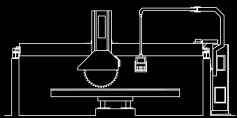


**GMM**  
STONE MACHINERY

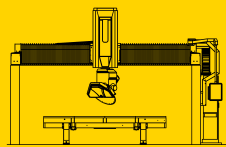
POWER & CONTROL

# EXTRA 480 CNC

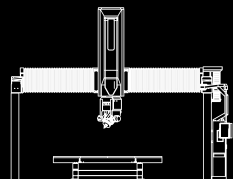
MONOBLOCK CNC 5-AXIS SAWING MACHINE / FRESA A PONTE MONOBLOCCO CNC 5 ASSI



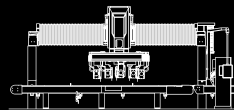
BRIDGE SAWING MACHINES  
SEGATRICI A PONTE



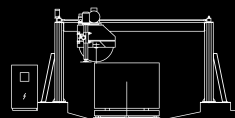
5-AXIS SAWING MACHINES  
FRESE 5 ASSI



5-AXIS SHAPING MACHINES  
SAGOMATRICI 5 ASSI



CUTTING CENTER MACHINES  
CENTRI DI TAGLIO



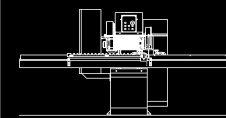
BLOCK CUTTER  
TAGLIABLOCCHI



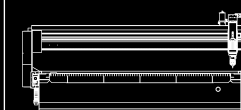
EDGE POLISHER / LUCIDACOSTE



CALIBRATING AND POLISHING MACHINES  
CALIBRATRICH-LUCIDATRICI



LINEE AND  
COMPLEMENTARY MACHINERY  
LINEE E MACCHINARI  
COMPLEMENTARI



WATER JET



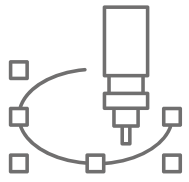
POWER & CONTROL



EXPERIENCE & QUALITY



TECHNOLOGY & INNOVATION



**CNC**  
TECHNOLOGY





TECHNOLOGY & INNOVATION



EXPERIENCE & QUALITY



POWER & CONTROL

Extra 480 CNC

 **EXTRA 480**

Monoblock CNC 5-axis sawing machine

The machine combines extreme ease to use of concept and intuitive programming. Extra 480 offers cad cuts, contouring, profiles and shapes, drilling, coring, bas-reliefs and lettering, offline programming.

- 370° rotating head, 90° tilting head.
- Hydraulic tilting table driven by hydraulic cylinder with dedicated hydraulic power unit, structure in hot-dip galvanized steel with PVC cover.
- Blade up to 625 mm (25 inches) diameter driven by inverter
- Vertical stroke (Z axis) of 480 mm (16 inch).
- The main structures of the machine are in hot galvanized steel.
- Automatic lubrication.
- Sliding Safety barriers with polycarbonate panels with high visibility.
- High speed, maximum precision thanks to brushless motors with absolute encoders, recirculating ball guides, helical rack and pinion (on request) and precision gearboxes, interpolation of the axes with CNC.
- 6000 rpm electrospindle on request with shaft drilled for water passage.
- Vacuum system with 3 sections.
- Four position magnetic tool changer for auto changing core bits and router tools.
- Side Aggregate Spindle. 4 kw
- New Ergonomic Panel 21" multitouch LED colour display with integrated machine controls, programming and control unit, USB port, LAN connection and remote service system

 **EXTRA 480**

Fresa a ponte monoblocco CNC 5 assi

La macchina unisce l'estrema facilità di utilizzo e una programmazione semplice ed intuitiva sia delle lavorazioni base che di quelle più avanzate, quali programmazione parametrica, tagli da cad, contornatura, profili e sagome, forature, carotature, bassorilievi, scritte ecc.

