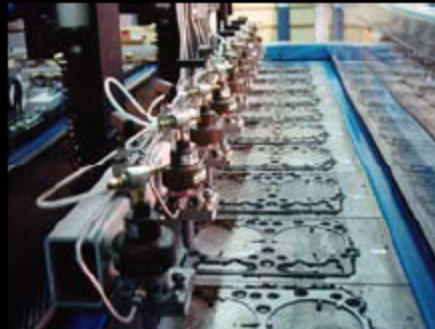
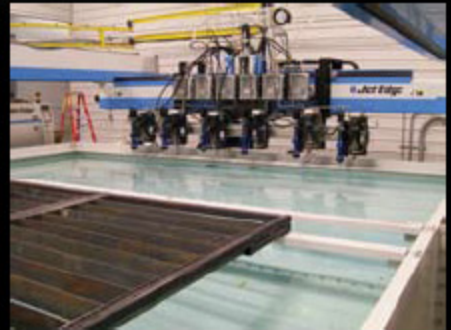




# **Jet Edge**

WATERJET SYSTEMS



MADE IN THE  
**USA**

[WWW.JETEDGE.COM](http://WWW.JETEDGE.COM)

1.800.JET.EDGE

# Jet Edge

WATERJET SYSTEMS

## PRECISION PUMPS

### 30HP iP55-30

#### Model iP55-30 Intensifier Pump:

- 60,000 psi (4,100 bar) rated pump
  - 0.65 gpm (2.5 lpm) flow rate
- Sound insulation package for quiet operation
- 30 HP high efficiency TEFC electric motor
- Single intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .011 in. (.28 mm)

### 50HP iP60-50

#### Model iP60-50 Intensifier Pump:

- 60,000 psi (4,100 bar) rated pump
  - 1.1 gpm (5 lpm) flow rate
- Sound insulation package for quiet operation
- 50 HP high efficiency TEFC electric motor
- Single intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .015 in. (.38 mm)

### 50HP xp90-50

NEW!

#### Model xp90-50 Intensifier Pump:

- 90,000 static psi (6,200 bar)
- 75,000 psi (5,200 bar) continuous operating pressure
  - 0.7 gpm (2.61 lpm) flow rate
- Sound insulation package for quiet operation
- 50 HP high efficiency TEFC electric motor
- Single intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .011 in. (.28 mm)

### 75HP iP55-75

#### Model iP55-75 Intensifier Pump:

- 60,000 psi (4,100 bar) rated pump
  - 1.5 gpm (5.7 lpm) flow rate
- Sound insulation package for quiet operation
- 75 HP high efficiency TEFC electric motor
- Single intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .018 in. (.46 mm)

90,000 PSI  
WATERJET  
Increase productivity up to 50%!  
Reduce operating costs up to 40%!

### 100HP xp90-100

#### Model xp90-100 Intensifier Pump:

- 90,000 static psi (6,200 bar)
- 75,000 psi (5,200 bar) continuous operating pressure
  - 1.45 gpm (5.49 lpm) flow rate
- Sound insulation package for quiet operation
- 100 HP high efficiency TEFC electric motor
- Dual intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .017" (.43 mm)

### 100HP iP55-100

#### Model iP55-100 Intensifier Pump:

- 60,000 psi (4,100 bar) rated pump
  - 2.0 gpm (7.6 lpm) flow rate
- Sound insulation package for quiet operation
- 100 HP high efficiency TEFC electric motor
- Dual intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .020 in. (.51 mm)

### 150HP iP55-150

#### Model iP55-150 Intensifier Pump:

- 60,000 psi (4,100 bar) rated pump
  - 3.25 gpm (12.1 lpm) flow rate
- Sound insulation package for quiet operation
- 150 HP high efficiency TEFC electric motor
- Dual intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .025 in. (.64 mm)

### 200HP iP55-200

#### Model iP55-200 Intensifier Pump:

- 60,000 psi (4,100 bar) rated pump
  - 4.0 gpm (15.2 lpm) flow rate
- Sound insulation package for quiet operation
- 200 HP high efficiency TEFC electric motor
- Dual intensifier package
- All voltages available
- Maximum Rated Orifice:
  - .028 in. (.71 mm)



Many of our customers have 35,000 + hours  
on Jet Edge pumps that are still going strong!

