

MAKA move

Technical data

Details	
Controller	Siemens 810 D
Working units	
Routing spindle	universal unit HSK F 63, water-cooled, 11 kW, infinitely variable speed regulation up to 24,000 rpm
Multiple-spindle drilling unit optional	in L shape, 9 vertical spindles, individually selectable swivelling grooving saw with 1 integrated horizontal double drilling spindle, 0° and 90°, or multiple spindle drilling unit with 13, 16, 19 spindles incl. integrated horizontal double drilling spindles in X and Y and integrated grooving saw
Extraction	extraction hood mounted to the working unit, connection 1 x 300 mm
Axis drives	X-axis recirculating ball screw Y axis gear rack, gantry drive Z axis recirculating ball screw
Machine table with Y = 6.000 mm	8 supporting bars with 2 suction pads ea. system Schmalz
Clamping station	for alternating loading with Y – 6.000 mm, 2 stations
Safety guard	light barriers in the loading area safety guards at the lateral and rear side optional
Working area in 3-axis operation	
Condition main spindle	tool dia. 20 mm, total tool length 130 mm X = 1,590 mm, Y = 6,000 mm, free passage width Z 250 mm
Machining capacity	
Carbide roughing cutter Ø 20 solid wood beech	feed rate 8 m/min routing depth 55 mm
Travel speeds	X = 60 m/min, Y = 80 m/min, Z = 24 m/min
Tool magazine Data	drum-type tool magazine, horizontal, 10 tool places (16 optional), total tool length 130 mm tool diameter with assorted deposit max. 160 mm, max. tool weight 6 kg, deposit of angular heads is possible
Installation details	
Machine weight	approx. 10,000 kg with a Y axis stroke of 6,000 mm
Required space with usable length 6,000	approx. 10,000 mm x 2,400 mm x 2,600 mm (l x w x h) incl. operating area

MAKA – Max Mayer Maschinenbau GmbH

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MAKA move



CNC Machining Centre
for the machining of wood, plastics,
composite material
and for long workpieces

Subject to technical alterations. Stand 11/2004/2939/pdf

Competence by experience

The company

MAKA – Max Mayer Maschinenbau GmbH – is an owner-managed company, deeply rooted in the Swabian machine building tradition, with a workforce of around 170. MAKA can draw on almost 50 years of experience in mechanical engineering and over 25 years of experience in the building of CNC machines, putting it at the cutting-edge of this technology for woodworking, aluminium machining as well as plastics and composites processing.

In addition we also supply solutions which are of a great response by manual workers and industrial producers at the same time. Be it manufacturers of motor vehicles, aircraft, rail vehicles, boats, facade construction as well as furniture, doors and stairs construction and moreover in the field of deep-drawn components or acrylic glass – top name manufacturers in these sectors all use high-speed machining centres.

The application of 3- and 4- axes technics enables the standardized CNC-machining centers **MAKAtwin** and **MAKAmove** to provide a great variety of possibilities of processing and convince by productivity and flexibility.



Company philosophy

Our products are continually improved, gaining technical maturity in long-established development processes. This capability is the result of continuous creativity. The CNC machining centers **MAKAtwin** and **MAKAmove** are completely featured by MAKA and manufactured in a foreign production site. All important features are produced in Europe which ensures the high MAKA quality demand.

Under the service principle of “everything from one source” MAKA aftersales service personnel are available through a hotline service to look after MAKA CNC special machines all over the world – even on Saturdays. Their activities cover the machine’s control system and electronics as well as its mechanical parts. Availability of all spare parts is guaranteed for 10 years, which is a great advantage for customers.

Closeness to our customers is part of the MAKA service. Representatives in Germany and abroad have experienced CNC specialists available to advise customers, our comprehensive customer-oriented consulting service drawing on years of experience and a high level of technical know-how.

In addition, the well equipped demonstration centre in Nersingen provides further support for our comprehensive consulting service, while MAKA can also organize visits to reference projects, if required.

Areas of business

Woodworking

Be it for machining building elements such as windows, doors and stairs, or for components for furniture manufacturers, interior finishing, vehicle manufacture and wood products – MAKA woodworking machines **MAKAtwin** and **MAKAmove** are used in all these sectors, evidence of MAKA’s first-class reputation as a manufacturer of CNC machines.

Plastics processing

Plastic panel processing is a market segment where e.g. manufacturers of filtration panels or panels for technical application successfully make use of MAKA machining centres. The machining centres are well-known for their extraordinary routing performances with utmost precision and allow a big variety of processing possibilities.

Composites

MAKA CNC machining centres are moreover applied for compound and sandwich material processing, rounding off the diverse range of potential applications. MAKA CNC special machines are also appreciated by firms in diverse areas due to their reliable and easily-applicable equipment of the high level of MAKA technics.



MAKA move



Routing spindle

As standard spindle we offer HSK F 63 with 11 kW



Multi-spindle routing unit

In L-shape, 9 spindles, individually selectable



Tool magazine

Drum-type tool magazine with 10 magazine places



Machine table

8 supporting bars with 2 vacuum suction pads, each of „Schmalz“ system.

Range of applications

The universal machining centre **MAKAmove** of gantry-type design with 3 and 4-axis technology allows precision machining of workpieces with a max. length of 6,000 mm of wood, plastics and composite material.

This series is best suited for manufacturers of interior fittings as well as for suppliers for furniture industry, manufacturers of kitchen panels, stairs, doors, windows and plastic panels for technical applications.

Manufacturers profit from the MAKA state-of-the-art technology, the Siemens controller technology and a top price-performance ratio. Field-proven mechanical and electronic components together with high acceleration speeds and machine precision stand for reliability and durability.

