



# METAL CUTTING



**TIGHTER NESTING**



**SMALLER KERF**



**NO HAZ**



**BURR FREE FINISH**

## **WATERJET CUTS**

- Aluminum
- Alloys
- Brass
- Bronze
- Copper
- Carbon Steel
- Cast Iron
- Composites
- Inconel
- Invar
- Lead
- Mild Steel
- Kevlar
- Stainless Steel
- Titanium
- Tool Steel
- & much more

# FIVE-AXIS



# NO MATERIAL STRESS



# NO DUST OR FUMES



# NEAR NET SHAPE



## WHY WATERJET

- Eliminates Most Finishing
- Environmentally Friendly
- Cuts Multilayer Materials
- Cut Thin foil - 12" Titanium
- High Speeds (Most Materials)
- Easily integrate into Automation
- Contouring Systems
- Easy Programming w/Standard CAD/CAM Systems
- Multiple Axis Cutting
- Allows Rapid Prototyping
- Minimal Fixturing Required
- No Tool Sharpening



# STREAMLINE® PRO-III SERIES 90,000PSI PUMPS



125hp/60hp  
Dual Head Cutting  
Redundant Intensifiers

## WORLD'S FASTEST WATERJET

When you factor in the greater productivity of cutting faster, a 50-100% increase in capacity, reduced abrasive costs up to 50% and increase gross margins, the PRO III 90,000psi waterjet system is an attractive alternative to the standard 60,000psi waterjet technology.

### MAX. ORIFICE SIZE:

PRO-III 60HP: .011  
PRO-III 125HP: .016



More Information,  
Videos and  
Testimonials

Increase Productivity/Profitability

Reduce Abrasive Cost

Increase Capacity

Lowest Cost Per Part



\* 60,000psi Parts  
Shown for  
Comparison

# STREAMLINE™ SL-VI 60,000PSI PUMPS

## THE RIGHT SOLUTION FOR EVERY APPLICATION

The KMT SL-VI Series utilizes the latest technology and a configurable design for ease of use, reliability and convenience. The result is a system that delivers the highest efficiency & profit.

Available in 30hp, 40hp, 50hp & 100hp, and an Optional Redundant Intensifier, the KMT SL-VI has the Horsepower, Pressure and Options to Fulfill Most Every Application.

### INCREASED ORIFICE SIZES = INCREASED PRODUCTIVITY

SL-VI Single Head Cutting	
Orifice Size @ 30hp	.011
Orifice Size @ 40hp	.013
Orifice Size @ 50hp	.014

SL-VI 100hp # Cutting Heads	Orifice Size	@PSI
1 (1.88 gpm max)	.019"	60,000
2 (1.88 gpm max)	.013"	60,000
1 (2.00 gpm max)	.020"	55,000
2 (2.00 gpm max)	.014"	55,000

Values good for 60Hz & 50Hz



#### SL-VI s-Series BASIC MODEL

No Doors  
No Cover  
No Electric Panel

#### SL-VI e-Series ECONOMICAL MODEL

No Cover

#### SL-VI i-Series INDUSTRIAL MODEL

Fully Loaded

# TRILINE™ 55,000PSI PUMPS



The TRILINE™ delivers high efficiency at continuous operation and is ideal for small job shops performing conventional shapecutting.

## DIRECT DRIVE TECHNOLOGY - EFFICIENT & ECONOMICAL

- Three Frame Options for Flexible, Easy Integration
- Continuous Duty Water Pressure Generator
- Patented Valve Automatically Controls Pressure & Flow Rate
- Small Footprint & Emits a Low 82dBA Sound Level

30hp Models: With Doors, No Doors & Frameless

More TRILINE Information



## AUTOLINE® PRO 90,000PSI NOZZLE



### HIGH SPEED, SELF-ALIGNING ABRASIVE CUTTING NOZZLE

Independent tests prove the KMT AUTOLINE® Series of Abrasive Nozzles cut faster & at a lower cost than any other nozzle.