# PRECISION CUTTING SYSTEMS

Jet Edge motion systems are manufactured to National Machine Tool Building Association (NMTBA) standards. Motion system tolerance capabilities are verified through dynamic analysis using a Renishaw™ Ballbar system, assuring the accurate positioning and precise repeatability necessary for producing quality parts on a consistent basis.



## HIGH RAIL GANTRY SYSTEM

This unique system allows full access to the work envelope and raises critical components out of the harsh process environment. Multiple cutting heads can be added to increase productivity and the work envelope. The High Rail Gantry can be expanded as your business grows.

**Standard sizes available in 2-foot increments: 4' X 4' to 24' X 14'; custom sizes available.**

## MID RAIL GANTRY SYSTEM

This system produces complex parts out of virtually any material. Designed to easily accommodate overhead loading, it comes standard with one abrasivejet cutting head; a second cutting head can be added for increased productivity.

The Mid Rail Gantry is ball-screw driven for higher accuracy.

**Available in multiple sizes – See [www.jetedge.com](http://www.jetedge.com) for details.**



## LOW RAIL GANTRY SYSTEM

For applications requiring larger cutting envelopes, Jet Edge offers the Low Rail Gantry bridge, which travels on a floor-mounted rack and pinion drive system. This gantry cuts virtually anything and can be expanded.

**Standard Size: up to 30' x 100'**



## AQUAVISION DI® CONTROLLER

Jet Edge's AquaVision DI® is the most advanced Industrial PC waterjet motion controller in the industry. Its customized Visual Basic front end guides the user through the process from job set-up to production. Single parts, mirroring, rotation, plate alignment and part arrays (optional) are right at your fingertips.



## REMOTE CONTROL PENDANT

The full-featured, handheld remote control pendant features full motion system functionality and displays operating parameters. The pendant can operate the following controls:

- Motor On/Off
- High/Low Pressure
- E-Stop of All Controls



## ACCESSORIES



### **OmniJet® Water-Only Cutting Head**

The patented OmniJet® Cutting Head creates a coherent waterjet stream and provides responsive on/off UHP water control. Its lightweight and compact size makes it versatile for multi-directional cutting.

### **Permalign® II-B Abrasivejet Cutting Head**

The patented Permalign® II Cutting Head, combined with the OmniJet®, creates an abrasivejet capable of cutting virtually anything. Long lasting and easy to maintain, the Permalign II-B achieves ultimate performance and reliability for abrasivejet cutting.



### **Abrasive Delivery System**

The patented Solid-Phase Abrasive Delivery® System and the Fluidized Abrasive Delivery System convey abrasive to single or multiple cutting heads. Using compressed air, the systems create an even distribution of abrasive flow to achieve reliable cutting results.



### **Pneumatic Drill**

The pneumatic drill gives waterjet operators the opportunity to expand their cutting capabilities and take in new types of work by enabling them to quickly pierce sensitive materials prior to cutting them with waterjet. It also can be used for reaming holes to a precise diameter. The drill works with any manufacturer's waterjet system.



### **Dual Pressure Valve®**

The patented Dual Pressure Valve® is a remotely mounted valve that allows waterjet operators to control water pressure independently of the intensifier pump. This enables operators to run a number of tables or cutting stations at various pressures.



### **Contact Height Sensor**

Contact height sensing allows you to overcome significant fluctuations in material flatness by maintaining a constant automatic standoff within 0.040" (1mm) of your set standoff height. As a result, you will achieve optimum cut quality, tolerance, taper and speed without having to monitor the standoff. The Contact Height Sensor senses directly around the nozzle so the information is as close as possible to the nozzle location.



### **Abrasive Removal System**

Abrasive Removal Systems separate solids from tank water to allow continuous, economical system operation.



