

P R E M I U M

Options

Description	Article no.
Front clamp. range 250 mm	CM05-BP-FSB250
Front clamp. range 500 mm	CM05-BP-FSB500
Rear clamp. range 250 mm	CM05-BP-HSB250
Passage 300, lift 290 mm	CM05-BP-DL300
Passage 400, lift 390 mm	CM05-BP-DL400
Passage 500, lift 490 mm	CM05-BP-DL500

On request, there are individual extras available which are not listed in the following chapters:

- workpiece-specific fixation with pneumatic clamping devices
- multi-spindle solutions for a quick serial production of identical workpieces
- axis covering for the y guiding rails
- bridge support for the z axis
- enhanced drive motors 7 A

Order numbers

Description	Article no.
Basic system	
CAM 0505 Premium	CM05-BP-CAM-0505
CAM 1005 Premium	CM05-BP-CAM-1005
CAM 1010 Premium	CM05-BP-CAM-1010
CAM 1015 Premium	CM05-BP-CAM-1015
CAM 1020 Premium	CM05-BP-CAM-1020
CAM 1510 Premium	CM05-BP-CAM-1510
CAM 1520 Premium	CM05-BP-CAM-1520
CAM 1525 Premium	CM05-BP-CAM-1525
CAM 2010 Premium	CM05-BP-CAM-2010
CAM 2015 Premium	CM05-BP-CAM-2015
CAM 2025 Premium	CM05-BP-CAM-2025
CAM 2030 Premium	CM05-BP-CAM-2030

Maximum variety regarding size and equipment

The Premium line is also more flexible regarding the size of the machine. Starting with a positioning range of 550 x 510 mm, there are numerous machine sizes in 500 mm steps available. The standard z axis lift can be either 190, 290, 390 or 490 mm. In principle it is also possible to manufacture **special designs** or to integrate the machines into complex industrial production environments. The inputs and outputs of the controller allow the use of additional automation technology.

The machines can additionally be equipped with a housing for safety, cleanliness and noise protection reasons. The **housings** are available in different variants, either partly or completely enclosed, and with different door solutions. For more information, please see page 72.



CAM 1010 Premium,
here with half-height
housing without a gate.

Dimensions

Model	x/y positioning range (mm)	Mounting area (mm)	z axis lift (mm)	z passage height (mm)	Ext. dimensions (W x D in mm)**
CAM 0505 Premium	550 x 510	600 x 800	190, 290*, 390*, 490*	200, 300*, 400*, 500*	1,355 x 1,085
CAM 1005 Premium	1,050 x 510	1,100 x 800	190, 290*, 390*, 490*	200, 300*, 400*, 500*	1,855 x 1,085
CAM 1010 Premium	1,050 x 1,010	1,100 x 1,300	190, 290*, 390*, 490*	200, 300*, 400*, 500*	1,855 x 1,585
CAM 1015 Premium	1,050 x 1,510	1,100 x 1,800	190, 290*, 390*, 490*	200, 300*, 400*, 500*	1,855 x 2,085
CAM 1020 Premium	1,050 x 2,010	1,100 x 2,300	190, 290*, 390*, 490*	200, 300*, 400*, 500*	1,855 x 2,585
CAM 1510 Premium	1,550 x 1,010	1,600 x 1,300	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,355 x 1,585
CAM 1520 Premium	1,550 x 2,010	1,600 x 2,300	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,355 x 2,585
CAM 1525 Premium	1,550 x 2,510	1,600 x 2,800	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,355 x 3,085
CAM 2010 Premium	2,050 x 1,010	2,100 x 1,300	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,855 x 1,585
CAM 2015 Premium	2,050 x 1,510	2,100 x 1,800	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,855 x 2,085
CAM 2025 Premium	2,050 x 2,510	2,100 x 2,800	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,855 x 3,085
CAM 2030 Premium	2,050 x 3,010	2,100 x 3,300	190, 290*, 390*, 490*	200, 300*, 400*, 500*	2,875 x 3,594

* optional equipment

** depending on the equipment of the machine, the external dimensions may slightly differ
The height of the machine varies depending on passage height/z axis and a possible housing.
The Premium machines are available in more intermediate sizes – just ask us.

Classic
LinePremium
LineActive Pro
LineActive Mold
LineMachining
UnitsFixing
DevicesMeasuring
DevicesPeripheral
Equipment

Software

Accessories

Premium line

Due to its construction with two y axes left and right of the mounting area we can provide your system with **recesses in the machine table**. An already standardized variant of this is the so-called **front clamping range** where you can fix your workpieces vertically (see images on the opposite page and on page 24). The workpieces may reach nearly down to the ground while they are worked on at their top. This front clamping range has a depth of 250 or 500 mm and the width of the x positioning range (see table). For holding fixing devices, it is equipped with a T-slot plate.

