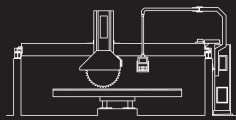


GMM
STONE MACHINERY

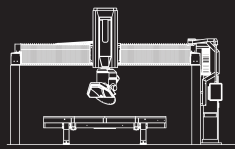
POWER & CONTROL

Litox 1000 CN2

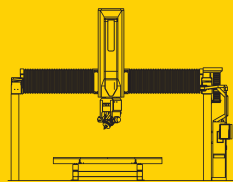
CNC 5-AXIS BRIDGE SHAPING MACHINE / SAGOMATRICE A PONTE CNC 5 ASSI



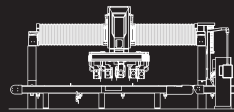
BRIDGE SAWING MACHINES
SEGATRICI A PONTE



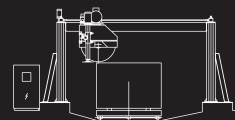
5-AXIS SAWING MACHINES
FRESE 5 ASSI



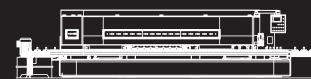
5-AXIS SHAPING MACHINES
SAGOMATRICI 5 ASSI



CUTTING CENTER MACHINES
CENTRI DI TAGLIO



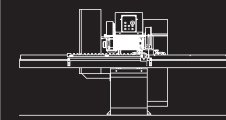
BLOCK CUTTER
TAGLIABLOCCHI



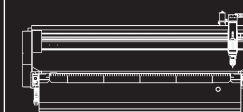
EDGE POLISHER / LUCIDACOSTE



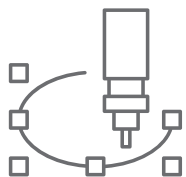
CALIBRATING AND POLISHING MACHINES
CALIBRATRICI-LUCIDATRICI



LINES AND
COMPLEMENTARY MACHINERY
LINEE E MACCHINARI
COMPLEMENTARI



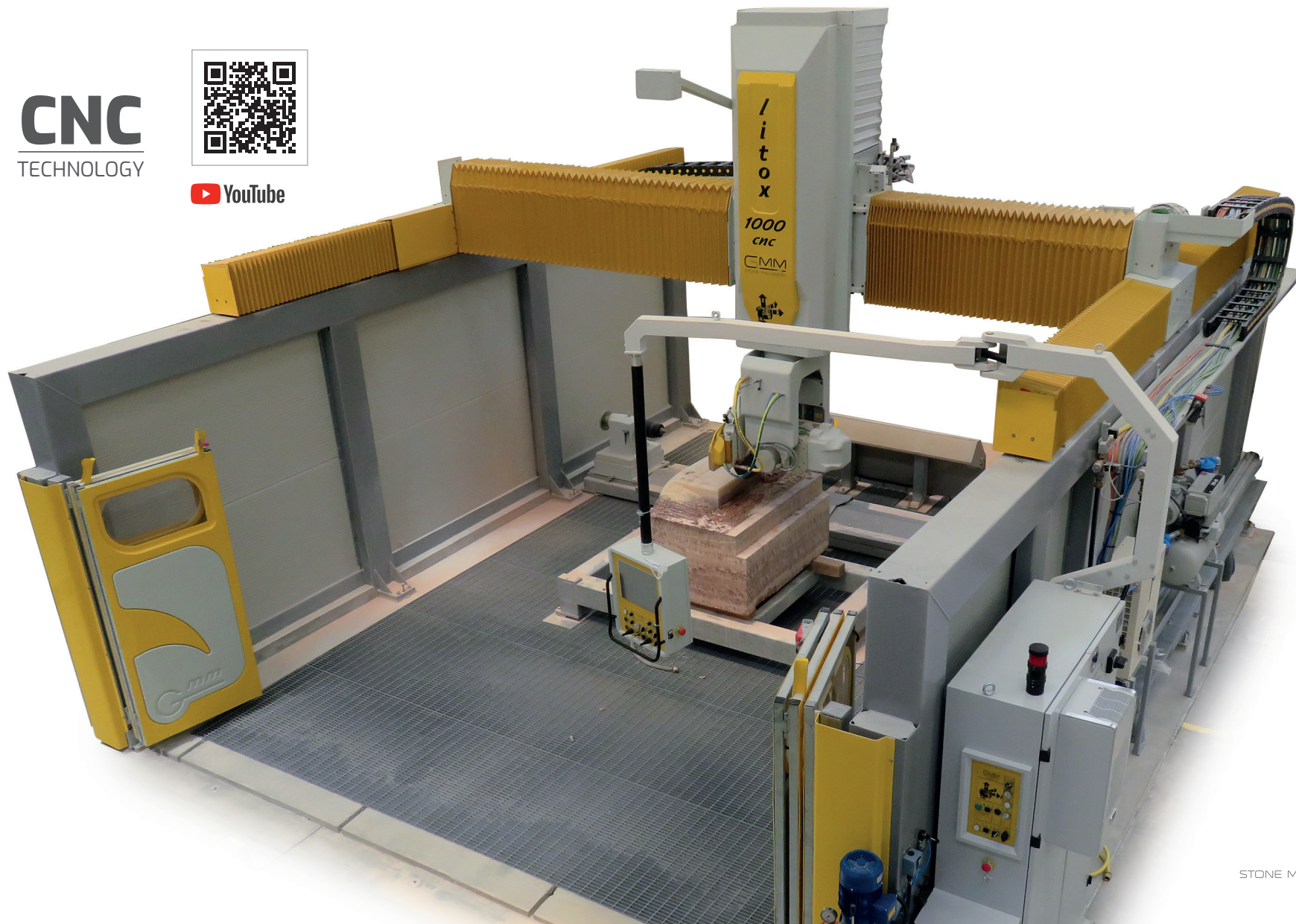
WATER JET



CNC
TECHNOLOGY



 YouTube





CNC 5-axis bridge shaping machine

The Litox blends the ease of use of a traditional manual machine, with the high output operator free sawing cycles. Simple and intuitive programming enables owners and operators to get the most from the machine - featuring parametric drawings, Cuts From CAD, Contouring, Curb programming, Profiling and Shaping, Drilling and lettering, and spiral work pieces, the machine can also be equipped (upon request) with a digital camera to provide a jpeg of the slab on screen, automatic movement/unloading of sawn pieces saving time, man power, and raw material by using integrated Vacuum head, auto tool changing with either ISO40 or simple magnetic connection, overlapping automatic table changing, a rodding device to create grooves in the underside of pieces, and even a lathe (hydraulic driven or CNC).

