



# CNC ROUTER MACHINES



**STORMA ENGRAVER R3/ TECHNIC R5**

# PRODUCT LINE

Use Makina's CNC milling machines are employed across diverse industries, such as woodworking, stoneworking, machinery, instrumentation, and metalworking. Our machines offer several benefits, including superior reliability, exceptional positioning accuracy, and rapid engraving speed. The advanced CNC controller guarantees minimum processing time and reduced costs.



**Storma Engraver R3-2212\***



**Storma Technic R5-3020\***

\* other sizes are available

## MATERIALS



STONE



CERAMIC



COMPOSITE



WOOD



SOFT METALL



ALUMINIUM



OTHER

## PROCESSES



ORTHODONGAL CUTS



90 CUTS



BLOCK NESTING



PROFILING



HOLE MAKING



CURVE CUTS



CIRCULAR CUTS



ELLIPTIC CUTS



EDGE PROFILING



CALIBRATING



MILLING



DRILLING



SHAPING



CONTOURING



POCKETING



ENGRAVING



GROOVING

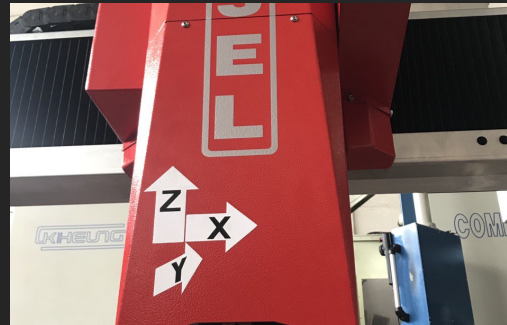


# STORMA ENGRAVER R3-2212

## 3-AXIS MONOBLOCK CNC ROUTER MACHINE

This machine offers high-quality components, reliability, ease of operation, and broad functionality at an affordable price, making it an ideal solution for small and medium-sized production.

The sturdy and stable design, free from vibrations and reinforced with a strong profile, enables high-quality milling and engraving tasks on a broad range of materials in both 2D and 3D.



Monoblock body and rigid construction.  
Does not need to be mounted



Automatic programming and transfer of  
CAD files via USB



Wide range of options for expanding  
functionality



Multifunctional mobile operator panel  
for full control

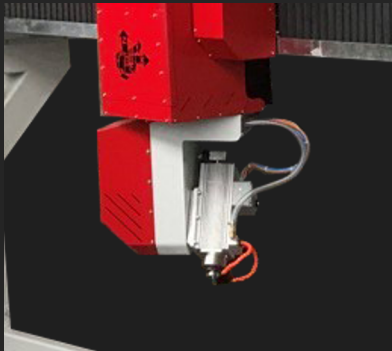


TEX PowerD high performance CNC  
module provides 3-axis operation  
control

# STORMA TECHNIC R5-3020

## 5-AXIS MONOBLOCK CNC ROUTER MACHINE

The flagship machine of the series enables high-quality machining, milling, and engraving of complex materials with its 5 interpolated axes, reinforced profile, and vibration-free design. Additionally, the machine offers a wide range of options, providing limitless possibilities.



### 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 0-90° ( axis A )

CNC controlled 5.axis is thrust with (<1') Reduction gear – servomotor Milling head rotate 0-90 with CNC controlled and can make and can make all milling profile with interpolating of X,Y,C,Z,A axes.



### OPTION

### 11" Panel CNC Unit

CNC Unit with 11" Display. Automatic programming and transfer of CAD files to the operator panel via USB Multi-functional ( 15 operator friendly controls ) Mobile Operator Panel.



Monoblock body and rigid construction. Does not need to be mounted



Automatic programming and transfer of CAD files via USB



Multifunctional mobile operator panel for full control



TEX PowerD high performance CNC module provides 5-axis operation control

# CONTROL AND SOFTWARE



## Hand Type Operator Panel

Digital display to control and positioning of the X,Y,Z 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

## 3/5-axis CNC control unit TEX

### OPTION



## DDX Easystone CAM software Basic

EasySTONE is a powerful, simple and intuitive CAD/ automated control system software adapted for STORMA machines and designed for the stone processing industry. Allows you to manage all aspects related to CNC machining.

# MACHINE BODY

## Construction

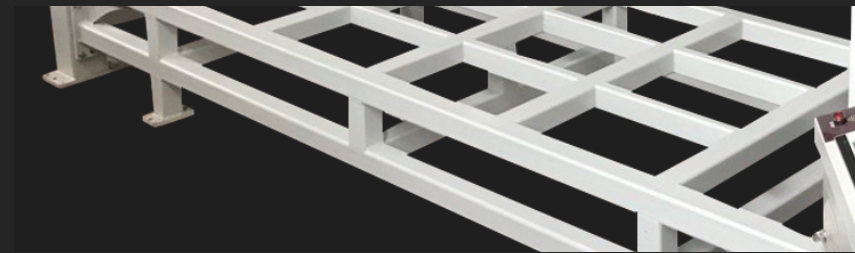
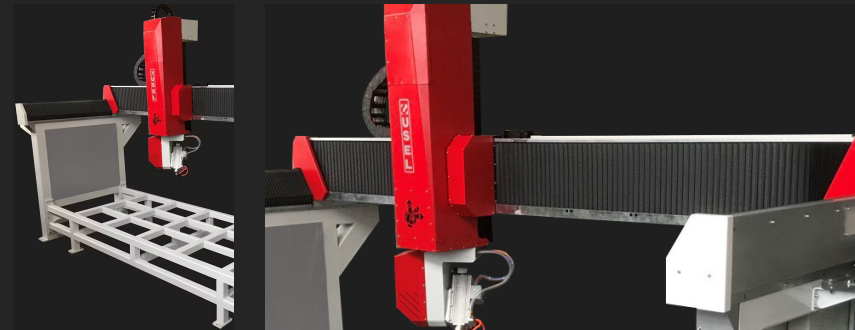
Bridge type machine. Monoblock, rigid (body), non vibrational construction. Heavy and reinforced. No need mounting

