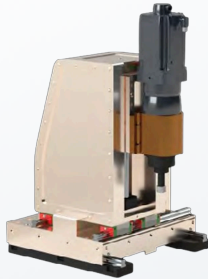


ON-SITE CNC MILLING MACHINE

SMM500 CNC

CNC SIEMENS SINUMERIK ONE

SMM500 CNC



CNC milling brought straight to the part, with workshop tolerances.

The SMM500 CNC on-site milling machine is the ideal solution for those needing precise, high-quality milling directly on site, without dismantling the component and shipping it to the workshop.

With its mobility, versatility and SIEMENS SINUMERIK ONE control, the SMM500 CNC is perfect for industrial applications, on-site repairs and large-scale projects, offering exceptional results and a quick return on investment.

250 mm
X / Y

420 mm
Z

3.75 kW
SPINDLE

4200 RPM
ROTATION

±0.01 mm
ACCURACY

KEY FEATURES

On-site milling.

The SMM500 CNC is engineered to perform complex machining directly at the location, eliminating the need to transport parts to the workshop and significantly reducing machine downtime.

Compact and mobile design.

With its compact design and sturdy build, the SMM500 CNC is easily transportable and adaptable to various work environments. The machine is equipped with wheels and handles for simple and quick manoeuvrability.

High precision machining.

Despite its mobility, the SMM500 CNC provides positioning accuracy of ± 0.01 mm and repeatability of ± 0.005 mm, ensuring high-quality machining that meets the most stringent specifications.

Versatility of application.

Suitable for a wide range of materials and applications, from machining metal structures to complex components. The SMM500 CNC can be customised with specific tools and accessories to meet your project needs.

Intuitive control system.

Equipped with a CNC control system by SIEMENS, the SMM500 CNC offers a user-friendly interface that facilitates programming and operation even in complex and variable work environments.

Performance and reliability.

Featuring a powerful spindle with 3.75 kW and a rotation speed up to 4200 rpm, the milling machine ensures high performance and longevity, even under intense working conditions.

Ease of maintenance.

The modular design and simplified maintenance solutions ensure that the SMM500 CNC can be easily serviced and repaired, minimising downtime and optimising productivity.

MAIN FEATURES

X-axis stroke	250 mm
Y-axis stroke	250 mm
Z-axis stroke	420 mm
Tool location of milling spindle	HSK63
X-/Y- axis feed speed	0-800 / 1200 mm/min*
Z-axis feed speed	0-600 / 1000 mm/min*
C-axis spindle rotation speed	0-4200 RPM*
Spindle power	3.75 kW

* The speed depends on the gearbox configuration, which must be specified at the time of ordering.

CONTROL

- Siemens SINUMERIK ONE with PLC S7-1500F
- Handheld Terminal SINUMERIK HT 10 H
- SINUMERIK Safety Integrated
- Siemens synchronous servomotor 1FK7 series
- Made in Italy linear guides and high-precision ball screws

All motors are SIEMENS servo motors with absolute encoder and drive-based safety integrated functionality (high-class servo drives).

±0.01 mm
POSITIONING
ACCURACY

±0.005 mm
REPEATABILITY

HSK63
TOOL HOLDER

The part stays where it is

The SMM500 CNC brings CNC milling straight to the plant: no disassembly, no transport to the workshop, no waiting. Downtime is reduced to the machining itself.

- No transport of the part
- Reduced plant downtime
- Quick return on investment