



## JetMaster 3015

The best value proposition workhorse for high speed precision machining. From prototyping to full scale manufacturing, the PL-WJ-3015 Jetmaster can cut most materials quickly and accurately. Perfect for short-run production and just-in-time manufacturing. From small jobs to large-scale production, the Jetmaster 3015 increases your profitability and minimises your production cycle times.

### FEATURES

- Specialized water jet cutting software
- Programmable Motorized Z-Axis
- Precision X-Y Axis
- Pre-loaded linear bearings and precision ballscrews
- Low maintenance, high reliability hard plumbing
- Drive system sealed against water, dirt, and grit
- High efficiency 4th generation hydraulic system
- Operating pressure up to 60,000 psi
- Quiet and clean submerged cutting
- Bulk Abrasive Delivery System
- Maintenance-free 1.0 litre American accumulator
- American imported Accustream Intensifier
- Siemens Hydraulic variable pump motor
- All other electric components are Schneider
- Servo drives and motors are Yaskawa from Japan
- Screw and linear guides are TBI -Taiwan
- An installed oil tank provides continuous lubrication
- 19 inch LCD screen supplied
- Three-axis control, Auto zero positioning
- X axis beam is 8mm steel. Support beam is 10mm steel, and the water tank is 6mm steel.
- Linear guides have a soft cover protective sleeve
- Shipped to you as a completely pre-assembled and factory-tested system

### BENEFITS

- Cuts a wide range of materials and thicknesses, from metals to glass - up to 60mm
- Does not create heat-affected zones or mechanical stresses on materials
- No tool changes reduces job setup time
- No additional water required for pump cooling
- Produces a satin-smooth edge, reducing secondary finishing operations and associated costs
- No noxious gases, liquids or oils are used or caused by the machining process
- Most work noise is below 80 dBA at one metre for submerged cutting
- Environment-friendly system. Quiet and clean with low electrical consumption
- Reliable Anti-backwater design and accurate sand amount control panel, effectively reduces abrasive waste and prevents wet sand associated problems
- We hold consumables and spares in stock in Cape Town and Johannesburg, ensuring minimum downtime for your business



## SPECIFICATIONS

• Processing area	: 3000mm×1500mm
• Control accuracy	: ±0.01mm
• Cutting accuracy	: ±0.1mm
• Three-axis control	: Yes
• Auto zero positioning	: Yes
• Max. oil discharge	: 90 L/min
• Max. water discharge	: 3.8L/min
• Max. orifice diameter	: 0.33mm
• Max. operating pressure	: 420MPa(60000 psi)
• Continuous operating pressure	: 350-380MPa
• Power requirement	: 37KW
• Voltage	: 380V/50HZ or 220V/415v
• Spares package supplied	: Yes
• Abrasive supplied	: 250kg
• Maximum material load	: 1000kg /sq metre



## MATERIALS & APPROX. SPEED

Material	Thickness(mm)	Cutting Speed @ 400MPa
Marble / Granite	20	6 mm/sec
Marble / Granite	30	5 mm/sec
Glass	5	20 mm/sec
Glass	10	10 mm/sec
Glass	20	6 mm/sec
Sponge	50	80 mm/sec
Foam	50	80 mm/sec
Wood	10	20 mm/sec
Wood	50	4 mm/sec
Laminates	10	80 mm/sec
Steel	2	10 mm/sec
Steel	4	8 mm/sec
Steel	6	6 mm/sec
Steel	8	5 mm/sec
Steel	10	4 mm/sec
Steel	15	2.5 mm/sec
Steel	20	1 mm/sec
Steel	60	0.4 mm/sec
Aluminum	5	12 mm/sec
Aluminum	20	1 mm/sec
Copper	5	6 mm/sec
Copper	20	1 mm/sec

