

Intec-G2® Series



POWER & CONTROL



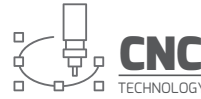
EXPERIENCE & QUALITY



TECHNOLOGY & INNOVATION



A GMM Group Company



Techjet Upgrade Option - Linear Scale Feedback

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

TECHNICAL DATA

MODULE	i1020-G2
MACHINE SIZE (L x W x H) Does not include pumps or control cabinet	8000 x 4200 x 2000 mm 315" x 165,3" x 78,7"
MACHINE WEIGHT	7170 kg - 15810 lb
MACHINE WEIGHT (with water)	21920 kg - 48330 lb
CUTTING TABLE DIMENSION	3200 x 6250 mm 126" x 246"
CUTTING AREA (without PAC60)	3050 x 6100 mm 120" x 240"
BEVEL CUTTING AREA (with PAC60)	2770 x 5820 mm 109" x 229"
CUTTING AREA MAXIMIZED (with PAC60)	3030 x 6100 mm 119,2" x 240"
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" (200 mm - 8")

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.

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® 1020

HIGH-PRESSURE WATERJET SYSTEMS

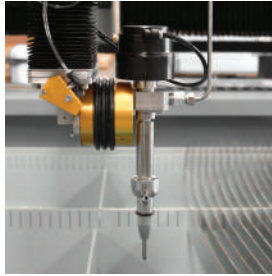
STANDARD FEATURES

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 accurately locate a pre-cut part.

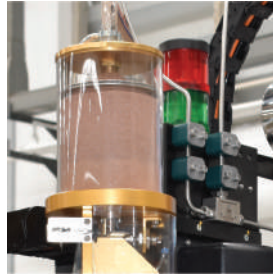
BREAK AWAY HEAD



When the cutting head inadvertently crashes into a clamp or fixture, or hits 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.

TECH-SENSE



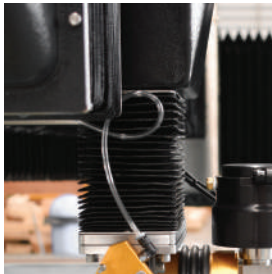
Tech-Sense Monitoring System provides the ability to run a night shift without the need for an attending operator. Should the cutting be disrupted, e.g. blocked nozzle, the machine will pause the program and send a text message to your cell phone.

WATER RAISE AND LOWER



Automatic water Raise/Lower at the push of a button for Submerged Cutting; our tanks include air-tight welds of an air chamber which uses regular shop air pressure.

SERVO Z AXIS



Programmable Z axis with auto height position recall, laser terrain mapping 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.

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.



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



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.