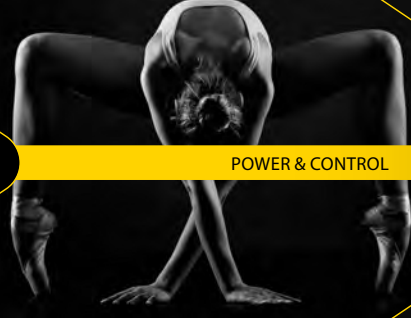
- Testa orientabile di 370°, testa inclinabile di 90°.
- Banco ribaltabile idraulico azionato da centralina dedicata, struttura in acciaio zincato a caldo con copertura in PVC.
- Disco fino a 625 mm di diametro azionato da inverter
- Corsa verticale (asse Z) da 480 mm.
- Tutte le strutture principali della macchina sono in acciaio zincato a caldo.
- Lubrificazione automatica.
- Barriere di sicurezza scorrevole con pannelli trasparenti in polycarbonato.
- Elevate velocità, massima precisione grazie ai motori brushless con encoder assoluti, guide a ricircolo di sfere, pignoni e cremagliere, riduttori di precisione, interpolazione degli assi con CNC.
- Elettromandrino da 4.500 rpm (6.000 rpm a richiesta con albero forato per passaggio acqua).
- Ventosa spostamento pezzi a tre posizioni a richiesta.
- Cambio magnetico a quattro posizioni per foratura e fresatura in automatico a richiesta.
- Mandrino Laterale 4 KW.
- Nuovo pannello di controllo ergonomico con schermo LED 21" multitouch, programmazione e controllo di tutte le operazioni possibili, porta USB, connessione LAN e sistema di teleassistenza remota

 **EXTRA 480**

Sierra de puente monoblocco CNC de 5 ejes

La máquina combina una extrema facilidad de uso y una programación simple e intuitiva de procesos tanto básicos como más avanzados, como programación paramétrica, cortes CAD, contorneado, perfiles y formas, perforaciones, extracción de testigos, bajorrelieves, escritura, etc.

- Cabezal giratorio a 370°, cabezal inclinable hasta 90°.
- Banco hidráulico inclinable accionado por unidad hidráulica, estructura de acero galvanizado en caliente con cubierta de PVC.
- Disco de hasta 625 mm de diámetro operado por inverter
- Carrera vertical (eje Z) de 480 mm.
- Todas las estructuras principales de la máquina son de acero galvanizado en caliente.
- Lubricación automática.
- Barreras de seguridad corredizas con paneles de polycarbonato transparente.
- Velocidad elevada, máxima precisión gracias a motores brushless con encoders absolutos, guías a recirculación de esferas, piñones y cremalleras, reductores de precisión, interpolación de ejes con CNC.
- Electromandrill de 4.500 rpm (6.000 rpm bajo pedido con eje perforado para paso de agua).
- Ventosa para desplazamiento de piezas a tres posiciones bajo pedido.
- Cambio magnético de cuatro posiciones para perforación y fresado en automático bajo pedido.
- Mandril lateral de 4 KW.
- Nuevo panel de control ergonómico con pantalla LED multitáctil de 21", programación y control de todas las operaciones posibles, puerto USB, conexión LAN y sistema de asistencia remota



