KMT Waterjet Systems has the largest and most advanced global network of Original Equipment Manufacturers (OEM) who will design, engineer, and manufacture the right waterjet cutting system for your cutting application.

The KMT Waterjet OEM network contains accomplished manufacturers in their field of integration, whether its One Dimensional, X-Y, X-Y-Z, or 4, 5 and 6-Axis (3D) Robotic cutting application.

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

With KMT Waterjet Integrators, You Can Choose From These Options:

- Standard and Customized Tables
- Multiple Cutting Heads
- X-Y, X-Y-Z, 4, 5 & 6 Axis Cutting
- Robotic Trimming

Combination Waterjet Systems include: Saw, Plasma, or Drill
KMT Waterjet Systems is a world leader in the development of waterjet cutting technology and offers a wide range of ultrahigh waterjet pumps, advanced cutting nozzles, aftermarket KMT Genuine Parts and accessories for waterjet cutting technology. KMT Waterjet operates using a certified ISO9001 Quality Management System standard.
KMT WATERJET SYSTEMS. OVER 40 YEARS OF GLOBAL WATERJET TECHNOLOGY!

1946 McCartney Products founded by Joe McCartney, in Baxter Springs, Kansas, US
1951 Manufacturer of first LDPE high pressure pump with 36,000 psi/2.500 bar for the chemical industry
1964 Ingersoll Rand acquires McCartney Products and lays foundation for Waterjet Division

1971 Ingersoll Rand launches the STREAMLINE® SL-I, the first 55,000 psi/4.000 bar high pressure pump for waterjet cutting
1972 Tulsa World newspaper feature waterjet story on Ingersoll Rand and the “Blade That’s Always Sharp”
1986 Best-Matic opens the waterjet center in Bad Nauheim, Germany
1988 STREAMLINE® SL-II 55,000 psi/4.000 bar introduced
1989 Ingersoll Rand (IR) takes over the Best-Matic Group
1990 STREAMLINE® SL-III 55,000 psi/4.000 bar launched
1993 IR Bad Nauheim appointed sales office for HP pumps for ESA (Europe, Africa, Middle East & Asia)
1996 STREAMLINE® SL-IV 55,000 psi, with fewer intensifier parts introduced
1996 Autoline® cutting head is introduced with interchangeable orifices, representing an alignment efficiency and performance breakthrough

2001 AMS abrasive management system launched
2002 STREAMLINE® SL-IV Plus with 60,000 psi/4.137 bar high pressure introduced
2003 Karolin Machine Tool (KMT) purchases the waterjet division from Ingersoll Rand
2004 STREAMLINE® SL-V 60,000 psi/4.137 bar with HSEC (Hard Seal End Cap) Technology is introduced with a metal-to-metal seal, reducing consumables to save operating costs
2005 KMT acquires Aqua-Dyne® water blasting products
2006 KMT acquires H2Ojet®, waterjet pumps, and aftermarket parts products
2008 Acquisition of the KMT Group by the Swedish investment company Nordstjernan
2008 Launch of IDE® Cutting Nozzle with permanent diamond mounted orifice improving alignment and cutting performance
2009 KMT opens Shanghai, China office for sales and service to the Asia-Pacific Region
2009 KMT introduced the STREAMLINE PRO® 90,000 psi/6.200 bar 60 HP Ultra-High Pressure Pump
2010 STREAMLINE PRO® 90,000 psi/6.200 bar 125 HP Ultra-High Pressure Pump---World’s Fastest Waterjet Cutting is introduced
2011 NEOLine® 55,000 psi/3.800 bar 40 HP Pump is launched as a value option for small job shops

1971 Ingersoll Rand first commercial waterjet installation in Alton, IL
1976 Ingersoll Rand featured in Business Week magazine on General Motors’ use of Waterjet cutting
Maximum Industries
Irving, Texas
maximumind.com
972-501-9990

Maximum Industries utilizes the latest technology in CNC equipment for waterjet cutting, laser cutting, machining, routing and precision laser marking. Maximum Industries has five waterjet systems including a true 5-axis system powered by the KMT STREAMLINE PRO™ 125 HP 90,000 psi pump. There are also two dual cutting head waterjet systems and two single head systems to handle large production runs and multiple projects. Maximum Industries. "Whatever it Takes" to exceed customer expectations.
Jiangsu Daming Manufacturing is a leading large scale stainless steel processing manufacturer with numerous locations including Wuxi, China. The production facilities machinery includes waterjet technology, laser, plasma, plate sawing, surface polishing, and processing platforms. Daming operates multiple waterjet systems including 5-axis cutting. Daming’s primary contract applications include shipyards, bridges, and pressure containers.
KMT STREAMLINE PRO® 125 HP

KMT Waterjet Systems introduces the Next Generation of waterjet pumps, a 90,000 psi/6.200 bar, 125 HP pump.

