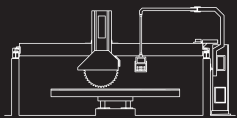


GMM
STONE MACHINERY

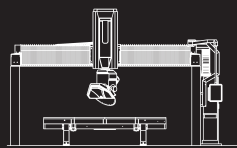
TECHNOLOGY & INNOVATION

Intec613-G2®

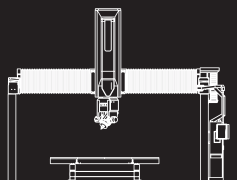
HIGH-PRESSURE WATERJET SYSTEM / SISTEMA A GETTO D'ACQUA AD ALTA PRESSIONE



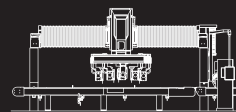
BRIDGE SAWING MACHINES
SEGATRICI A PONTE



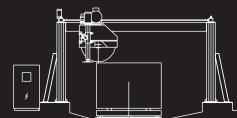
5-AXIS SAWING MACHINES
FRESE 5 ASSI



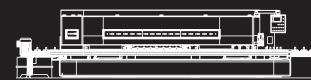
5-AXIS SHAPING MACHINES
SAGOMATRICI 5 ASSI



CUTTING CENTER MACHINES
CENTRI DI TAGLIO



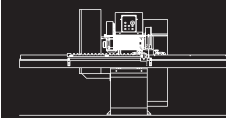
BLOCK CUTTER
TAGLIABLOCCHI



EDGE POLISHER / LUCIDACOSTE



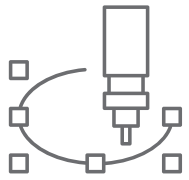
CALIBRATING AND POLISHING MACHINES
CALIBRATRICI-LUCIDATRICI



LINE ACCESSORIES
COMPLEMENTI DI LINEA



WATER JET



CNC
TECHNOLOGY





High-pressure waterjet system

The Intec-G2® can cut almost any material to 4" thick at maximum cutting speed with minimum capital outlay. These machines last longer and require less maintenance, while delivering an easy to use, fast and accurate system at a very competitive price. This series of machines is particularly well-suited for stone industry.

- Softec™ Waterjet Cutting Software has been developed by TECHNI Waterjet™ with two very clear goals in mind:
 1. To cut parts at minimum cost with the greatest accuracy.
 2. To have a simple and intuitive interface with the operator.

The result is a comprehensive "All In One" Windows based software, that is specifically designed for Waterjet Cutting, which maximizes productivity and anyone with PC experience can learn to use quickly and easily.

At the "Heart" of Softec™ is Tru-Cut Technology™, a highly sophisticated algorithms database that determines the optimum cutting speeds and machine ramping characteristics. Once you select the material to be cut, its thickness and surface edge finish required, the computer will take care of the rest, ensuring the minimum cutting time for any given part.

Programming edges for mitring within seconds. All with one software!

- Softec Nest utilizes advance nesting algorithms which have been developed by one of the world's largest and most awarded CAD and nesting software developers – Geometric Global.

Benefits Include:

Improves profitability by minimising rapid feed times.
Increasing both nesting speed and material yield.



Sistema a getto d'acqua ad alta pressione

Intec-G2® è in grado di tagliare quasi ogni tipo di materiale sino a 100 mm di spessore alla sua massima velocità di taglio, con la minor spesa possibile.

Le macchine della serie Intec G2 durano più a lungo e richiedono meno manutenzione grazie a un sistema facile da utilizzare, rapido e preciso. Questa gamma di macchine è particolarmente indicata per l'industria della pietra.

- Softec™, il software per il taglio a getto d'acqua, è stato sviluppato da TECHNI Waterjet™ con due obiettivi ben precisi:
 1. Riduzione dei costi di lavorazione garantendo la massima precisione.
 2. Avere un'interfaccia operatore semplice e intuitiva.

Il risultato è un software "All In One", in ambiente Windows, progettato appositamente per il Taglio a getto d'acqua in grado di aumentare la produttività e facile da usare.

"Cuore" del Softec™ è Tru-Cut Technology™, un database di algoritmi altamente sofisticato che determina le velocità di taglio ottimali e garantendo la realizzazione di spigoli perfetti sia verticali che inclinati. Dopo aver selezionato la tipologia del materiale da tagliare, lo spessore e la rugosità richiesta, il sistema elaborerà pressione, avanzamento, compensazione dell'inclinazione di Taglio per soddisfare le richieste dell'utente.

