

Intec-G2® Series



POWER & CONTROL



EXPERIENCE & QUALITY



TECHNOLOGY & INNOVATION



A GMM Group Company



Upgrade Option - Linear Scale Feedback

ACCURACY WITH LINEAR SCALE FEEDBACK*	± 0,05 mm - 0,002"
REPEATAB. WITH LINEAR SCALE FEEDBACK*	± 0,025 mm - 0,001"

### TECHNICAL DATA

MODULE	i613-G2
MACHINE SIZE (L x W x H) Does not include pumps or control cabinet	5200 x 2700 x 2300 mm 205" x 106" x 91"
MACHINE WEIGHT	3600 kg - 7950 lb
MACHINE WEIGHT (with water)	8100 kg - 17860 lb
CUTTING TABLE DIMENSION	1930 x 3870 mm 76" x 152,3"
CUTTING AREA (without PAC60)	1700 x 3700 mm 66,9" x 145,7"
BEVEL CUTTING AREA (with PAC60)	1700 x 3700 mm 66,9" x 145,7"
CUTTING AREA MAXIMIZED (with PAC60)	1700 x 3700 mm 66,9" x 145,7"
ACCURACY OF MOTION*	± 0,15 mm/m - 0,006"
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" (130 mm - 5")

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® 613

HIGH-PRESSURE WATERJET SYSTEMS

## STANDARD FEATURES

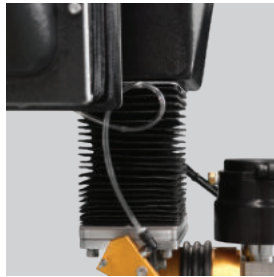
### BREAK AWAY HEAD



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



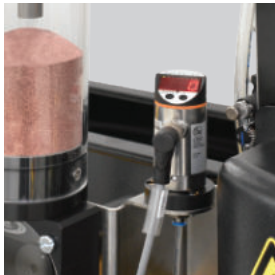
Servo Z axis with auto height position recall, laser terrain mapping (optional) and edge location optics.

### WATER RAISE AND LOWER



Automatic water Raise/Lower at the push of a button for quieter, cleaner and safer submerged cutting; our tanks include air-tight welds of an air chamber which uses regular shop air pressure.

### VAF AND TECH-SENSE



Tech-Sense Monitoring System enables true unattended operations. Should the cutting be disrupted the machine will pause the program which can be easily resumed. With our variable feeder, garnet supply is adjusted by the software.

### 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.

*Standard 500 Kg / Optional 2000 Kg*

### 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™

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



### VP 15/52

MAX OUTPUT PRESSURE 3585 bar (52,000 psi)  
MAX OUTPUT VOLUME 1.9 l/min (0.5 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 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



## 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.

*Full range of options available on the website*

[www.techniwaterjet.com](http://www.techniwaterjet.com) - [sales@techniwaterjet.com](mailto:sales@techniwaterjet.com)