- Fully interpolated 6 axis movement with rotating head with 370° range, inclination from 0°-90°.
- Hot dipped galvanized non rotating table with variable height saw surface high density plastic or rubber matting (optional) with max blade size of 1100 mm (43.3 in) with inverter drive. Z axis (rise and fall movement) - 1000 mm (39.4 in).
- The principle sections of the machine are made from solid cast iron with auxiliary parts made up of hot dipped galvanized steel structures - supplied with folding door solid panel safety barriers.
- Fast and precise movements due to brushless motors with absolute encoders, recirculating ball bearing movement, precision gearboxes and interpolated axis from the CNC.
- Electro spindle running up to 6000 rpm with centre waterfeed and a 36x2 or 1/2 gas fitting. Or (on request) ISO40/ISO50 cone fitting running at up to 8000 rpm for automatic tool change.
- Suspended pendant with 15" TFT color touchscreen. Machine is equipped with USB/Ethernet port for easy loading of programs. Stainless steel electrical panel.
- Software which controls 6 axis (X-Y-Z-W-R-lathe) and TOOL POINT control.



Sagomatrice a ponte CNC 5 assi

La macchina unisce all'estrema facilità di utilizzo in manuale, una programmazione semplice ed intuitiva sia delle lavorazioni base che di quelle più avanzate, programmazione parametrica, tagli da cad, contornatura, profili e sagome, cordoli, forature, carotature, bassorilievi, scritte, torciglioni, ecc e può essere integrata con varie funzionalità tra cui la fotografia lastra con camera digitale, lo spostamento pezzi con ventosa, lo scarico pezzi con ventosa, il cambio utensile automatico con cono ISO o magnetico, il rodding e lo scambiatore di tavole e il tornio.