### **Closed Loop Filtration System**

Closed Loop Filtration Systems eliminate the need for a drain by filtering and reusing water. A closed-loop system prevents the introduction of hazardous materials into drainage systems, protects your pump, maximizes orifice life and reduces water/sewage costs.



### **In-Line Chiller**

The In-Line Chiller cools the pump hydraulics and cutting water (when used in combination with a closed-loop filtration system), significantly reducing water use and prolonging the life of pump components, including high pressure seals.



## MWR - TECHNICAL PARTNERS

Michael Waltrip Racing waterjets 250 parts for each of its racecars. Since installing their Jet Edge Waterjet, MWR has increased productivity **50%** and gets new design improvements to the racetrack **2 weeks** faster.

On one part alone, MWR saves **\$130,000** per year!

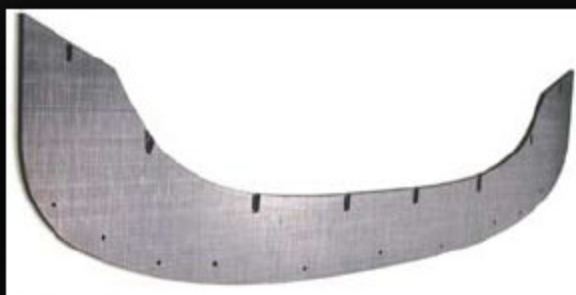


"When we decided to add the waterjet process to our machining capabilities, everyone at MWR agreed that it was of utmost importance to bring in the most accurate, dependable system available. That's why we chose Jet Edge."

*Michael Waltrip*



Waterjet Room at Michael Waltrip Racing



Race Car Splitter Cut With Waterjet



Splitter on Race Car



michael waltrip racing  
TECHNICAL PARTNERS

CONTACT JET EDGE TODAY!  
1.800.JET.EDGE (538-3343)

SALES@JETEDGE.COM  
WWW.JETEDGE.COM

## 97% of Jet Edge Customers Say They Would Buy from Jet Edge Again. Here's Why...



### Customer Focused – 24/7/365

*Jason Stevens, Reuel Inc.*

"I like Jet Edge's vertical integration and one call for service. A lot of the other companies require you to call one company for parts and service on the gantry and another for parts and service on the pump. I also liked Jet Edge's 24-hour availability. Many other waterjet manufacturers were available eight to five in their time zone or they had online support. Plus, I really liked working with David Arthur [Jet Edge's Southeast U.S. regional sales manager]. I felt that he was as honest as a salesman could be and was willing to work with us to determine the best solution."

### Quality

*Ron Palstring, Pegasus Northwest*

"I've ran virtually every single waterjet and Jet Edge was always the most accurate and durable machine out there. Jet Edge is the best engineered waterjet machine. The biggest difference is that the other machines would need to be recalibrated daily and would just lose themselves. Now we are set up for biannual and annual recalibration. It saves thousands of man hours not having to recalibrate daily."



### Productivity

*Tony Yaroshak, Stainless Steel Technology*

"[Jet Edge abrasivejet] revolutionized our business. It was the best way to go. It's been an excellent, excellent boon to us. I can now cut thick aluminum up to 6 inches (0.152m), same with the steel. Now there are no limits. The waterjet is able to cut any type of material. Last winter we used it to cut holes in 6-inch manganese steel. It was a very hard problem. It's an almost impossible job other than with waterjet."

#### About Jet Edge

Established in 1984, Jet Edge is a global designer and manufacturer of waterjet systems for precision cutting, surface preparation and coating removal. Jet Edge systems are used around the world in a broad range of industries, from the world's leading airlines to automotive, aerospace, industrial manufacturers, machine and job shops. Jet Edge waterjet systems are proudly made in the U.S.A.



12070 43rd Street NE  
St. Michael, MN 55376-8427  
1.800.JET.EDGE (538-3343)  
[www.jetedge.com](http://www.jetedge.com)

MADE IN THE  
USA

SINCE 1984

**Jet Edge**  
WATERJET SYSTEMS