Front clamping range for very high workpieces

The front clamping range is very commonly used for the **housing production**, where longer housings or similar workpieces have to be machined also at their fronts. The rest of the mounting area of the machine can be used as usual for fixing and machining your workpieces. Especially for larger machines, an (additional) **rear recess** facilitates the loading and adjustment of workpieces in the rear area.

P R E M I U M

Controller CNC 980+

- The scope of delivery of your basic system includes the controller CNC 980+ which can drive up to five axes simultaneously. Its powerful output stages always ensure a smooth machining process. You will find a detailed description of all features on page 23.



Premium Pro package

For even **more reliability, rigidity and driving force** of your milling machine, we have compiled the Premium Pro package for an especially favourable price. It combines the following features:

- The **axis covering** (photo below left) completely covers the rubber lip protected openings of the guide rails of the linear axes. So it effectively prevents that chips may impair the drive units – especially recommended when you are more often working without a suction unit.
- The **bridge support** (photo below right) stabilizes the x axis with an additional U-beam which is equipped with traction and pressure screws in order to enable an optimum fine adjustment – especially recommended for broader bridges.
- **Enhanced drive motors** with 7 A instead of 5 A current intensity facilitate an even more powerful machining of your workpieces.

Description
Premium Pro package

Article no.
CM05-BP-PPP



Axis covering



Bridge support



Detail view of the bridge with the z axis of a CAM 1525 Premium with high frequency spindle SF 650P.

Classic Line

Premium Line

Active Pro Line

Active Mold Line

Machining Units

Fixing Devices

Measuring Devices

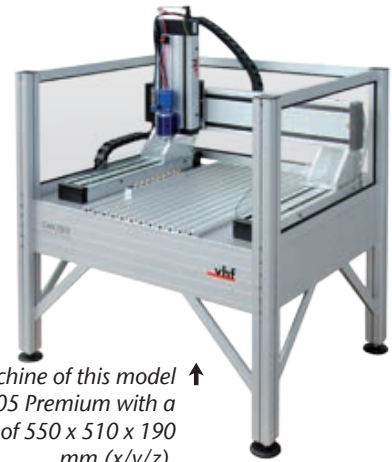
Peripheral Equipment

Software

Accessories

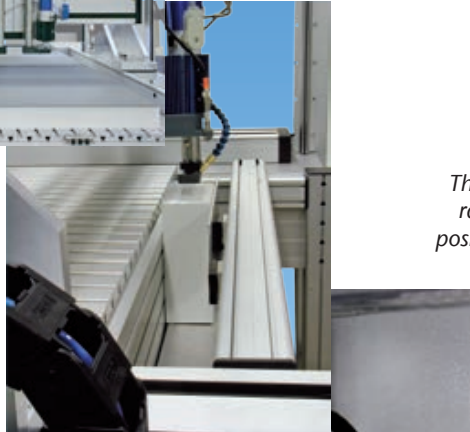


← Multiple spindle systems for processing several workpieces on a larger panel.



↑ The smallest machine of this model range: CAM 0505 Premium with a positioning range of 550 x 510 x 190 mm (x/y/z).

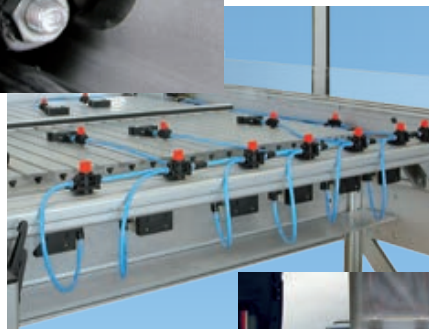
→ Detail view of the front clamping range of a CAM 1010 Premium – very practical for working on housings etc.



→ Ball screws of high alloy steel ensure stability, highest precision and a reliable power transmission from the High-Torque drives.



→ Just ask us if you need a special solution for fixing your workpieces – we offer many possibilities to minimize your setup times.



→ Two y axes with double linear guides each enable a low-vibration operation and thus guarantee clear-cut results when milling or engraving.



↑ The largest of its type: CAM 2030 Premium with a positioning range of 2,050 x 3,010 x 190 mm (x/y/z).

→ Extra high passage (here 500 mm) with long z axis.



Classic Line

Premium Line

Active Pro Line

Active Mold Line

Machining Units

Fixing Devices

Measuring Devices

Peripheral Equipment

Software

Accessories