- Testa orientabile di 370°, testa inclinabile di 90°.
- Banco fisso a più livelli in acciaio zincato a caldo con copertura in PVC.
- Disco fino a 1100 mm di diametro azionato da inverter.
- Corsa verticale (asse Z) 1000 mm.
- Tutte le strutture principali della macchina sono in fusione di ghisa.
- Barriera di sicurezza a pannelli in termoformato.
- Elevate velocità, massima precisione grazie ai motori brushless con resolver encoder assoluti, guide a ricircolo di sfere, riduttori di precisione, interpolazione degli assi con CNC.
- Elettromandrino fino a 6.000 rpm con albero forato per passaggio acqua e attacco frese da 36x2 - 1/2" gas o cono ISO 40/50 8.000 rpm con cambio utensile automatico.



Sierra molduradora automática a puente CNC

Litox une a la extrema facilidad de utilizo en manual, una programación simple e intuitiva sea en los trabajos básicos que en los más avanzados, programaciones paramétricas, cortes de cad, contorneado, perfiles y formas, perforación, bajo relieve, escritura etc. y puede ser integrada con diferentes funciones entre las cuales, fotografías de la lamina con cámara digital, movimentación de las piezas con ventosa, descarga de piezas con ventosa, cambio de utensilio automático cono ISO o magnético, el rodding, el intercambiador de mesas y el torno.

- Cabezal orientable de 370° e inclinable de 90°.
- Mesa fija multiniveles en acero galvanizado en caliente con cobertura.
- Disco hasta 1100 mm. de diámetro accionado por inverter.
- Carrera vertical (eje Z) de 1000 mm.
- Todas las estructuras principales de la maquina son en hierro fundido.
- Barreras de seguridad a libro.
- Elevada velocidad, máxima precisión gracias a los motores brushless con encoder absolutos, guías a recirculo de esferas, reductores de precisión, interpolación de los ejes con CNC.
- Electro mandril de 6.000 rpm con flecha perforada para el paso de agua y anclaje de la herramienta con rosca de 36x2 - 1/2 gas o con cono ISO 40 a 8.000 rpm para el cambio de utensilio automático.
- Consola pensil con video 15" TFT a colores touchscreen con puerto USB y cuadro eléctrico en acero inoxidable.

TECHNICAL DATA / DATI TECNICI

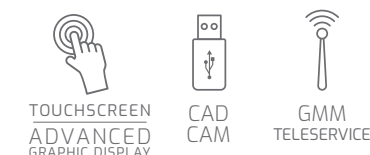
CUTTING STROKE OF THE BLADE (X AXIS) CORSA MASSIMA ORIZZONTALE DISCO (ASSE X)	3800 mm
MAXIMUM BRIDGE TRASLATION (Y AXIS) TRASLAZIONE MASSIMA DEL PONTE (ASSE Y)	2750-4320-5230 mm
MAXIMUM VERTICAL TRAVEL OF THE BLADE (Z AXIS) CORSA MASSIMA VERTICALE DISCO (ASSE Z)	1000 mm
MAX ANGLE OF TILT HEAD (R AXIS) ANGOLO MASSIMO DI INCLINAZIONE DISCO (ASSE R)	0°÷90°
MAXIMUM BLADE ROTATION (W AXIS) ANGOLO MASSIMO DI ORIENTAMENTO DISCO (ASSE W)	0°÷370°
MAXIMUM VERTICAL BLADE DIAMETER DIAMETRO MASSIMO DISCO VERTICALE	925-1300* mm
BLADE HOLE DIAMETER DIAMETRO FORO	60 mm
BLADE LOCKING FLANGE DIAMETER DIAMETRO FLANGE DISCO	250 mm
MAXIMUM CUTTING DEPTH PROFONDITÀ DI TAGLIO MASSIMA	335-520* mm
TABLE DIMENSION DIMENSIONE DELLA TAVOLA	2000 x 3500 mm
POWER OF THE BLADE MOTOR POTENZA MOTORE DEL DISCO	32 (5 6) kW
SPINDLE SPEED OF ROTATION VELOCITÀ DI ROTAZIONE DEL MANDRINO	500÷6000 rpm
SLIDE CUT SPEED (X AXIS) VELOCITÀ DI TAGLIO DELLA SLITTA (ASSE X)	0÷35 m/min
BRIDGE TRANSLATION SPEED (Y AXIS) VELOCITÀ TRASLAZIONE DEL PONTE (ASSE Y)	0÷35 m/min
VERTICAL MOVEMENT SPEED (Z AXIS) VELOCITÀ MOVIMENTO VERTICALE DISCO (ASSE Z)	0÷7,5 m/min
TIME TO ROTATE HEAD 90° (W AXIS) TEMPO PER RUOTARE IL DISCO DI 90° (ASSE W)	1,5 sec
WATER CONSUMPTION AT 3 BAR PORTATA ACQUA DI REFRIGERAZIONE A 3 BAR	50 l/min
AIR CONSUMPTION AT 6 BAR CONSUMO ARIA A 6 BAR	55-80 l/min
TOTAL MACHINE MASS MASSA COMPLESSIVA	7500 kg
MACHINE PACKING DIMENSIONS VOLUME IMBALLO MACCHINA IN VERSIONE STANDARD	40' O.T. container