## TECHNICAL DATA / DATI TECNICI

MAXIMUM STANDARD BLADE Ø / BLADE HOLE Ø DIAMETRO MASSIMO DISCO STANDARD / DIAMETRO FORO	625/60 mm	STANDARD INSTALLATION DIMENSIONS (WIDTH X DEPTH X HEIGHT) MISURE DI INGOMBRO DELL'INSTALLAZIONE STANDARD (LARGH. X PROF. X ALT.)	5720x4360 x3530 h mm
MAXIMUM LONGITUDINAL BLADE STROKE (X AXIS) / MAXIMUM BRIDGE TRANSLATION (Y AXIS) CORSA MASSIMA LONGITUDINALE DISCO (ASSE X) / TRASLAZIONE MASSIMA PONTE (ASSE Y)	3700/2820 mm	STANDARD VOLTAGE/ FREQUENCY TENSIONE / FREQUENZA DI SERIE	400/50~3 V/Hz
MAXIMUM VERTICAL TRAVEL OF THE BLADE (Z AXIS) CORSA MASSIMA VERTICALE DISCO (ASSE Z)	480 mm	MINIMUM AIR PRESSURE PRESSIONE MINIMA ARIA	6 bar
BLADE LOCKING FLANGE DIAMETER / MAXIMUM CUTTING DEPTH DIAMETRO FLANGE DISCO / PROFONDITÀ DI TAGLIO MASSIMA	213/205mm	SIDE AGGREGATE SPINDLE MANDRINO LATERALE	4 kW
MAXIMUM BLADE ORIENTATION ANGLE (W AXIS) ANGOLO MASSIMO DI ORIENTAMENTO DEL DISCO (ASSE W)	0÷370°	MAXIMUM TABLE CAPACITY PORTATA MASSIMA TAVOLA	3000 kg
DIMENSION OF TILTING TABLE (0 ÷ 85°) DIMENSIONE DELLA TAVOLA RIBALTABILE DA 0 A 85°	2400x3800mm		
MAX TILTING CAPACITY PORTATA DI RIBALTAMENTO	1650 kg		
BLADE MOTOR POTENZA MOTORE DISCO A 4 POLI 1450 RPM 50 HZ	13(56) kW		
VARIABLE BLADE SPEED VELOCITÀ DI ROTAZIONE DISCO REGOLABILE	800÷6000 rpm		
VARIABLE SLEDGE CUTTING SPEED (X AXIS) AND BRIDGE TRANSLATION SPEED (Y AXIS) VELOCITÀ MASSIMA ASSE X E ASSE Y	35 m/min		
MAXIMUM SPEED Z AXIS VELOCITÀ MASSIMA ASSE Z	7,5 m/min		
COOLING WATER CONSUMPTION AT 3 BAR PORTATA ACQUA DI REFRIGERAZIONE A 3 BAR	40 l/min		
AIR CONSUMPTION AT 6 BAR (* WITH SUCTION SYSTEM) CONSUMO ARIA A 6 BAR (* CON SISTEMA A VENTOSE)	55(*355) l/min		
TOTAL MACHINE MASS MASSA COMPLESSIVA DELLA MACCHINA	5400 kg		
VOLUME WHEN PACKAGED OF THE MACHINE IN STANDARD VERSION VOLUME DI IMBALLO DELLA MACCHINA IN VERSIONE STANDARD	20'0.T. container		

TECHNOLOGY & INNOVATION

EXPERIENCE & QUALITY

POWER & CONTROL

Extra 480 CNC



Programming and control unit  
21" multitouch LED colour display  
USB port, LAN connection,  
remote service system

Unità di programmazione e controllo  
Display a LED 21" multitouch  
Porta USB, connessione LAN  
e sistema di teleassistenza remota



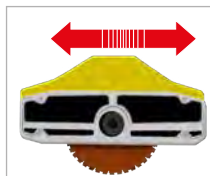
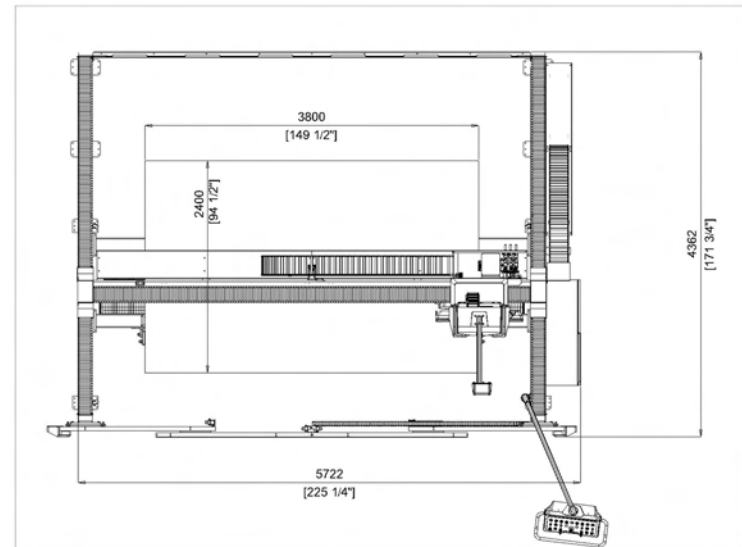
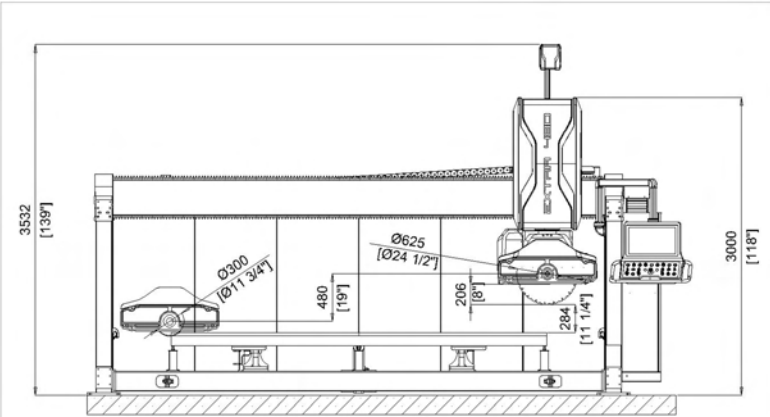
TOUCHSCREEN  
ADVANCED  
GRAPHIC DISPLAY