The KMT STREAMLINE PRO® 125 pump is the BEST solution for manufacturers requiring maximum performance and exceptional value.

Increased Production
With waterjet pressure up to 90,000 psi/6.200 bar, the advanced KMT STREAMLINE PRO® 125 pump delivers the manufacturer twice the power, by cutting products in half the time over conventional 60,000 psi - 100 HP waterjet systems.

Faster, Easier Maintenance
Intelligent design simplifies and speeds the access to seals and wear parts.

Fastest Cutting in the Waterjet Industry
Continuous production of 90,000 psi/6.200 bar with dual phase intensifiers to virtually eliminate pressure drop and enables twice the cutting power over lower pressure systems. Perfect for cutting thick steel, titanium, aluminum, brass and much more.

Essential Features
- 90,000 psi at 125 HP with dual phase intensifiers.
- Dual Intensifiers for Maximum UHP Maximum HP and Maximum Productivity.
- Downwards compatible to 30,000 psi operational pressure when less waterjet force is needed to complete the project.
- Sophisticated software includes remote access and ability to network multiple pumps.
- Double front doors for easy access and maintenance with padded insulation for sound reduction.
- Multiple language controls.
- Ceramic plungers for maximum reliability.

SYSTEM INFORMATION:
- Nominal Power Rate: 125 HP (93kW)
- Maximum Pressure Range: 90,000 psi (6.200 bar)
- Maximum Water Flow Rate @ 90,000 psi (6.200 bar): 1.43 gpm (5.4 lpm)
- Maximum Single Orifice Diameter: 0.016” (0.406 mm)
- Number of Language Options on Display: 5
- Control Voltage & Power Supply: 24 V DC, 5 Amps DC
- Max. Noise Level: 94 dB (A)
- Ambient Operating Temperature: Min. -40 °F (-40 °C) Max. 122 °F (50 °C)
- Length: 88.00” (2,230 mm)
- Width: 59.09” (1,500 mm)
- Height: 61.12” (1,552 mm)
- Max. Weight: 6,850 lbs (3,107 kg)
- Accumulator Volume: 0.42 Gal. (1.6 L)
- High Pressure Water System
  - Max. Flow Rate: 9.2 gpm (34.8 lpm)
  - Min. Pressure: 5 psi (0.03 bar)
  - Flow Rate: 6.5 gpm (24.6 lpm)
- Hydraulic System
  - Max. Pressure: 2,400 psi (16.3 bar)
  - Flow Rate: 1.7 gpm (6.4 lpm)
- Cooling System
  - Coolant Consumption: 0.875” (22.2 mm)
  - Coolant Flow Rate: 44 gpm (167 lpm)
- Soft Start:
  - Included
- Dual Pressure Control:
  - Included
- Flow Control:
  - Included
- Proportional Control:
  - Standard
- Remote Online Diagnostics (via Modem):
  - Standard
- Digital Pressure Display:
  - Included

Perfect for high volume production from single head to multiple cutting head requirements and for intricate detailed cutting with tight tolerance requirements.

Cut thick metals including steel, stainless steel, titanium, and aluminum. The KMT STREAMLINE PRO® 125 is the World’s Fastest Waterjet Cutting Solution.
KMT Waterjet Systems introduces the Next Generation of water jet pumps, a 90,000 psi/6.200 bar, 60 HP pump. The KMT STREAMLINE PRO® 60 pump is the BEST solution for manufacturers requiring higher performance and outstanding value.

Increased Production
With waterjet pressure up to 90,000 psi/6.200 bar, the advanced KMT STREAMLINE PRO® 60 pump delivers a substantial improvement over cutting at 60,000 psi - 50 HP for a greater return on investment. When compared with 60,000 psi cutting speeds, the new STREAMLINE PRO® 60 pump will significantly increase cutting productivity by 30% - 40%.

Faster, Easier Maintenance
Intelligent design simplifies and speeds access to seals and wear parts.