Riduce i tempi di lavoro, i costi di taglio, migliora la produttività, limita gli scarti e ottimizza i sistemi di gestione. Tutto attraverso il software!

- Softec Nest utilizza avanzati algoritmi di nesting elaborati da uno dei maggiori e più accreditati sviluppatori mondiali, la Geometric Global.

I vantaggi includono:

Migliore redditività, minimizzando i trasferimenti in sorvolo tra i tagli.

Aumentata velocità di nesting e migliore sfruttamento del materiale.



Sistema de chorro de agua a alta presión

Intec-G2® es capaz de cortar casi cualquier tipo de material de hasta 100 mm de espesor en su máxima velocidad de corte, con el menor gasto.

Las máquinas de la serie Intec-G2® duran más y requieren mínimo mantenimiento gracias a un sistema rápido, preciso y fácil de usar. Esta gama de máquinas está particularmente indicada para la industria de la piedra.

- Softec™, el software de corte por chorro de agua, ha sido desarrollado por TECHNI Waterjet, con dos objetivos precisos:
 1. Reducción del coste de procesamiento que garantiza la máxima precisión.
 2. Tener una interfaz de operador simple e intuitiva.

El resultado es un software "todo en uno", en el entorno de Windows, diseñado específicamente para el corte por chorro de agua capaz de aumentar la productividad y fácil de usar.

"Heart" de Softec™ es Tru-Cut Technology™, una base de datos de algoritmos altamente sofisticados que determina las velocidades de corte óptimo y asegurando la creación de bordes perfectos, tanto vertical como inclinado. Después de seleccionar el tipo de material a cortar, el espesor y la rugosidad requerida, el sistema procesará presión, progreso, compensación e inclinación para cumplir con los requisitos del usuario.

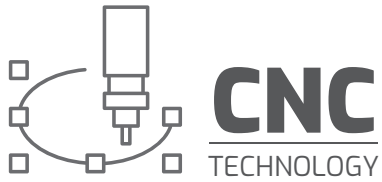
Reduciendo el tiempo de trabajo, los costes y mejorando la productividad. Limita el desperdicio y optimiza los sistemas de gestión. Todo el software!

- Softec Nest utiliza algoritmos de anidación avanzados procesados por uno de los desarrolladores más grandes y acreditados del mundo, el Geometric Global.

Los beneficios incluyen:

Mejora de la rentabilidad, minimizando la transferencia de sobrevuelo entre cortes.

Aumento de la velocidad y mejor anidación.



TECHNICAL DATA / DATI TECNICI

MODULE MODULO	i613-G2
MACHINE SIZE (L x W x H) Does not include pumps or control cabinet <i>DIMENSIONI MACCHINA (LUNG x LARG x H) Pompe o quadro comandi esclusi</i>	5200 x 2700 x 2300 mm 205" x 106" x 91"
MACHINE WEIGHT <i>PESO MACCHINA</i>	3300 kg - 7275 lb
MACHINE WEIGHT (with water) <i>PESO MACCHINA (con acqua)</i>	7800 kg - 17200 lb
CUTTING TABLE DIMENSION <i>DIMENSIONI TAVOLA DI TAGLIO</i>	2020 x 4000 mm 79,5" x 157,5"
CUTTING AREA (without PAC 5 axis) <i>AREA DI TAGLIO (senza PAC 5 assi)</i>	1850 x 4000 mm 72,8" x 157,5"
BEVEL CUTTING AREA (with PAC 5 axis) <i>AREA DI TAGLIO INCLINATO (con PAC 5 assi)</i>	1700 x 3900 mm 67" x 153,5"
ACCURACY OF MOTION <i>PRECISIONE DI MOVIMENTO</i>	0,15 mm/m
REPEATABILITY OF MOTION <i>RIPETIBILITÀ DI POSIZIONAMENTO</i>	± 0,05 mm
MAX. AIR SPEED <i>VELOCITÀ MAX MOVIMENTO RAPIDI</i>	17,5 m/min - 700 in/min
MAX. CUTTING SPEED <i>VELOCITÀ MASSIMA DI TAGLIO</i>	17,5 m/min - 700 in/min
MAX. MATERIAL THICKNESS <i>SPESSORE MASSIMO LAVORABILE</i> (with PAC60 cutting head option fitted) <i>(con testa PAC60)</i>	100 mm - 4" (100 mm - 4")

IMPORTANT NOTICE: Due to a constant endeavour to improve the machine, the specifications may change without prior notice. All the above accuracy tolerances are correct at the calibration temperature of 20° ± 1° C.