CAD  
CAM



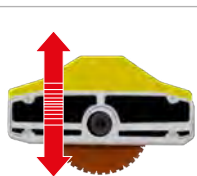
GMM  
TELESERVICE



X axis 3700 mm



Y axis 2820 mm



Z axis 480 mm



R axis 0°+90°



W axis 0°+370°



## OPTIONAL ON REQUEST / OPZIONALI A RICHIESTA

COD. A1259  
VACUUM BLADE GUARD WITH COOLING TOOL  
NOZZELS  
UGELLI DI RAFFREDDAMENTO UTENSILE FRESA



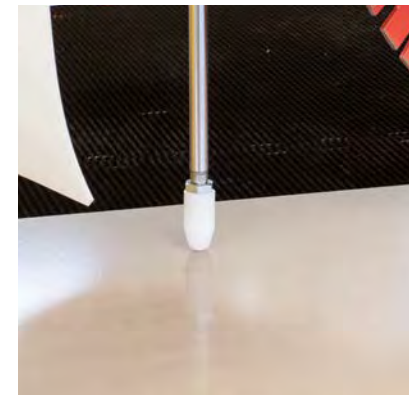
COD. A1718  
FOUR POSITION MAGNETIC TOOL CHANGER FOR AUTO CHANGING CORE BITS AND ROUTER TOOLS  
CAMBIO MAGNETICO A QUATTRO POSIZIONI PER FORATURA E FRESATURA IN AUTOMATICO



COD. A5501  
TOOL DIAMETER CONTROL  
LETTORE DIAMETRO UTENSILE



COD. A5504  
SLAB THICKNESS READER  
LETTORE SPESSORE LASTRA



NEW OPERATING PANEL SYSTEM  
NUOVO PANNELLO OPERATIVO



Vacuum system with 3 sections, disc casing of  $\varnothing 625$  mm instead of the standard one and related software. The vacuum head blade cover is made with a special alloy of cast aluminum, corrosion resistant, reinforced and ribbed.

*Ventose: impianto a tre zone compreso relativo software di gestione e carter disco  $\varnothing 625$  mm, in sostituzione dello standard, realizzato in lega speciale di alluminio pressofuso, resistente alla corrosione, rinforzato e nervato.*



TECHNOLOGY & INNOVATION



EXPERIENCE & QUALITY



POWER & CONTROL



Extra 480 CNC

Hydraulic tilting table  
*Banco ribaltabile idraulico*



COD. A1477  
*Side Aggregate Spindle  
Mandrino Laterale*



## STANDARD MACHINE PROGRAM / PROGRAMMA MACCHINA BASE

Single cut, multiple cuts, inclined or mitre cuts.  
*Taglio singolo, tagli multipli, tagli inclinati e obliqui.*



Circumferences, archs.  
*Circonferenze, archi.*





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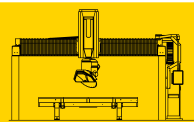
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## Extra 480 CNC



### 5-AXIS SAWING MACHINES / FRESE 5 ASSI

Brio Easy 400 CN2 | Intra 520 CN2 | Intra 520 XL CN2 | Egil 700 CN2

Technical data are not binding and may be changed by GMM without prior notice.  
 I dati tecnici non sono impegnativi e possono essere modificati da GMM senza preavviso.

**IMPORTANT:** machines displayed in the present catalogue are without safety barriers in order to ensure the perfect vision of all the details of the machine. All machines will be delivered and installed with safety barriers as per current legislation. The data in the present catalogue may vary without notice due to continuous update of technology.

**IMPORTANTE:** alcune macchine sono sprovviste di alcune protezioni per meglio evidenziare le caratteristiche del prodotto. Alla consegna e alla installazione, tutte le macchine saranno munite delle protezioni secondo le vigenti norme di legge. I dati del presente depliant non sono impegnativi perché soggetti a possibili variazioni senza preavviso per aggiornamenti e continue evoluzioni tecnologiche.

ISO 9001

BUREAU VERITAS  
 Certification



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 ASSOCIAMACCHINE



ISO 9001:2015 - Certificato N°IT234871