

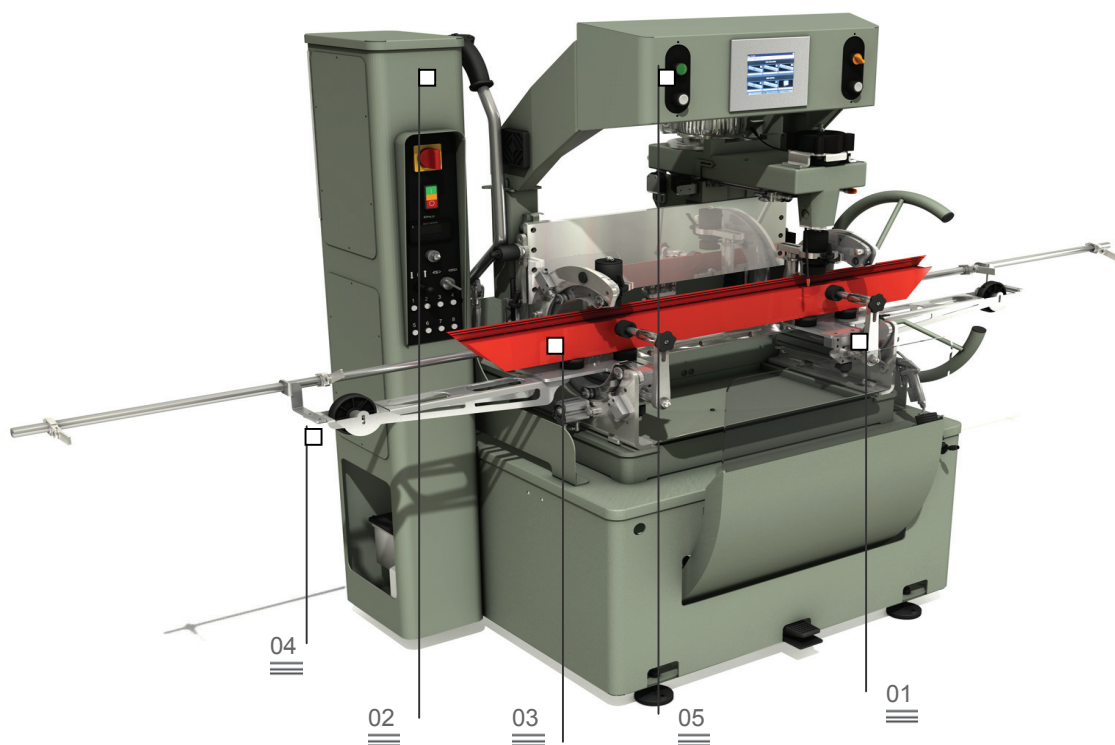
Piece rotation 01



Control joystick 02

Nanomatic 380 S

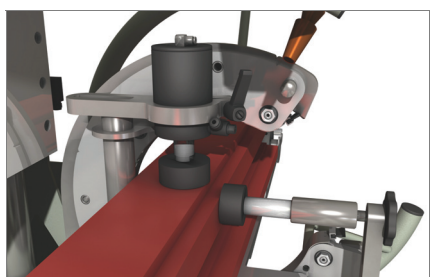
Electronic copy router



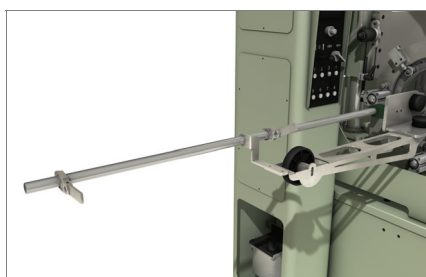
Copy router with 2 controlled axes, ideal for working aluminium, PVC and steel profiles up to 2 mm, with the possibility of working stainless steel (optional). Work cycle management takes place via intuitive software that guides the operator through simple indications on the touch screen display. The USB connection allows easy connection to the PC.

The work table rotating on 4 faces allows to obtain very high precision using shorter tools, thus avoiding passing machining and consequent problems with vibrations and noise. It has a rapid tool change system with cone ISO 30. A retractable pneumatically-controlled guard protects the operator during machining.

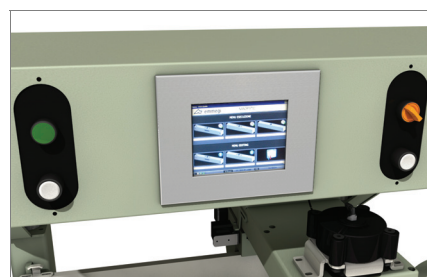
Clamps 03



Stop devices and roller conveyors 04



Numerical control 05



The images are only given for illustrative purposes

Nanomatic 380 S

Electronic copy router

01

Piece rotation

Via the release pedal, the base with rotary movement, can be moved manually with blocking on 4 pre-defined positions by pneumatic stops, for the machining to be performed on the other faces of the profile.

02

Control joystick

The lever allows to make the vertical movement of the milling unit. The motor start button is housed on the joystick and also found are the buttons that allow to select the different machine movements, without having to remove the hands.

03

Vices

The machine has pneumatically-controlled horizontal and vertical clamps with low pressure device and can be regulated manually, which assure the correct blocking of the profile in the machine.

04

Stop devices and roller conveyors

The roller conveyors positioned on the right and left support the working of the very long profiles. Moreover, a system of manually-regulated stop devices, also on the right and left, allows to position the piece in the machine correctly, taking it to the work area. The position of the stop devices to which the piece refers is indicated each time by the numerical control.

05

Numerical control

The interface with 5,7" touch screen display replaces the template and allows to define the figures to be realised and their positioning on the piece, therefore indicating the position of the relative stop device. The operator instructions are given in real time with signals and messages on the display, making the job simple and intuitive. The milling movements referring to the X and Y axes are managed electronically by the controlled interpolated axes. The descent movement of the spindle, like the rotation of the piece, take place manually. This machine is equipped with USB port in order to ease transfer of data.

FEATURES	● included	○ optional
Motor with inverter (kW)		1,1
Tool speed (revs/min)		1.000 ÷ 13.000
Travel (X-Y-Z) (mm)		360 – 150 – 140
Numerical control axes (X, Y)		2
Vertical descent pneumatic blocking system	●	
Clamps capacity at 90° (mm)		140 x 105
Rapid tool change		ISO 30
Tool attachment with collet max (mm)		Ø = 10
Horizontal and vertical clamps with low pressure device	●	
PVC adjustable clamp jaws	●	
Additional jaw for working band profiles	●	
Additional vertical clamp		○
Laser pointer		○
One tooth end-mill (mm)		Ø = 6 – 8
Mill-holder collet complete with lock-nut (mm)		Ø = 6 – 8 – 10
Oil emulsion water mist system	●	
Injection lubrication system		○
Air cooling system to –20°C and injection lubrication with 1 nozzle for machining stainless steel		○
Right and left rods with millimetre scale with 6 excludable stop devices.	●	
Central stop device		○
Right and left roller conveyor for profile support	●	
Compressed air gun for cleaning	●	
Removable swarf and refrigerant collector tank	●	
Connection to RJ45 network board		○
Windows CE operating system	●	
Standard macro figures execution software	●	
Nanocam Software for PC		○
5,7" touch screen colour LCD	●	