

Intec-G2® Series



POWER & CONTROL



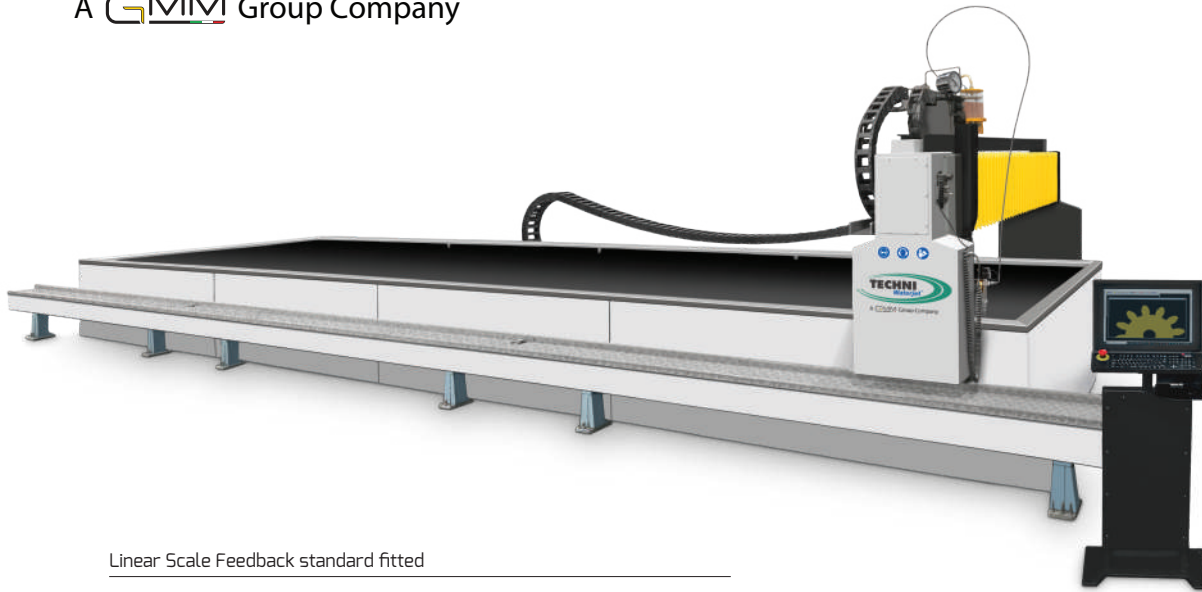
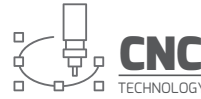
EXPERIENCE & QUALITY



TECHNOLOGY & INNOVATION



A GMM Group Company



Linear Scale Feedback standard fitted

ACCURACY WITH LINEAR SCALE FEEDBACK*	± 0,1 mm - 0,004"
REPEATAB. WITH LINEAR SCALE FEEDBACK*	± 0,05 mm - 0,002"

### TECHNICAL DATA

MODULE	i1033XL-G2
MACHINE SIZE (L x W x H) Does not include pumps or control cabinet	12800 x 5400 x 2200 mm 503,9" x 212,6" x 86,6"
MACHINE WEIGHT	10800 kg - 23800 lb
MACHINE WEIGHT (with water)	38800 kg - 85540 lb
CUTTING TABLE DIMENSION	10150 x 3270 mm 393,6" x 128,7"
CUTTING AREA (without PAC60)	10000 x 3000 mm 393,7" x 118,1"
BEVEL CUTTING AREA (with PAC60)	10000 x 3000 mm 393,7" x 118,1"
CUTTING AREA MAXIMIZED (with PAC60)	10000 x 3000 mm 393,7" x 118,1"
ACCURACY OF MOTION*	± 0,1 mm - 0,004"
REPEATABILITY OF MOTION*	± 0,05 mm - 0,002"
MAX. AIR SPEED	17,5 m/min - 700 in/min
MAX. CUTTING SPEED	17,5 m/min - 700 in/min
MAX. MATERIAL THICKNESS (with PAC60)	200 mm - 8" (175 mm - 7")

IMPORTANT NOTICE: the technical data is not binding and may be changed by Techni Waterjet without prior notice. All the above accuracy tolerances are correct at the calibration temperature of 20° ± 1° C.

\*Linear/Axis/Meter

Machines displayed in the present catalogue are without safety barriers in order to ensure the perfect vision of all the details of the machine.

# Intec-G2® 1033XL

HIGH-PRESSURE WATERJET SYSTEMS

## STANDARD FEATURES

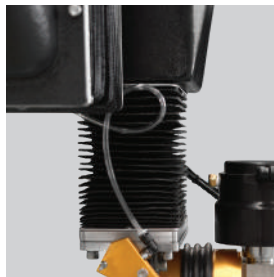
### BREAK AWAY HEAD



Should the cutting head inadvertently crash into a clamp/fixture, hit the edge of a work piece or an upturned part, the Break Away Head will detect the crash and automatically stop the machine.

Not available with PAC60.

### SERVO Z AXIS



Servo Z axis with auto height position recall, laser terrain mapping (optional) and edge location optics.

### HIGH-PRESSURE GAUGE



The HP gauge displays the pressure on the high-pressure water line. This allows the operator to see the actual pressure supplied to the cutting head and assists in troubleshooting.

### TECH-SENSE



Tech-Sense Monitoring System enables true unattended operations. Should the cutting be disrupted the machine will pause the program and send a text message to your cell phone (SMS Notification option must be fitted.)

### ABRASIVE PUMP AND HOPPER



The hopper includes a clear pump chamber to ensure abrasive is present and flowing correctly. Here is where the abrasive is pressurized, allowing the lid to be opened at any time.

### REMOTE CONTROL PENDANT



The MPG allows to manually wind forward or backward through a cutting path. This enables the operator to find the exact point along a cutting path from which to re-start cutting after a stoppage, or to simply locate a pre-cut part.

## ELECTRIC SERVO PUMP - Patented

### Quantum NXT™

The Quantum NXT™ pump incorporates core "direct servo" technology that was first applied by NASA for the Space Shuttle Program.



ESP 37/66

MAX OUTPUT PRESSURE 4550 bar (66,000 psi)

MAX OUTPUT VOLUME 3.8 l/min (1.0 gpm)

Output Volume Based on 480 VAC Electrical Supply

### BENEFITS

- 60% more efficient than hydraulic intensifier
- Designed for quick seal service
- Virtually silent with noise level of 70 dbA



ESP 74/66-D

MAX OUTPUT PRESSURE 4550 bar (66,000 psi)

MAX OUTPUT VOLUME 7.6 l/min (2.0 gpm)

Output Volume Based on 480 VAC Electrical Supply



## PAC60 - Patented

The PAC 60™ operating software incorporates the True Cut® algorithms data base, developed to determine the predicted taper at a given surface finish. This taper is then compensated for when cutting the part, anywhere from 0 to 60 degrees, giving you "Precision Angle Control" of any part that can be produced on an X-Y abrasive waterjet cutting machine.

- Cutting parts with a true angle up to +/- 60 degrees with continuous rotation.
- Patented Technology 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.