IMPORTANTE: i dati della presente tabella non sono impegnativi perchè soggetti a possibili variazioni senza preavviso per aggiornamenti e continue evoluzioni tecnologiche. Le tolleranze indicate sono corrette a una temperatura di calibrazione di 20° ± 1° C.

ADVANCED NESTING SOFTWARE

Powered By Geometric

Softec Nest™ utilizes advance nesting algorithms which have been developed by one of the worlds largest and most awarded CAD and nesting software developers - Geometric Global.

BENEFITS

IMPROVES PROFITABILITY BY

- INCREASING MATERIAL YIELD
- MINIMISING RAPID FEED TIMES
- INCREASING NESTING SPEED
- INCREASING REMNANT SIZE

FEATURES

Grid nesting	Mirror objects
Sheet utilization percentage	Infinite step angle control
Multiple remnant options	Cutting sequence generation
Multiple sheets	Preferential hole filling
Collar width control	Corner nesting

ADVANCED NESTING SOFTWARE

Sviluppato da Geometric

Softec Nest utilizza avanzati algoritmi di nesting elaborati da uno dei maggiori e più accreditati sviluppatori mondiali, la Geometric Global.

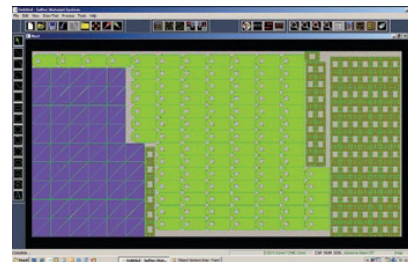
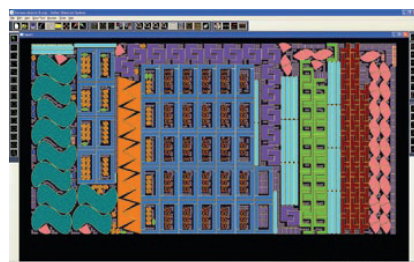
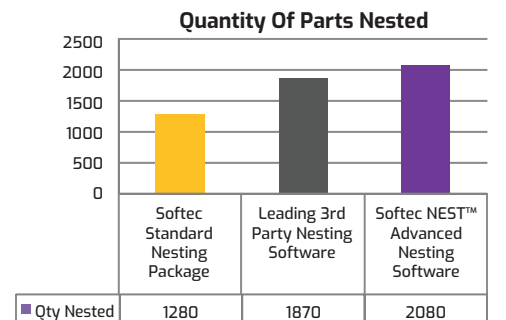
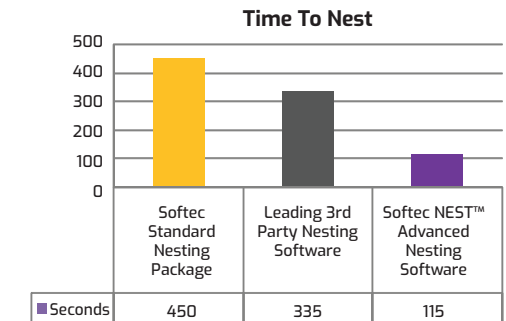
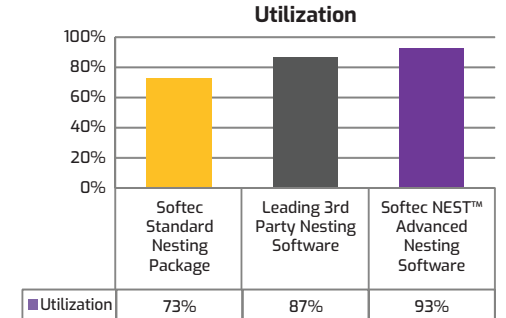
BENEFITS

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FEATURES

Grid nesting	Mirror objects
Sheet utilization percentage	Infinite step angle control
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Multiple sheets	Preferential hole filling
Collar width control	Corner nesting



Advanced nesting sheet used for comparisons
Advanced nesting sheet used for comparisons



POWER & CONTROL



EXPERIENCE & QUALITY



TECHNOLOGY & INNOVATION

TECH-HEAD

Slim line integral cartridge eductor

- 360° abrasive inlet rotation.
- Maximized wear life.
- Greater cutting speed.
- Precision multi-axis cutting.
- Superior edge quality.
- Optimized jet stream alignment.
- dtiCORE™ Diamond inside.

