

GLASS MASTER



“Waterjet Cutting Machines for the Glass Industry”

Waterjet Cutting Systems

Machine Specifications

MODEL	i510 GM	i612 GM	i1713 GM
Machine Size (L x W x H) (Does not include intensifier or bulk abrasive hopper)	14' x 7' 8" x 6' 8" (4200 x 2350 x 2050 mm)	16' x 8' 6" x 6' 8" (4900 x 2650 x 2050 mm)	19' x 11' 2" x 6' 10" (5800 x 3400 x 2100 mm)
Machine Weight (Without water)	4440 lbs (2010 kg)	5140 lbs (2330 kg)	9040 lbs (4100 kg)
Machine Weight (With Water)	14900 lbs (6800 kg)	19180 lbs (8700 kg)	30000 lbs (13600 kg)
Cutting Table Size	5' 1" x 10' 3" (1550 x 3125 mm)	6' 1" x 12' 1" (1860 x 3690 mm)	7' 10" x 14' 5" (2400 x 4400 mm)
Cutting Area*	4' 7" x 9' 4" (1400 x 2850 mm)	5' 6" x 11' 3" (1680 x 3450 mm)	7' x 13' (2100 x 4100 mm)
Accuracy Of Motion	0.005" (± 0.12mm)	0.006" (± 0.15mm)	0.006" (± 0.15mm)
Repeatability Of Motion	0.001" (± 0.025 mm)	0.002" (± 0.05 mm)	0.002" (± 0.05 mm)
Max. Air Speed	700 ipm (17.5m/min)	700 ipm (17.5m/min)	700 ipm (17.5m/min)
Max. Cutting Speed	700 ipm (17.5m/min)	700 ipm (17.5m/min)	700 ipm (17.5m/min)
Max. Material Thickness	8" (200 mm)	8" (200 mm)	8" (200 mm)

* Cutting area without lifter installed



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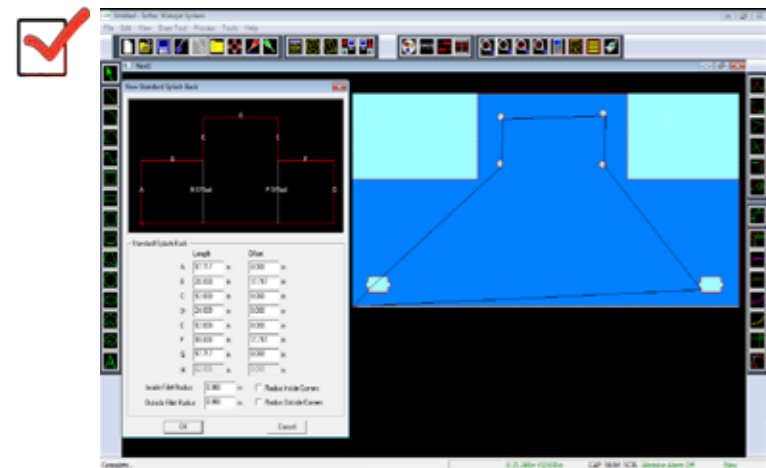
GLASS MASTER

BREAK AWAY HEAD
Incorporates a sensor to ensure the cutting head and machine are not damaged in the event of a crash



AIR TIGHT BELLOWS
Double stitched and vulcanized bellows, offer maximum protection of the linear bearings, drive system and moving parts

SUBMERGED CUTTING
Water level can be rapidly raised or lowered for almost "silent" cutting



SOFTec™ SOFTWARE
Softec Glass Master Software has been specifically developed to make programming of glass components such as Backsplash's, Frameless Shower Doors, Frameless Pool Fencing, Balustrades, and Counter Tops quick and simple

- Features Include:**
- Automatic translation of DXF files
 - On screen running and simulation in real time
 - Auto nesting and array nesting
 - Low pressure piercing
 - Database of standard glass cutouts include: Backsplash's, Electrical outlet cutouts and a range of Standard Hinge Notches

WASTE GARNET REMOVAL SYSTEM
A non-contact system using an air operated diaphragm pump. Waste garnet is pumped into a 2200 lbs (1000 Kg) tipper bin, which is easily unloaded with the aid of a forklift



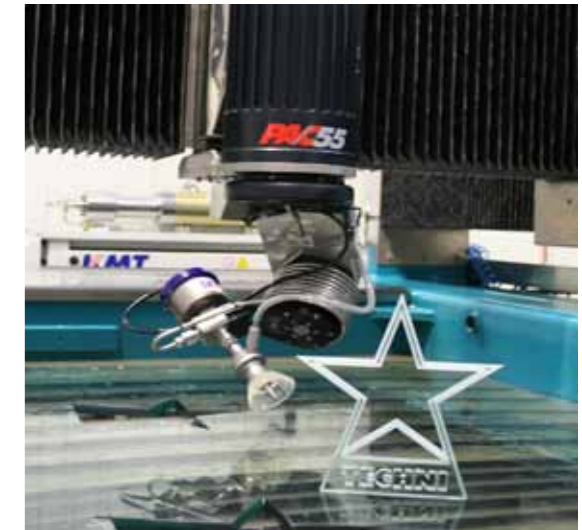
TECH-SENSE™
An abrasive monitoring system that will halt the cutting program should garnet blockages, worn focusing tubes or damaged orifices occur, making "Lights out" operation a reality



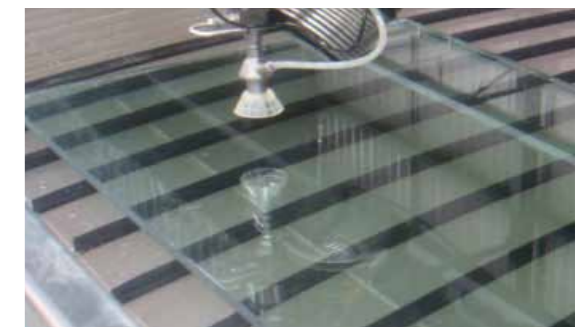
EZY-LOAD™ GLASS LOADING MECHANISM
Patented design EZY-LOAD™ glass handling system makes loading of glass sheets faster & safer with less breakage with up to 550lbs (250kg) lifting capability



PAC60™
The PAC 60™ is capable of producing parts with a true angle up to +/- 60 degrees with continuous rotation



EASY SLIDE RUBBER SLAT COVERS
Rubber slat covers have been designed by TECHNI to reduce scratching of the glass & produce better quality products



OPTIONAL **STANDARD**



Backsplash's



Thick, Bullet Resistant & Laminated Glass



Countertops



Frameless Shower Doors



Mirrors