



5-AXIS CNC MACHINING CENTERS



STORMA SCULPTOR 3D-CNC5 / PERFORMANCE 3D-CNC5

PRODUCT LINE

Explore the incredible world of ultra-precise 3D machining of various materials with Usel Makina! Our state-of-the-art CNC machining centers with a bridge-type design can turn your most ambitious ideas into reality!



Storma Performace 3D-CNC5



SOFT METALL



ALUMINIUM



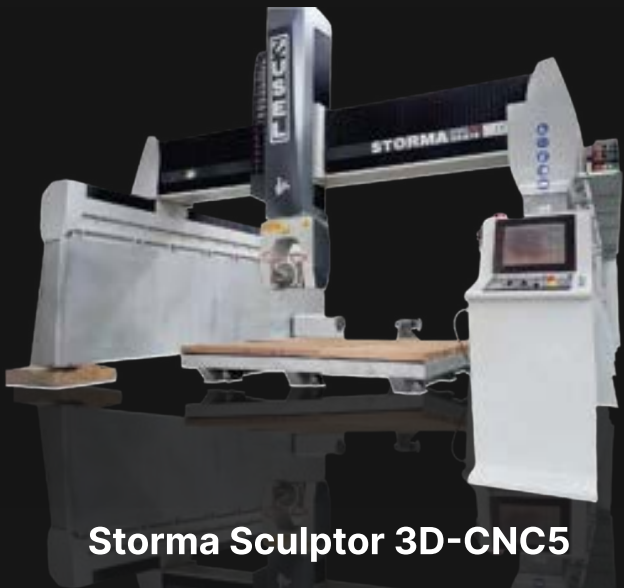
WOOD



COMPOSITE



OTHER



Storma Sculptor 3D-CNC5



MARBLE



GRANITE



CERAMIC



ARTIFICIAL
STONE



QUARTZ



STORMA PERFORMANCE 3D-CNC5

5-AXIS CNC METALL MACHINING CENTRE

This state-of-the-art, high-tech bridge machine combines metalworking, cutting and 3D block machining with the highest precision (CNC precision machining <0.01 mm).

A wide range of options, including automatic tool magazine and turning, allow you to configure the system for a wide range of applications. The high-precision, highest-quality, vibration-free 3D machining capabilities will amaze you!



PROCESSES



ORTHODONGAL CUTS



90 CUTS



BLOCK NESTING



PROFILING



HOLE MAKING



CURVE CUTS



CIRCULAR CUTS



ELIPTIC CUTS



POLISHING



CALIBRATING



MILLING



DRILLING



SHAPING



CONTOURING



POCKETING



ENGRAVING



GROOVING



Rugged steel stands. Vibration-free reinforced construction.



The highest level of speed, quality, and accuracy with precision down to 0.01 mm.



The machine meets high safety standards



5-axis 3D machining is ideal for producing complex profiles

STORMA SCULPTOR 3D-CNC5

5-AXIS CNC STONE MACHINING CENTRE

This cutting-edge, high-tech machine blends the power of a heavy-duty saw with the unparalleled precision of 3D machining to process blocks of marble and granite.

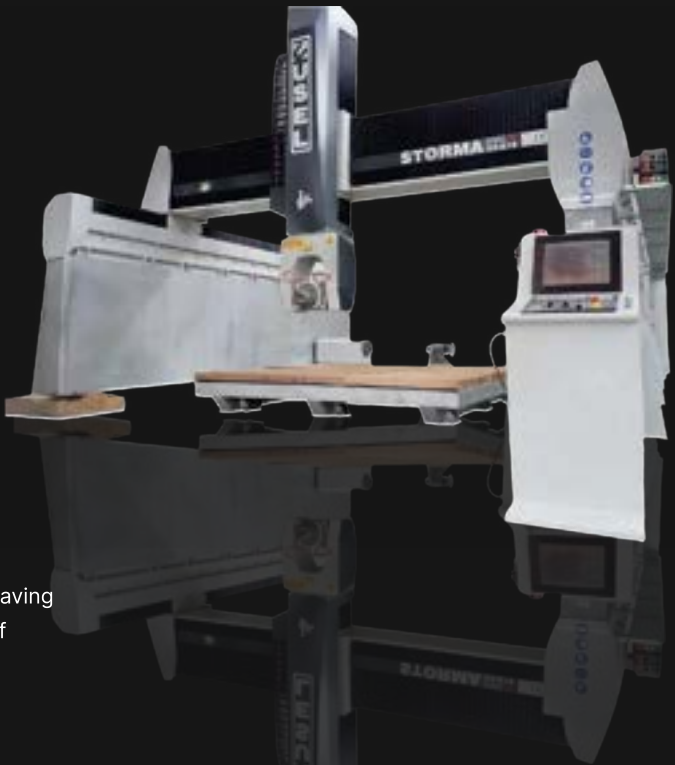
A wide variety of options, including an automatic tool magazine and turning, allow you to configure the system for a wide range of applications.

The high-precision, vibration-free 3D machining capabilities will amaze you!



