

MACHINE DATASHEET

SEND ENQUIRY

Rollomatic ShapeSmart NP5 (2010)

Five-axis pinch/peel cylindrical grinding machine

● ARRIVING SOON



YEAR	CONDITION	AVAILABILITY	DELIVERY
2010	Used	End of September 2026 ex stock Velten	FCA Velten

SHORT DESCRIPTION

Five-axis pinch/peel cylindrical grinding machine by Rollomatic SA (Le Landeron, Switzerland) for blank preparation of cutting tools, punches, micro drills, mould and ejector pins. The machine comes with the original 2010 Rollomatic factory invoice issued for this machine — it documents the version, drives, axis travels and the equipment supplied with it. Configuration with 90° roughing spindle, GE FANUC 320iA with eight axes and an integrated three-axis loading robot for up to 1,000 blanks. Glass scales on the roughing and finishing axes with 0.00005 mm resolution, PerfectArbor wheel mount and monoblock shank guide. The machine ran at a cutting tool manufacturer in southern Germany on a central oil coolant system — a dedicated filtration/chiller unit and an extraction system are therefore not part of the scope of delivery. The first image is a manufacturer illustration of the ShapeSmart NP5 series; the further photos show the actual machine offered, as it stands before dismantling.

TECHNICAL DATA

Our Terms and Conditions apply · Technical data as per the manufacturer's documentation (Rollomatic factory invoice of 2010 issued for this machine and series catalogue) — individual values are confirmed bindingly upon inspection or on specific request · Offer non-binding, errors and prior sale reserved.



AWM-Precision GmbH
 Parkallee 5 · 16727 Velten · Deutschland
 Amtsgericht Potsdam · HRB 30034 P · USt-IdNr.: DE312793309

Type	5-axis pinch/peel cylindrical grinder with 3-axis loading robot	Grinding diameter	Ø 0.025 – 20.0 mm (per factory catalogue)
Shank diameter	Ø 1.0 – 20.0 mm (per factory catalogue)	Grinding length	max. 330 mm (per factory catalogue)
Collets	W20 (per Rollomatic factory invoice of 2010)	Control	GE FANUC 320iA, 8 axes (per Rollomatic factory invoice of 2010)
Operator interface	PC with Windows XP, Rollomatic NanoGrind, 15" screen (per Rollomatic factory invoice of 2010)	Programming	P4Smart offline programming with 2D collision simulation and DXF import (per Rollomatic factory invoice of 2010)
CNC axes	C / Y / Z / X / V + 3 robot axes UL / VL / WL	Y axis	350 mm, rapid 15 m/min, resolution 0.0001 mm (per Rollomatic factory invoice of 2010)
Z axis	100 mm, rapid 15 m/min, resolution 0.0001 mm (per Rollomatic factory invoice of 2010)	X axis (roughing)	29 mm, glass scale, resolution 0.00005 mm (per Rollomatic factory invoice of 2010)
V axis (finishing)	29 mm, glass scale, resolution 0.00005 mm (per Rollomatic factory invoice of 2010)	C axis (workhead)	0 – 3,000 rpm, resolution 0.0001° (per Rollomatic factory invoice of 2010) / 0.001° (per factory catalogue)
Roughing spindle	8.5 kW, belt drive, Ø 100 mm PerfectArbor, max. 7,600 rpm, 90° version (per Rollomatic factory invoice of 2010)	Roughing wheel	Ø 250 mm (per Rollomatic factory invoice of 2010)
Finishing spindle	1.4 kW, direct drive, Ø 100 mm PerfectArbor, max. 10,000 rpm (per Rollomatic factory invoice of 2010)	Finishing wheel	Ø 150 mm standard, Ø 200 mm possible (per Rollomatic factory invoice of 2010)
Workpiece guide	Monoblock shank guide with pneumatic pressure lever and pressure roller (per Rollomatic factory invoice of 2010)	Loading robot	3 CNC axes, rapid 40 m/min, blanks Ø 1.0 – 16.0 mm, length 30 – 300 mm (per Rollomatic factory invoice of 2010)
Magazine capacity	150 – 1,000 blanks via type A/B/C cassettes (per Rollomatic factory invoice of 2010)	Manual loading	Ø 1.0 – 20.0 mm, length 30 – 350 mm (per factory catalogue)