*OPTIONAL



Programming and control unit
15" touchscreen colour display with LAN connection and USB port.

Unità di programmazione e controllo
Display TFT a colori da 15" touchscreen con connessione LAN e porta USB.



TECHNOLOGY & INNOVATION

EXPERIENCE & QUALITY

POWER & CONTROL

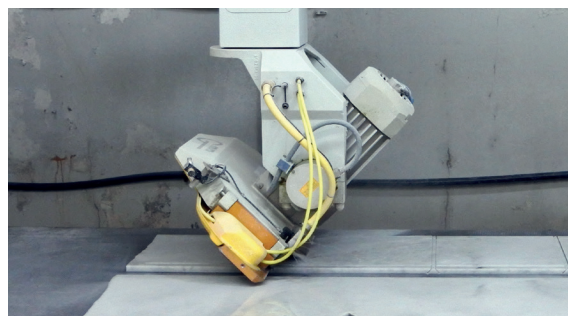
Litox 1000 CN2

STANDARD MACHINE PROGRAM / PROGRAMMA MACCHINA BASE

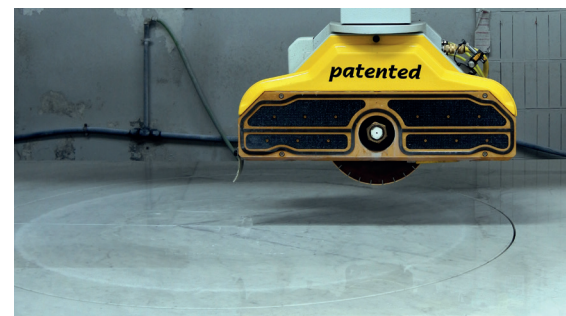
COD. MF 400



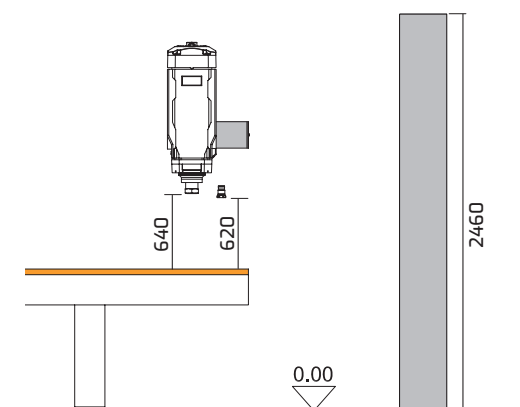
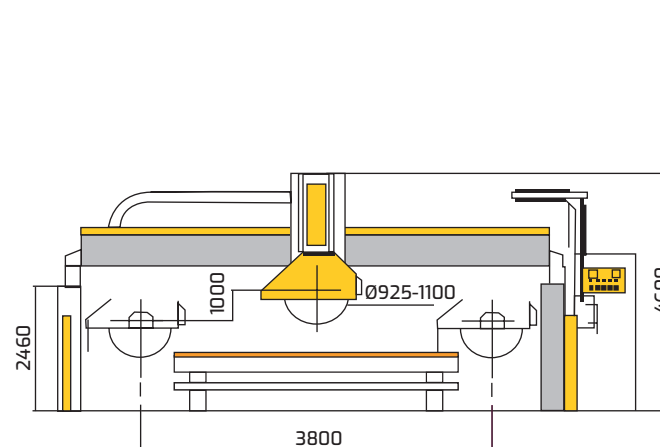
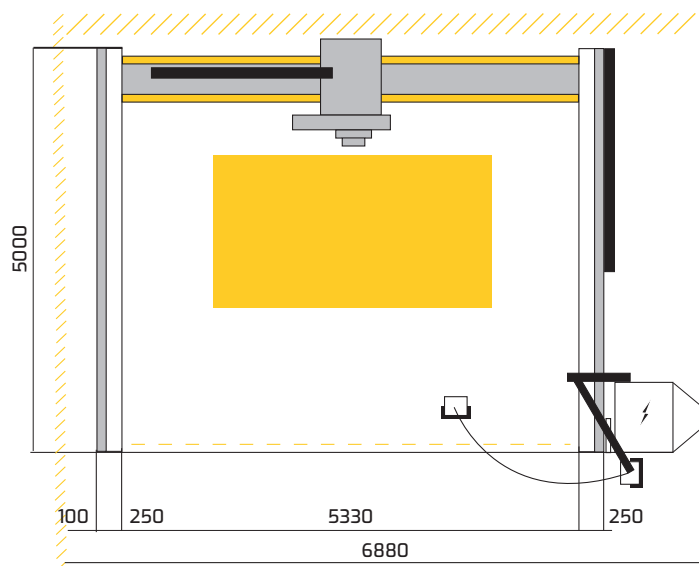
Single cut, multiple cuts, inclined or mitre cuts.
Taglio singolo, tagli multipli, tagli inclinati e obliqui.



