

# JET START 510A

## MID RAIL ABRASIVE WATERJET SYSTEM

The Jet Start 510A takes the no-nonsense workhorse 3-axis, 5' x 10' motion system and pairs it with Jet Edge's HERO 50 intensifier pump that is loaded with features including Jet Smart controls. The result is an Abrasive Waterjet system capable of cutting complex parts from virtually any material with ultra-high precision. Jet Start your waterjet cutting operation with a Jet Start 510A Mid Rail Abrasive Waterjet system.



### JET START MID RAIL SYSTEMS AT A GLANCE:

- Isolated motion system for accuracy
- Adjustable pre-loaded anti-backlash recirculating ball screws
- Linear bearings, hardened precision ground ways
- Protected critical bearing components with labyrinth seals and positive air pressure
- Direct-couple, AC brushless servo motors with absolute encoders
- Dual synchronized Y-axis drive system

### HERO 50 WITH JET SMART CONTROLS AT A GLANCE:

- 60,000 psi/4,100 bar pressure rating
- 50 hp/37 kw TEFC NEMA premium efficiency motor
- Jet Smart interactive controls w/touch screen
- Remote start with Wye-Delta soft start
- Single, 1 quart/0.9 liter attenuator
- Dual plunger intensifier with tie rod design
- UHP flow rate 1.1 gpm/4.1 lpm

	JET START 510A W/ HERO 50 UHP PUMP
<b>JET START 510 MOTION SYSTEMS</b>	Mid Rail 5' x 10' work surface
Cutting Head	3-Axis AbrasiveJet Cutting Head
Mid Rail Motorized Light Z Package	12" Z Axis Travel
Aquavision Di Controller with Windows 10	Included
IGEMS Nesting Program Upgrade	Included
Full featured Handheld Pendant	Included
Abrasive Catch Tank with Slat Kit	Included
800lb Solid Phase Bulk Hopper	Included
Basic Installation and Training	Included
Additional Options Available	
<b>HERO 50 UHP INTENSIFIER PUMP WITH JET SMART CONTROLS</b>	
Control Panel	Interactive Touch Screen
Pressure Rating	60,000 psi/4,100 bar
Electric Motor	50 hp/37 kw
Intensifier	Single Tie Rod Design
Remote Pump Start	Included
Wye-Delta Motor Starter	Included
Dual pressure set points	Included
Manual pressure control with Soft Start accumulator	Included
Incoming Water Control Kit	Included

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# JET START 510A5

## MID RAIL ABRASIVE WATERJET SYSTEM

The Jet Start 510A5, 5-axis motion system launches you into complex, contoured cutting right from the start. Combining Jet Edge's premium 5' x 10' mid rail motion system with Jet Edge's HERO 50 intensifier pump featuring Jet Smart controls, dramatically expands your production capabilities. Cut complex, precision shapes in tough materials like stainless steel, Inconel and titanium with no Heat Affected Zone like you see in laser or plasma cutting. Jet Start the value add of 5-axis abrasivejet cutting with a Jet Start 510A5 Mid Rail Abrasive Waterjet system.



### JET START MID RAIL SYSTEMS AT A GLANCE:

- Isolated motion system for accuracy
- Adjustable pre-loaded anti-backlash recirculating ball screws
- Linear bearings, hardened precision ground ways
- Protected critical bearing components with labyrinth seals and positive air pressure
- Direct-couple, AC brushless servo motors with absolute encoders
- Dual synchronized Y-axis drive system

### HERO 50 WITH JET SMART CONTROLS AT A GLANCE:

- 60,000 psi/4,100 bar pressure rating
- 50 hp/37 kw TEFC NEMA premium efficiency motor
- Jet Smart interactive controls w/touch screen
- Remote start with Wye-Delta soft start
- Single, 1 quart/0.9 liter attenuator
- Dual plunger intensifier with tie rod design
- UHP flow rate 1.1 gpm/4.1 lpm

	<b>JET START 510A5 W/ HERO 50 UHP PUMP</b>
<b>JET START 510A5 MOTION SYSTEM</b>	Mid Rail 5' x 10' work surface
Cutting Head	5-Axis AbrasiveJet Cutting Head
Mid Rail Servoed Z Package	12" Z Axis Travel
Aquavision Di Controller with Windows 10	Included
IGEMS Nesting Program Upgrade	Included
Full featured Handheld Pendant	Included
Abrasive Catch Tank with Slat Kit	Included
800lb Solid Phase Bulk Hopper	Included
Basic Installation and Training	Included
Additional Options Available	
<b>HERO 50 UHP INTENSIFIER PUMP WITH JET SMART CONTROLS</b>	
Control Panel	Interactive Touch Screen
Pressure Rating	60,000 psi/4,100 bar
Electric Motor	50 hp/37 kw
Intensifier	Single Tie Rod Design
Remote Pump Start	Included
Wye-Delta Motor Starter	Included
Dual pressure set points	Included
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