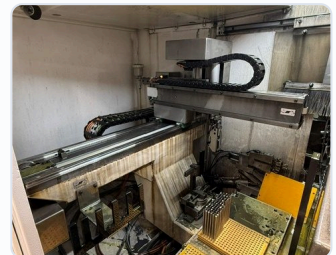
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In-process gauging	Marposs Unimar P7ME supplied ex works – presence confirmed upon inspection	Reversing station	supplied ex works – confirmed upon inspection
Process monitoring	acoustic sensor supplied ex works – confirmed upon inspection	Coolant treatment	not present – machine was connected to a central oil system (per Rollomatic factory invoice of 2010)
Extraction	not present – centrally implemented at the previous owner	Operating hours	to be read out upon inspection
Connected load	3 × 400 V, 50 Hz, max. 15 kW / 25 A (rating plate, per factory catalogue)	Dimensions L × W × H	1,830 × 1,765 × 2,441 mm (per factory catalogue)
Weight	approx. 3,000 kg (per factory catalogue)	Customs tariff no.	8460.90 20 (per Rollomatic factory invoice of 2010)

GALLERY



Included in delivery

- ✓ Machine complete: machine base, full splash guard, control cabinet, pneumatic unit, operator panel with 15" screen and PC keyboard
- ✓ GE FANUC 320iA control with 8 axes, Rollomatic NanoGrind operator interface on PC
- ✓ P4Smart software for offline programming and simulation
- ✓ Roughing station with 8.5 kW spindle (90° version) and finishing station with 1.4 kW direct-drive spindle, both with PerfectArbor mount
- ✓ Monoblock shank guide with pneumatic pressure lever
- ✓ Workhead with W20 collet mount
- ✓ Integrated three-axis loading robot with base plate for Rollomatic cassettes
- ✓ Cassettes and collets belonging to the machine — the exact scope will be listed bindingly at the time of dispatch

Optional on request

- + Demonstration, test grinding and geometric measurement — by prior arrangement only: the machine is packed and disconnected, ready for shipment; setting it up and commissioning it for a demonstration is carried out by an external service partner. We agree the effort and cost with you in advance.
- + Commissioning and instruction at your site — via an external service partner, cost on request
- + Detailed technical inspection report
- + Transport to your facility (Incoterms 2020)

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- ✓ Transport-safe packing on a wooden pallet, loading onto your truck included
- ✓ Coolant filtration/chiller unit and extraction system are not part of the scope of delivery — at the previous owner both were centrally implemented
- ✓ Fire suppression system and grinding wheels are not part of the scope of delivery

NOTE ON THE TECHNICAL DATA

The technical data above is taken from the manufacturer's documentation of Rollomatic (series catalogue) and from the original 2010 Rollomatic factory invoice issued for this machine and reproduces its content as information received (Wissensmitteilung); we have not carried out our own metrological verification of every individual value. Unless expressly agreed otherwise in the purchase contract or in our order confirmation, it therefore does not constitute an agreement on quality (Beschaffenheitsvereinbarung) or a guarantee within the meaning of Sections 434, 443 of the German Civil Code (BGB). Individual values that matter to you will be checked and confirmed on specific request or together during the inspection appointment; we expressly recommend inspecting and testing the machine before concluding the contract. The offer is without engagement; errors, technical changes and prior sale are reserved. Our statutory liability for intent and gross negligence, for injury to life, body or health, for fraudulently concealed defects and under an expressly assumed guarantee remains unaffected. In case of discrepancies, the German version of this notice prevails.