Orthogonal cuts and polygons.
Tagli ortogonali e poligoni.



Circumferences, archs.
Circonferenze, archi.

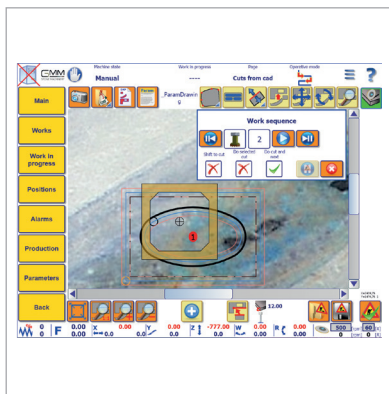


OPTIONAL ON REQUEST / OPZIONALI A RICHIESTA

COD. A6446
CUTS FROM CAD
TAGLI DA CAD



COD. A6447
CONTOURING 2D
CONTORNATURA 2D



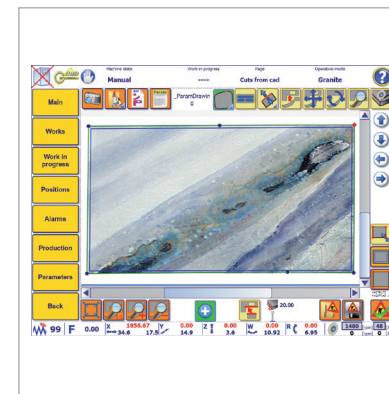
COD. A5501
TOOL DIAMETER CONTROL
LETTORE DIAMETRO UTENSILE



COD. A5504
SLAB THICKNESS READER
LETTORE SPESSORE LASTRA



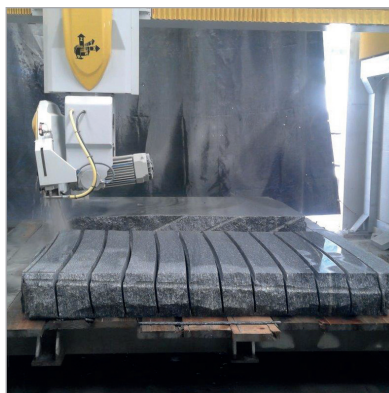
COD. A5453
CAMERA ON BOARD
TELECAMERA



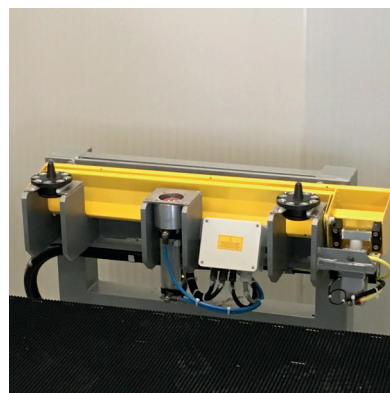
COD. A6423
OPTICAL TEMPLATE COPIER
RILEVATORE OTTICO DI DIME



COD. A6412
VARIABLE CUTS
TAGLI VARIABILI



COD. A1712
MAGNETIC TOOL CHANGER
CAMBIO UTENSILE MAGNETICO



COD. A1715
12-POSITION AUTOMATIC TOOL CHANGER
CAMBIO UTENSILE AUTOMATICO A 12 POSIZ.



