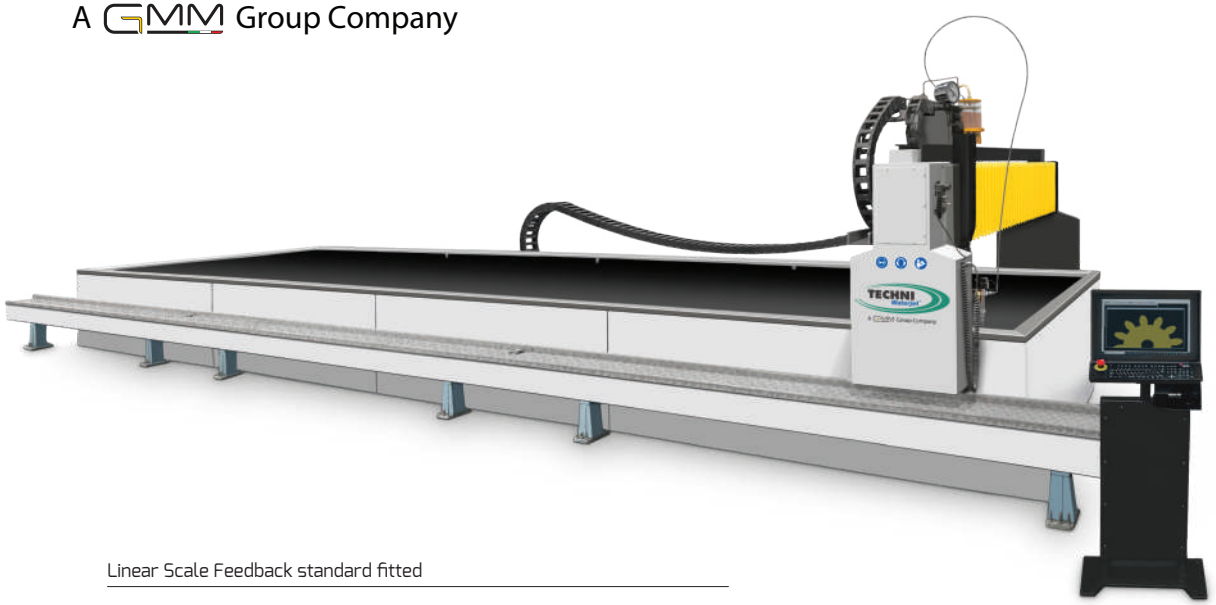
Intec-G2® Series

POWER & CONTROL | EXPERIENCE & QUALITY | TECHNOLOGY & INNOVATION

TECHNI Waterjet™

A GMM Group Company

CNC TECHNOLOGY



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 399,6" 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

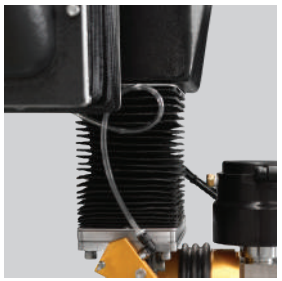
STANDARD FEATURES

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

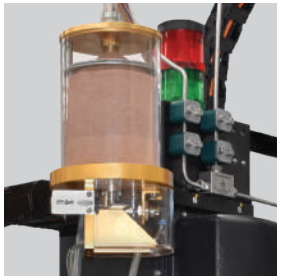


Servo Z axis with auto height position recall, laser terrain mapping (optional) and edge location optics.

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.

BENEFITS

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

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

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.