

modulo ATC 70

The new **modulo ATC 70** machining centre belongs to the most flexible of the modulo product lines.



Equipped with a compact chain type 70-position tool holder, the **modulo ATC 70** boasts a level of flexibility never before reached with the **modulo** system.

Ideal for complex parts and small batches, the **modulo ATC 70** permanently retains all the tools you need for your production lines.

From the prototype to high volume batches, use **modulo** machines to fully automate and industrialise your parts at a very competitive price.

modulo ATC – A TRUE modulo

The new modulo ATC 70 combines all the benefits of a machining centre with all the qualities of the modulo system.

Pair your modulo ATC 70 with our NC drill module, for machining holes and studs with unparal-

TOOL MAGAZINE, TOOL CHANGER, SPINDLE

The 70-position tool holder chain is equipped with a taper cleaning system. With each tool change, the tool holder tapers are cleaned by compressed air blast.

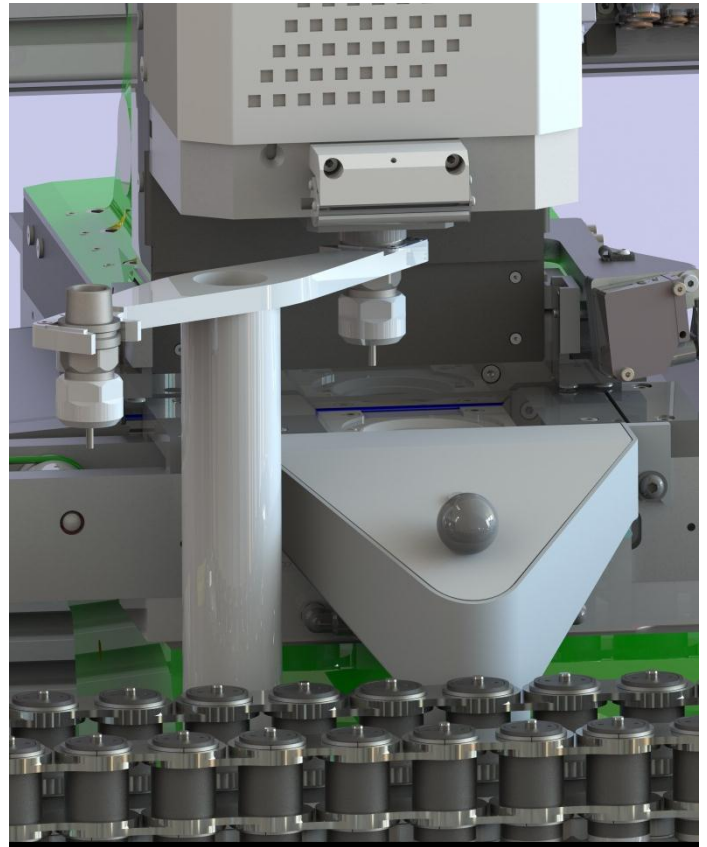
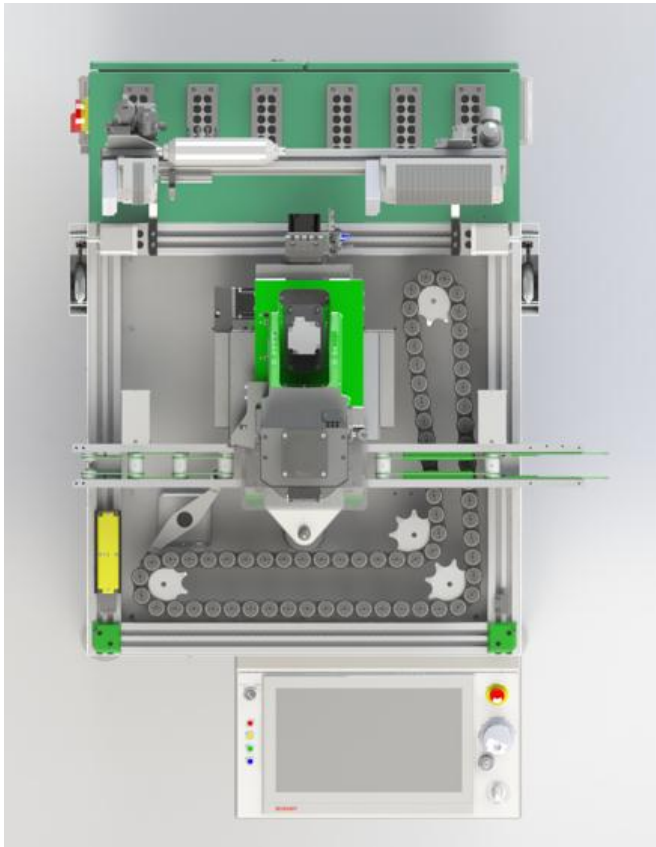
Tool clamping is quality controlled by our laser system to guarantee excellent reliability and the consistent availability of your modulo ATC 70.

leled precision, modulo AL, and our new palletising cell, modulo PAL, for a fully automated production tool.

You will have an ultra-compact production line.

It takes less than 4 seconds for the tool changer to quickly and reliably change tools between the chain type tool holder and the spindle.

Equipped with a new spindle drive, rotation speed can reach up to 35,000 rpm. Our spindles maintain excellent torque even at low speeds.