COD. A1731
AUTOMATIC DISC CHANGER
CAMBIO AUTOMATICO DISCO



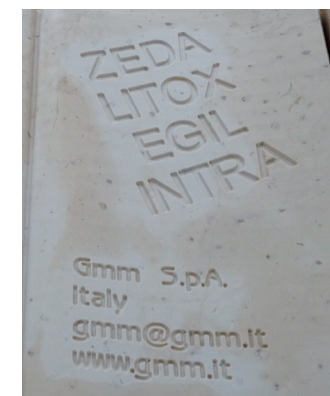
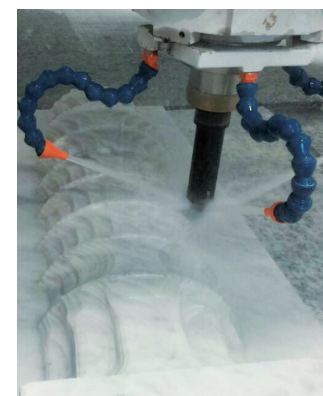
TECHNOLOGY & INNOVATION

EXPERIENCE & QUALITY

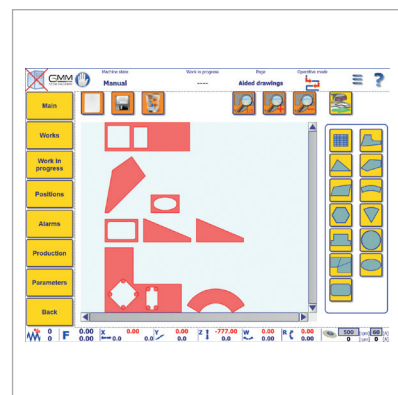
POWER & CONTROL

Litox 1000 CN2

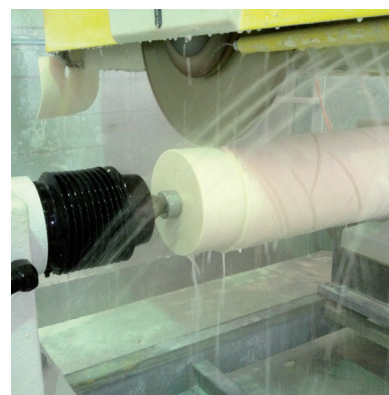
COD. A6443 - A6444
WORKS WITH CAD/CAM
LAVORAZIONI CAD/CAM



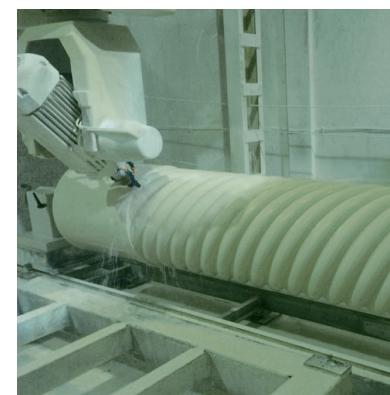
COD. A6450
PARAMETRIC PROGRAM
FIGURE PARAMETRICHE



COD. A7218
STANDARD LATHE
TORNIO STANDARD



COD. A7255
Ø 700 mm
BRUSHLESS LATHE
TORNIO BRUSHLESS

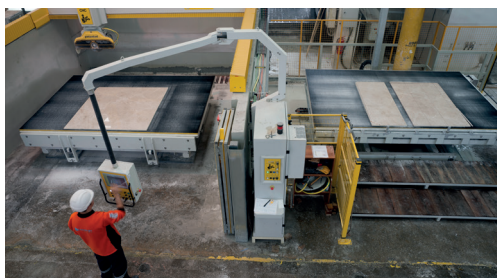


COD. A7256
Ø 1300 mm

COD. A6468
NESTING



COD. A2805 (patent pending)
Rapid load/unload system
Scambiatore di pianali



Rapid load/unload system for slab using moving table tops.

Scambiatore di pianali portastre (4) (Patent Pending). Sistema rapido di carica/scarico sopratavole portastre.

COD. A9998
Belt feed cutting line
Linea di taglio con nastro



Cutting centre where the stone is transported into the cutting area, and after cutting cycle completes, out of the cutting area by a large dimension heavy duty belt instead of having a standard cutting table.