Faster Cutting
Continuous production of 90,000 psi/6.200 bar enables faster cutting over lower pressure systems. Perfect for cutting thick steel, titanium, aluminum, brass and much more.

Essential Features
- 90,000 psi at 60 HP
- Threaded, stud design utilizes hydraulic tension for ease of maintenance.
- Downwards compatible to 30,000 psi operational pressure when less waterjet force is needed to complete the project.
- Sophisticated software includes remote access & ability to network multiple pumps.
- Multiple language controls
- Maximum Pressure

SYSTEM INFORMATION:
- Nominal Power Rate: 60 HP (45kW)
- Maximum Pressure Range: 90,000 psi (6.200 bar)
- Max. Water Flow Rate (at 90,000 psi, 6.200 bar): .73 gpm (2.8 lpm)
- Minimum Inlet Cutting Water Pressure: 35 psi (2.4 bar)
- Maximum Nominal Strokes per Minute: 64
- Accumulator Volume: .42 Gal. (1.6 L)
- Cooling Water Consumption: 3.5 gpm (13.2 lpm)
- Dual Pressure Compensator: Included
- Optional

Increase Productivity!
PRO® 90,000 psi/60 HP Single Head Cutting

Industry Standard
60,000 psi/50 HP Single Head Cutting

Increase Productivity!
THE KMT INTENSIFIER

THE SOURCE OF PRESSURE. No other system incorporates the features of the KMT STREAMLINE PRO® to deliver the simplest, easiest-to-operate, most reliable system. The KMT intensifier can be disassembled one side at a time and features quick, one-step seal replacement.

Precision Designed, Rapid Change UHP Intensifier

- Unsurpassed Productivity
- Reduced Maintenance

Benefits of KMT’s Rapid Change UHP Intensifier:

✓ Maintenance friendly design = more uptime
✓ Reduces seal change time by 50% vs. comparable UHP pumps
✓ Low torque hard seal end cap metal-to-metal design
✓ Eliminates complicated bolt tensioning and tie rods
✓ No specialty hydraulic tools required
✓ Longer life on seals & consumable parts
✓ Improved cylinder alignment
✓ Fewer component parts
✓ Improved UHP cylinder, seal head and check valve life

DELIVER THE PRESSURE!

90,000 psi/6.200 bar

PRODUCTS

DELIVER THE PRESSURE!

90,000 psi/6.200 bar

STREAMLINE PRO® 60 Single Intensifier (Redundant Intensifier Optional)

STREAMLINE PRO® 125 Dual Intensifiers

Material/Cut Speeds Chart

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>ORIFICE DIA.</th>
<th>0.011</th>
<th>0.016</th>
<th>Dual 0.011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>0.5 (13mm)</td>
<td>55.0</td>
<td>76</td>
<td>116.16</td>
</tr>
<tr>
<td></td>
<td>1.0 (25mm)</td>
<td>21.14</td>
<td>29.26</td>
<td>42.2</td>
</tr>
<tr>
<td></td>
<td>2.0 (51mm)</td>
<td>7.7</td>
<td>10.8</td>
<td>15.04</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>0.5 (13mm)</td>
<td>17.2</td>
<td>24.71</td>
<td>39.05</td>
</tr>
<tr>
<td></td>
<td>1.0 (25mm)</td>
<td>6.4</td>
<td>9.47</td>
<td>1.6</td>
</tr>
<tr>
<td></td>
<td>2.0 (51mm)</td>
<td>2.25</td>
<td>3.51</td>
<td>5.1</td>
</tr>
<tr>
<td>Titanium</td>
<td>0.5 (13mm)</td>
<td>24.4</td>
<td>4.44</td>
<td>40.6</td>
</tr>
<tr>
<td></td>
<td>1.0 (25mm)</td>
<td>9.5</td>
<td>1.20</td>
<td>16.07</td>
</tr>
<tr>
<td></td>
<td>2.0 (51mm)</td>
<td>0.55</td>
<td>4.90</td>
<td>7.1</td>
</tr>
<tr>
<td>Granite</td>
<td>0.5 (13mm)</td>
<td>62.16</td>
<td>5.72</td>
<td>134.2</td>
</tr>
<tr>
<td></td>
<td>1.0 (25mm)</td>
<td>2.1</td>
<td>20.41</td>
<td>47.52</td>
</tr>
<tr>
<td></td>
<td>2.0 (51mm)</td>
<td>2.1</td>
<td>7.4</td>
<td>17.06</td>
</tr>
<tr>
<td>Abrasive Flow Rate Lbs./Min.</td>
<td>1.1</td>
<td>1.7</td>
<td>1.1 per head</td>
<td></td>
</tr>
</tbody>
</table>