Tests performed by the University of Missouri-Science & Technology showed that the AUTOLINE® design achieved best overall cutting performance for speed & efficiency.

#### Simple, Self-aligning Components

The self-aligning components of the KMT AUTOLINE II provide perfect alignment & extends the life of focusing tubes & mixing chambers. (AUTOLINE® 60,000psi Pressure Available)

## IDE® PRO DIAMOND 90,000PSI NOZZLE



### DIAMOND MOUNTING DESIGN IMPROVES ALIGNMENT & CUTTING PERFORMANCE

The KMT Diamond Orifice-Integrated Diamond Eductor PRO is integral to the cutting head & factory aligned for life. The KMT IDE® PRO cutting nozzle is a one piece body, with a permanent mounted orifice, reducing operating downtime compared to changing a diamond orifice.

The IDE® PRO has achieved successful test cutting performance at 100,000PSI & has demonstrated 1,000+ cutting hours in the field for many applications. The IDE® PRO performance rating is 10-20 times better over sapphires or rubies. (IDE®60,000PSI Pressure Available)

## ADS SERIES HOPPERS ABRASIVE DELIVERY SYSTEM



### CONTINUOUS LEVEL MONITORING --FOR EFFICIENT PRODUCTION!

**Abrasive Flow Monitoring Saves Time & Costs**  
KMT ADS SERIES HOPPERS precisely monitor the availability of sufficient abrasive closely during the entire cutting process.

The abrasive level indicator uses a weighing mechanism combined with a low-level alarm (or warning light on 2,000lb unit) to detect the low limit (100 lbs.) and notify the user.

Available in 500 LB. & 2,000 LB. Capacity.

## FEEDLINE V ABRASIVE METERING SYSTEM



### OPTIMIZED ABRASIVE FLOW FOR CUSTOMIZED APPLICATIONS

**Stable and Repeatable Parameters** are a fundamental requirement for high quality waterjet cutting. Without this controlled supply, the mixing chamber for abrasive, air and water would become clogged up and lead to higher costs.

The FEEDLINE V accurately controls the abrasive flow required for each application, further lowering costs of operation.

# KMT Genuine Parts & Service

Your business is worth it.



**THE KMT PREVENTIVE MAINTENANCE (PM) Program** provides a 65 Point Comprehensive Inspection for your KMT pumps, parts and components.

## PARTS & SERVICE CONTACTS

**800-826-9274**  
**24 Hours a Day/7 Days a Week**  
 Normal business hours are 7:00AM CDT to 5:00PM CDT

kmtgenuineparts@kmtwaterjet.com  
 kmtgenuineservice@kmtwaterjet.com

**Order Parts Online:**  
[kmtgenuineparts.com](http://kmtgenuineparts.com)

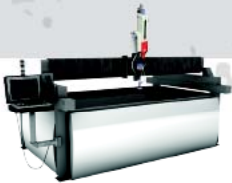


More Information on KMT Genuine Service PM Program



**KMT Genuine Parts & Service is Closer Than You Think**

## KMT ORIGINAL EQUIPMENT MANUFACTURERS (OEM'S) DESIGN, ENGINEER, AND MANUFACTURE THE RIGHT WATERJET SYSTEM FOR YOUR CUTTING APPLICATION.



KMT Waterjet System Integrators are experienced in waterjet cutting to ensure that you & your employees are well trained & have all the tools & support you need for a successful and profitable waterjet cutting business.

### KMT GLOBAL WATERJET OEM OPTIONS:

- Standard and Customized Tables
- Multiple Cutting Heads
- X-Y, X-Y-Z, 4, 5 & 6 Axis Cutting
- Robotic Integration
- Combination Systems: Saw, Plasma or Drill



More Information on KMT Global OEM's



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KMT Waterjet now offers a Cut Calculator APP that compares 90,000psi to 60,000psi cutting.

**Increase Productivity @ 90,000psi!**