ADD TO YOUR PRODUCTION TOOL, CHOOSE FROM A VARIETY OF OPTIONS

To satisfy client requirements, we offer a variety of standard options for your modulo ATC 70. Choose our tool length measurement laser to

reduce gauging times. Or choose a high-frequency spindle with through spindle coolant (see the list of options on the last page).

SPECIFICATIONS **modulo ATC 70**

Machining station	
top X, Y, Z-axis speed	30 m/min
X, Y, Z-axis travel	50 mm
glass scale on X-axis and Y-axis (Z optional)	
built-in work zone lighting	
Spindle	
spindle – tool interface	HSK-E25
maximum spindle speed	35,000 rpm
peak spindle torque	1.2 Nm
built-in tool clamping control laser	
built-in water cooled spindle and heat exchanger	
built-in tool breakage laser	
Automation	
chain type 70-position tool holder with tool holder taper cleaning system	
tool changer with double gripper for tool change times under 4 s	
built-in automatic part clamping system	
built-in automatic part conveyor system	
connection for built-in chip evacuation vacuum	
Control	
Numerical Control (NC)	Fanuc Oi
SPS control	Beckhoff
HMI with touch screen	
CPU OS	Windows 7
connection for data transmission	USB
network connection	Ethernet (RJ45)
Dimensions	
main dimensions H x L x D	1700 x 800 x 1200
dimension of the casing H x L x D	1700 x 950 x 1400
weight	450 kg
Power supply	
compressed air	6 bar, 120 l/min
electrical power	6A, 400V

OPTIONS FOR **modulo ATC 70**

tool length measurement laser to accurately and automatically pre-gauge your cutting tools (replaces tool breakage laser)

3D sensor (indexed for high precision)

spindle with built-in high-speed motor delivering 45,000 rpm, with central cooling system for cutting tools

HSK-A25 spindle for indexed tools (unlike HSK-E25 not indexed)

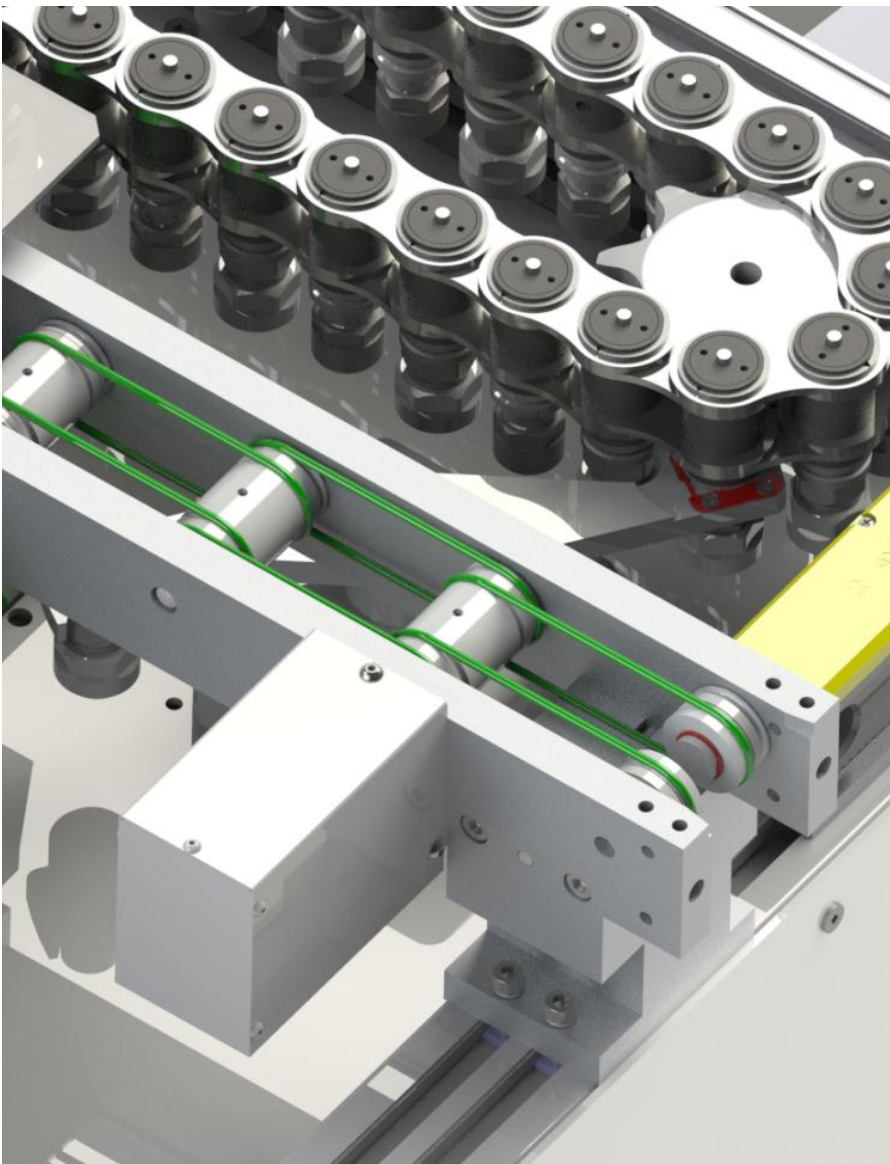
glass scale on Z-axis (supplied by default on X and Y), for improved precision on Z

light beacon with 3 to 5 colours (green, orange, red, blue, and white)

equipment for machining with cutting oil

your choice of colour for the machine

alternative NC on request



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