of furniture.

The **CR 27** for the machining of aluminium is of special design and specifically

Required space

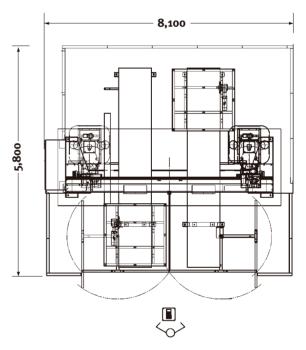
approx. 8,100 x 5,800 x 3,600 (w x d x h)

suited to the requirements of light metal machining.

Dynamic rigid design, a high-duty routing unit and a large tool magazine together with the field-proven 5-axis technology allow complete machining operations with only one clamping. Due to the machine design with mobile tables, precision is achieved with high dynamics.

A special tool place for a saw blade with a max. dia. of 450 mm can optionally be provided in the chaintype tool changer. A vertically adjustable protection and extraction bin reduces the danger from ejected chips and dust.

Machine weight approx. 10,000 kg with Z axis stroke 1,250 mm





Dust and chip collecting basket mounted to the routing unit, vertically adjustable via CNC



Aluminium machining:Vacuum fixture for the
machining of skateboard blanks