Torque-Controlled Adaptive Speed Control

EcoFriendly mode is Usel's patented technology that optimizes the cutting process, saving energy costs and production costs. CNC Saw Machine can decide cutting speed itself according to thickness and density of the stone



PROCESSES



ORTHODONGAL CUTS



90 CUTS



BLOCK NESTING



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ELIPTIC CUTS



CALIBRATING



MILLING



DRILLING



SHAPING



CONTOURING



POCKETING



ENGRAVING



GROOVING



LINEER CUTS



INCLINED CUTS



45 CUTS



OBLIQUE CUTS



INCREMENTAL CUTS



SLICING



POLISHING



SCULPTING



EDGE PROFILING



CROSS CUTS

CONTROL AND SOFTWARE



Multi functional Mobile Operator Panel 15"

- Colored digital touch panel display to control and positioning of the X,Y,Z,C,A axes Automatic programming
- Multi functional (15 operator friendly control) axis joystick / feed-rate / rpm adjusting
- Blade current (Ampere) can be seen on mobile operator panel



FAGOR 8055 CNC UNIT + Built-in software interface

5 axis Digital communication control unit and servomotor / drivers

OPTION



FAGOR 8065 5 axis 17" CNC Unit PC base

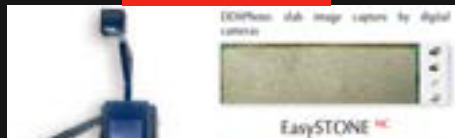
+DDX EasyStone NC Interface Software

OPTION



Software DDX EasyStone Premium

OPTION



Fotocamera (Canon) with DDXPhoto Software

OPTION



Laser Scanning System Artec

MACHINE BODY

Construction

Bridge type machine. Heavy and reinforced, non vibrational construction. Rigid (body) steel stands.

Complete Heat treatment and fully bohrwerked chasis:

- Heat treatment has been applied to all steel parts after welding to prevent residual stresses and processed in Bohrwerk.
- On the machined surface, two sides of linear rails (guides) are mounted

To provide high rust resistance, 2 lines zinc based undercoat and 2 lines acrylic painting.



Fixed Table Standart 3600x2000 mm

SPINDLE GROUP



Head rotation 0-360° (axis C)

Cutting Head can rotate 360° clockwise uninterrupted can make circular and diagonal cutting with interpolation of X,Y,C axes together. C axis is thrust with (<1') Reduction gear servomotor (Interpolation with Z axis also)

Inclination of head 0-180° (axis A)

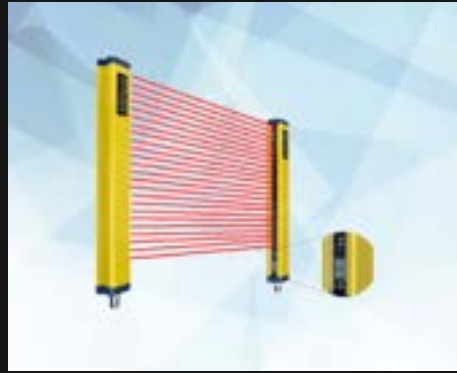
CNC controlled 5.axis is thrust with (<1') Reduction gear – servomotor Milling head rotate 0-180 with CNC controlled and can make and can make all milling profile with interpolating of X,Y,C,Z,A axes.



OPTIONS



TURNING - LATHE



Light Barrier



AUTOMATIC TOOL
CHANGER and Spindle
(20 tools)



Complete Hot Galvanised
Coating



Automatic lubrication



Milling tools



Wireless Handwheel
(Remote Control)



Supergrip Coating

TECHNICAL SPECIFICATIONS

	Storma Performance 3D-CNC5	Storma Sculptor 3D-CNC5
Max. number of interpolated axes	5+1*	5+1*
Cut Head movement (X), mm	3600-4000	3600-4000
Bridge Cross Travel (Y), mm	2000-12000	2000-12000
Vertical Travel (Z), mm	800 - 1500	800 - 1500
Head rotation (C axis)	0-360°	0-360°
Head tilting (A axis)	0-180°	0-180°
Travel Speed (X,Y) m/min	0-32,5	0-30
Max. Blade Diameter, mm	—	800
Max. cutting depth, mm	—	300
Milling height, mm	700	700
Spindle power	25	25
Spindle speed	2000-12000	0-8000
Operating voltage	380 / 50	380 / 50
Machine Dimensions (LxWxH), mm	6920 × 4940 × 4740	6920 × 4940 × 4740
Machine weight, kg	15 000	15 000

*  *Lathe (option)*

BRIDGE SAWS



Expert



Professional



Versatile



Performance



Sculptor

WATERJET CUTTING MACHINES



Precise



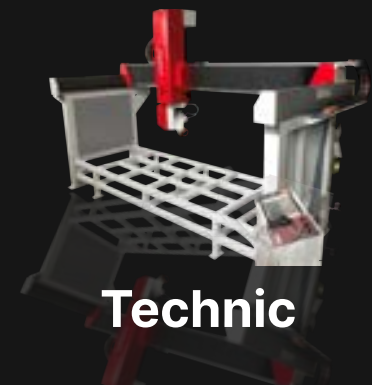
Creator



Compact



Engraver



Technic

CNC ROUTER MACHINES

WHY US?



25 YEARS OF SUCCESS IN THE MARKET



WE HAVE BEEN CHOSEN BY 260 COMPANIES
FROM 25+ COUNTRIES



HIGHEST MANUFACTURING STANDARDS



UNIQUE PRECISION PROCESSING TECHNOLOGY



EUROPEAN QUALITY AT A REASONABLE PRICE



Makina
Dijital
Makina Sanayi Dijital Donuřum Derneđi



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