ABRASIVE INLET

- TECH-HEAD is capable of 360° abrasive inlet rotation, and therefore to align with any abrasive tube location. Cutting head replacements have never been easier.
- 30° abrasive inlet angle, designed for efficiency and versatility with multi-axis system such as Techni PAC60™.

INTERNAL GEOMETRY

- Enhanced internal design with wear resistant, carbide insert maximizes particle entrainment into the jet steam.
- Mixing chamber, engineered to accelerate garnet particles to their highest velocity.
- PACT™ (Precision Aligned Cartridge Technology) is a revolutionary technology that ensures true alignment of the jet steam from the integral orifice through the entire cutting head assembly.

SLIM LINE DESIGN

- Sleek, compact external geometry and lightweight design.
- Slim line design and incredibly tight tolerances make TECH-HEAD the best choice for steep angle cutting.

TECH-HEAD

Slim line integral cartridge eductor

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- Maximized wear life.
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ABRASIVE INLET

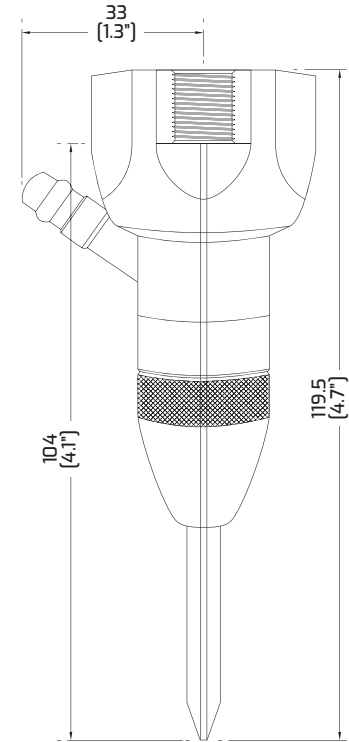
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TECH-HEAD



dtiCORE™ Diamond

- PERFECT ALIGNMENT through the whole cutting head.
- IMPRESSIVE AVERAGE LIFE 500 hours to 1,000 hours and above.
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**PRODUCTIVITY
EFFICIENCY
RELIABILITY**