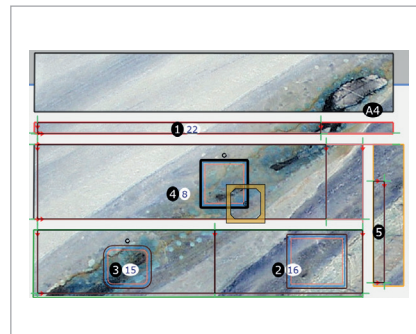
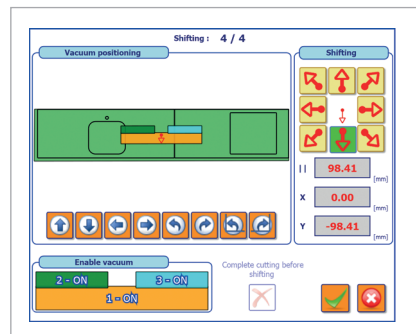
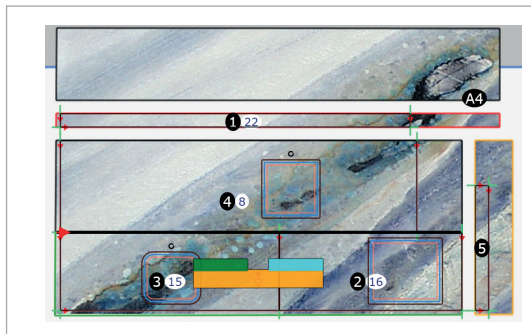
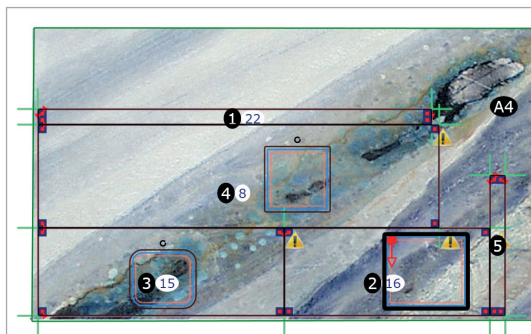
Centro di taglio con nastro trasportatore in sostituzione del banco standard.

Vacuum system Ventose

COD. 2646
Ø 625 mm

COD. 2643
Ø 725 mm

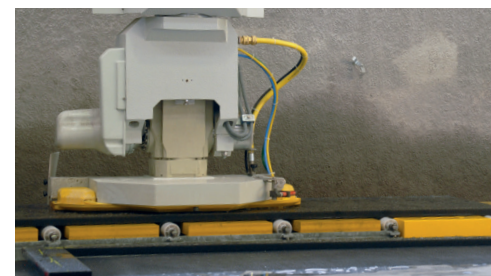
COD. 2657
Ø 825 mm



Vacuum system with 3 sections, disc casing of Ø 625-725-825 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 Ø 625-725-825 mm, in sostituzione dello standard, realizzato in lega speciale di alluminio pressofuso, resistente alla corrosione, rinforzato e nervato.

COD. A1701 Rodding unit *Unità operatrice rodding*



Rodding unit - used to create grooves in the rear side of the work piece (to be used, for example for re enforcing weaker materials) using Ø 250 mm blade mounted on a 9,5 kW (12.75 hp) S6 motor.

Unità operatrice 'rodding' per eseguire la scanalatura di alloggiamento dei rinforzi metallici nella parte inferiore della lastra - Ø disco 250 mm - motore 9,5 kW S6.

Litox 1000 CN2 04.2019

GMM
STONE MACHINERY



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www.gmmchina.cn

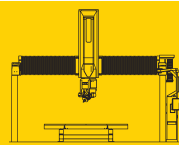
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Litox 1000 CN2



5-AXIS SHAPING MACHINES / SAGOMATRICI 5 ASSI
Zeda 1300 CN2 | Zeda 1600 CN2 | Zeda 2000 CN2

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I dati tecnici non sono impegnativi e possono essere modificati da GMM senza preavviso.

ISO 9001
BUREAU VERITAS
Certification



Member of:
CONFINDUSTRIA MARMOMACCHINE
ASSOCIAZIONE MARMOMACCHINE



ISO 9001:2015 - Certificato N° IT234871

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.