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 2200×1200 mm (Optional up to 4000×12000)

# FINISHED PRODUCTS



FUNERARY ART



BAS-RELIEFS



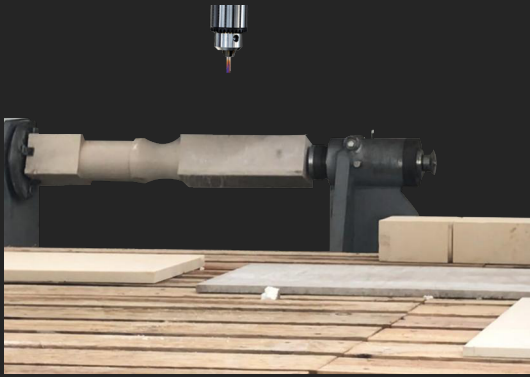
VANITY TOP



KITCHEN TOP



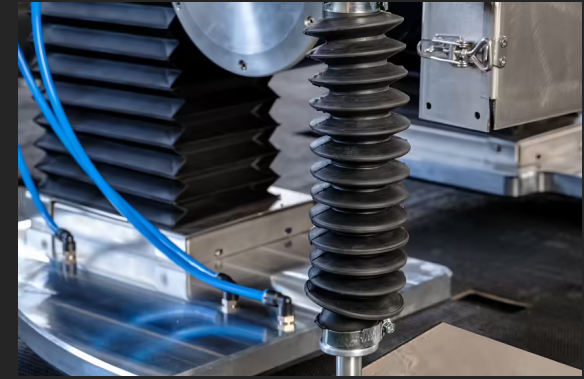
# OPTIONS



TURNING - LATHE



AUTOMATIC TOOL CHANGER  
and Spindle (20 tools)



Stone Thickness  
Measuring System



2nd Head of Copy on  
single Z axis



Milling tools



Complete Hot  
Galvanised Coating



# TECHNICAL SPECIFICATIONS

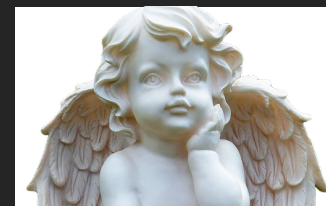
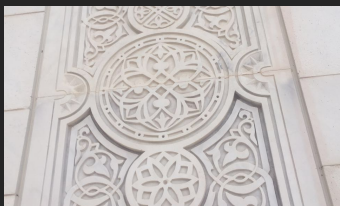
\*  *Lathe (option)*

## Storma Engraver R3-2212

## Storma Technic R5-3020

Max. number of interpolated axes	3+1*	5+1*
Cut Head movement (X), mm	2200 - 8000	2200 - 8000
Bridge Cross Travel (Y), mm	1200 - 4000	1200 - 4000
Vertical Travel (Z), mm	300 - 500	300 - 500
Head rotation (C axis)	—	0-360°
Head tilting (A axis)	—	0-90°
Travel Speed (X,Y), m/min	0-30	0-30
Spindle power, kW	5,5 (opt. up to 11 kW)	5,5 (opt. up to 11 kW)
Spindle speed, rpm	12000-24000	12000-24000
Operating Voltage, V	380 / 50	380 / 50
Machine Dimensions (LxWxH), mm	3850 × 1900 × 2400	4750 × 2750 × 2750
Machine weight. kg	4 000	5 600

# PROCESSING GALLERY



BRIDGE SAWS

5-AXIS CNC MACHINING CENTERS



Expert



Professional



Versatile



Performance



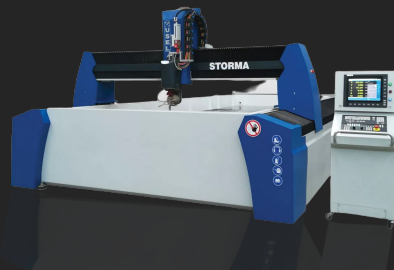
Sculptor

WATERJET CUTTING MACHINES

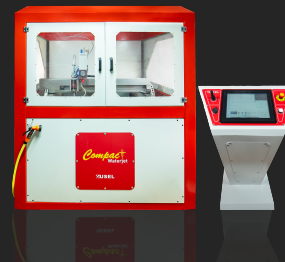
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Precise



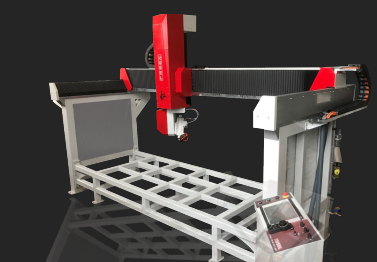
Creator



Compact



Engraver



Technic

## 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



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