**PRODUCTIVITY
EFFICIENCY
RELIABILITY**

**REPLACEMENT
DOWNTIME
COSTS**

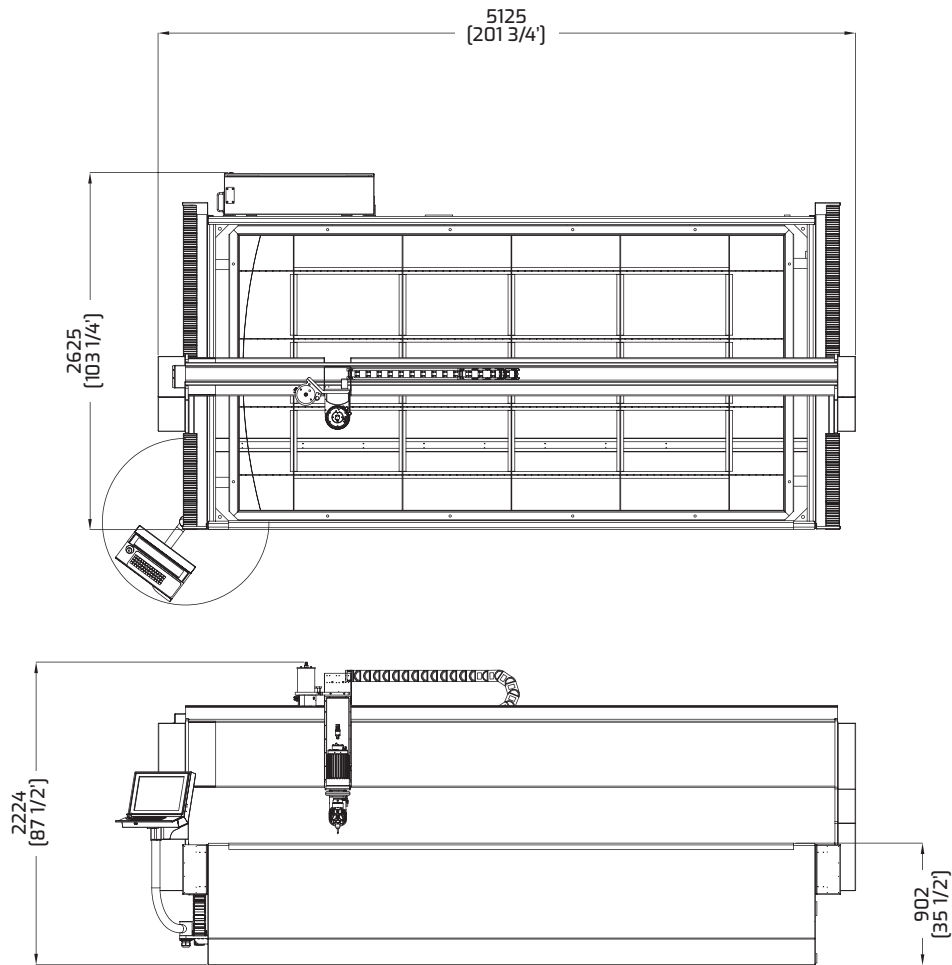
**REPLACEMENT
DOWNTIME
COSTS**

TECHNOLOGY & INNOVATION

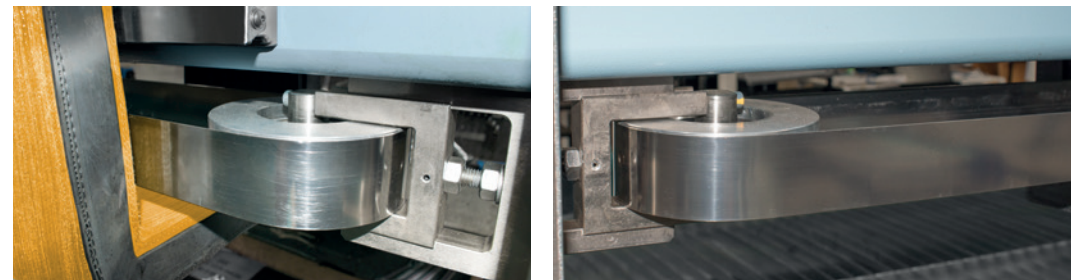
EXPERIENCE & QUALITY

POWER & CONTROL

Intec613-G2®

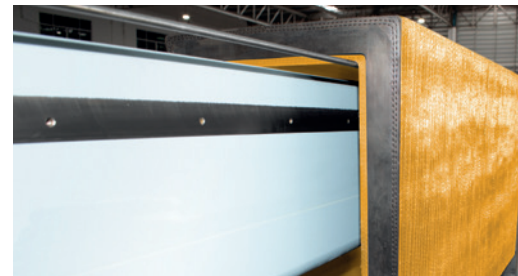


HIGH PRECISION SS BELT DRIVE
HIGH PRECISION SS BELT DRIVE

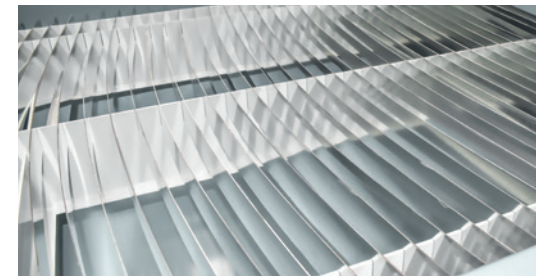


Smooth movements at rapid speeds with extreme accuracy.
Smooth movements at rapid speeds with extreme accuracy.

BELLOWS PROTECTING LINEAR BEARING RAIL ASSEMBLY
BELLOWS PROTECTING LINEAR BEARING RAIL ASSEMBLY



QUICK CHANGE REPLACEABLE SLAT GRID TABLE
QUICK CHANGE REPLACEABLE SLAT GRID TABLE





PAC60

- Cutting parts with a true angle up to +/- 60 degrees with continuous rotation.
 - Patented Kinematics to reduce cutting time significantly.
 - Complex 5-Axis Programming made easy and quick to learn.
 - Surface Scanner to maintain constant distance between nozzle and workpiece when cutting uneven slabs.
 - Positioning accuracy to ± 0.1 degrees.
 - Multi-pass cutting for edges with different angle.
 - Taper cutting automatic compensation.
-
- Taglio inclinato fino a 60° con rotazione continua senza riposizionamenti.
 - Cinematismo brevettato che riduce i tempi di taglio.
 - Programmazione semplificata di tagli complessi in 5 assi.



- Compensazione variazione spessore materiale sia per tagli verticali che inclinati.
- Tolleranza di posizionamento angolare +/- 0,1 gradi.
- Taglio multi-passata per realizzare bordi con angolazioni multiple.
- Compensazione automatica deviazione taglio.

ELECTRIC SERVO PUMP / SERVOPOMPA ELETTRICA

Quantum NXT™

The Quantum NXT™ pump is the smartest high-pressure water-jet cutting pump available in the market today, being up to 60% more energy efficient than hydraulic intensifiers.

Our advanced diagnostics brings Industry 4.0 to your workshop.

Quantum NXT™

La Quantun NXT™ è la pompa più efficiente presente sul mercato, che assicura una riduzione dell'assorbimento di corrente elettrica fino al 60%, silenziosità, facile manutenzione e sistema di controllo con diagnostica avanzata.



VP 15/52



ESP 37/66

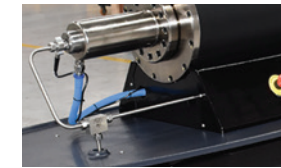
G4 MODEL	VP 15/52	ESP 37/66
MAX OUTPUT PRESSURE PRESSIONE MASSIMA	3585 bar (52.000 psi)	4550 bar (66.000 psi)
MAX OUTPUT VOLUME* PORTATA MASSIMA*	1.9 l/min (0.5 gpm)	3.8 l/min (1.0 gpm)
PHYSICAL DIMENSIONS (L x W x H) DIMENSIONI (LUNG x LARG x H)	1300 x 540 x 1100 mm (51" x 21.25" x 42")	1800 x 660 x 1270 mm (73" x 26" x 50")
WEIGHT PESO	400 kg (881 lbs)	628 kg (1385 lbs)
MAX NOISE LEVEL IMPATTO ACUSTICO	68 dBA	70 dBA
POWER REQUIREMENTS* ALIMENTAZIONE ELETTRICA	3 PH 380-480 VAC, 50-60 Hz, 60 Amp (30 Amp for VP 15/52)	
COOLING WATER REQUIREMENT LIQUIDO DI RAFFREDDAMENTO	3 l/min (0.8 gpm) @ 20°C (68°F)	6 l/min (1.4 gpm) @ 20°C (68°F)
OPTIMAL COOLING WATER TEMP TEMP. OTTIMALE LIQUIDO DI RAFFR.	16°C (60°F)	12°C (54°F)

* Due to a constant endeavour to improve the machine, the specifications may change without prior notice.
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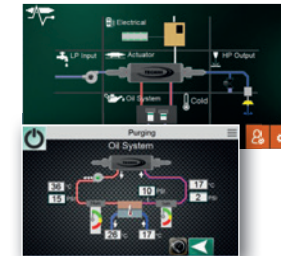
* Output volume based on 480 vac electrical supply. * Portata massima basata su alimentazione 480 volt.

ADVANCED DIAGNOSTICS - Industry 4.0 ready
DIAGNOSTICA AVANZATA - Industry 4.0 ready

TEMPERATURE SENSORS SENSORI DI TEMPERATURA



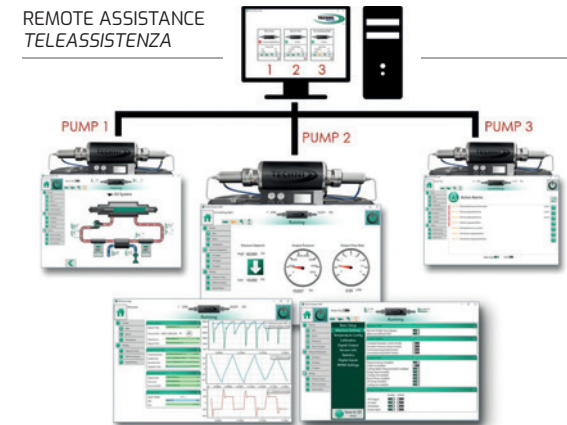
ALL DATA ON HAND
TUTTO SOTTO CONTROLLO



SERVICE COUNTERS
CONTATORI DI SERVIZIO



REMOTE ASSISTANCE
TELEASSISTENZA



AMC5

AMC5 Servo Control System

TECHNI Waterjet's™ new control system, the AMC5, utilizes the very latest CNC and Digital Servo Drive system. Developed by our control system partner, ANCA, the world leader in CNC Tool and Cutter Grinders. The AMC5 has a Touch screen interface as well as a pointing mouse.

Sistema di servocontrollo AMC5

AMC5, il nuovo sistema di controllo TECHNI Waterjet's™ utilizza il CNC e il sistema di servoazionamento digitale più innovativo. Sviluppato da ANCA, nostro partner per i sistemi di controllo, leader mondiale nel settore degli utensili e delle rettificatrici CNC. L'AMC5 è dotato di un'interfaccia touch e di mouse.

ABRASIVE PUMP AND HOPPER
ALIMENTATORE ABRASIVO

200 kg - OPTIONAL



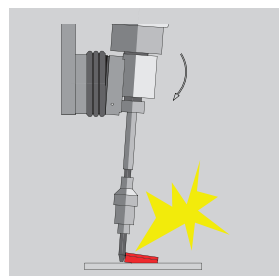
2000 kg

TECH-SENSE



The patented Tech-Sense Monitoring System enables true unattended operations. This unique feature of Techni Waterjet provides the ability to run a night shift without the need for an attending operator. Should the cutting be disrupted, e.g. blocked nozzle, the machine will pause the program and send a text message to your cell phone.

Il sistema di monitoraggio brevettato TECH-SENSE consente lavorazioni di taglio non presidiate. Ciò permette all'operatore di allontanarsi dalla macchina mentre lavora per eseguire altre attività. Qualsiasi anomalia venga riscontrata la lavorazione si interrompe automaticamente e l'operatore riceve un messaggio sul suo cellulare.

BREAK AWAY HEAD
SENSORE COLLISIONE UGELLO
DI TAGLIO

Not available when PAC60 installed.

Non disponibile quando è installata PAC60.

ABRASIVE REMOVAL SYSTEM
SISTEMA DI ESTRAZIONE FANGO
ABRASIVO

OPTIONAL

REMOTE CONTROL PENDANT
PULSANTIERA PENSILE

The Remote Control Pendant makes setting up your waterjet machine fast, simple and accurate. The RCP gives the operator full jogging control in X-Y & Z, as well as along the programmed cut path. This function makes it ideal for finding the exact position to restart cutting if required for any reason.

La pulsantiera pensile permette una programmazione rapida, semplice e accurata della Vostra macchina a getto d'acqua. Dà all'operatore il completo controllo in modalità Jog degli assi X - Y e Z e esegue la simulazione di taglio in tempo reale. È la soluzione ideale per trovare la posizione esatta da cui far ripartire il taglio, qualora richiesto per una ragione qualsiasi.

Intec613-G2® 06.2018

GMM

STONE MACHINERY



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 Fax. +39 0445 576244
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www.gmm.it

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 Fax+39 0324 869677
informazioni@mectoce.it
www.mectoce.it

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info@gmm.com.hk
www.gmmchina.cn

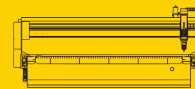
GMM (QUANZHOU) LTD.
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Info.gmmusa@gmm.it
www.gmm.it

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 Fax +61 3 9357 0446
www.techniwaterjet.com

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www.techniwaterjet.com

Intec613-G2®



WATERJET
 Intec510-G2® | Intec713-G2®

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.

ISO 9001
 BUREAU VERITAS
 Certification



Member of
 CONFINDUSTRIA MARMOMACCHINE
 ASSOMARMOMACCHINE



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.