Download the KMT PRO® 90,000 psi Cut Calculator

Download the KMT PRO® View Rapid Seal Change video
**KMT WATERJET**

**STREAMLINE® PUMPS**

**THE RIGHT PUMP MATTERS!**

High Pressure Pumps for 60,000 psi Cutting

KMT STREAMLINE® Series Pumps

The Industry Standard and an Exceptional Value

The KMT STREAMLINE® Series utilizes the latest technology and an innovative design for ease of use, reliability and convenience. The result is a system that delivers the highest efficiency and profit.

Our full-featured, SL-V pumps are available in more sizes and with new "Cutting Edge" options only from KMT Waterjet. These pumps are the easiest to maintain and the most advanced STREAMLINE® pumps ever offered. Depending on pressure and water quality, KMT seals last longer than any other system – allowing for continuous operation in the most demanding production schedules.

**Easiest to Maintain**

- **Single Topwork per Pump** - 60,000 psi produced with just one topwork, delivering lower maintenance costs, and quieter operation with fewer parts.
- **Larger Plunger** - The longer, slower strokes of the ceramic plunger move more water with each stroke, providing more uptime and longer seal life.
- **Quick Release** Plunger – Exclusive plunger removal design simplifies removal. Cartridge seal system design is the fastest change-out design and provides a redundant sealing system.

**Optional Redundant Topworks**

- Adding a Redundant Topworks provides a completely identical high pressure production system to any pump over 15 HP. Activating the redundant system takes just a few minutes and maintains a continuous flow of maximum high pressure for continuous production. The option is well worth the investment for shops under tight production schedules and need in continuous, reliable production from just one machine. It is nearly the equivalent of having two pumps in one, while consuming less space and far less capital.

---

**STREAMLINE® SL-V 50 Plus Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>59hp (44 kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Continuous Pressure</td>
<td>60,000 psi (413.7 bar)</td>
</tr>
<tr>
<td>Max. Water Flow Rate</td>
<td>1.8 gpm (7.1 L/min)</td>
</tr>
<tr>
<td>Max. Single Orifice Dia. (1/4” pressure)</td>
<td>0.050 in. (1.27 mm)</td>
</tr>
<tr>
<td>Control Voltage &amp; Power Supply</td>
<td>24V DC, 10 Amperes DC</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>Max. 40°C (104°F) Min. 5°C (41°F)</td>
</tr>
<tr>
<td>Hydraulic Reservoir Capacity</td>
<td>28 gals (108 L)</td>
</tr>
<tr>
<td>Cooling Water Flow</td>
<td>18 gpm (68 L/min)</td>
</tr>
<tr>
<td>Alternator Volume</td>
<td>25 gal (95 L)</td>
</tr>
<tr>
<td>Length</td>
<td>62.75” (1.6 m)</td>
</tr>
<tr>
<td>Width</td>
<td>24” (61 cm)</td>
</tr>
<tr>
<td>Height</td>
<td>51.58” (1.31 m)</td>
</tr>
<tr>
<td>Weight</td>
<td>2,800 lbs.</td>
</tr>
</tbody>
</table>

---

**STREAMLINE® SL-V 100 Plus Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>109hp (81 kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Continuous Pressure</td>
<td>60,000 psi (413.7 bar)</td>
</tr>
<tr>
<td>Max. Water Flow Rate</td>
<td>3.0 gpm (11.4 L/min)</td>
</tr>
<tr>
<td>Max. Single Orifice Dia. (1/4” pressure)</td>
<td>0.078 in. (1.98 mm)</td>
</tr>
<tr>
<td>Control Voltage &amp; Power Supply</td>
<td>24V DC, 15 Amperes DC</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>Max. 40°C (104°F) Min. 5°C (41°F)</td>
</tr>
<tr>
<td>Hydraulic Reservoir Capacity</td>
<td>62 gals (235 L)</td>
</tr>
<tr>
<td>Cooling Water Flow</td>
<td>30 gpm (114 L/min)</td>
</tr>
<tr>
<td>Alternator Volume</td>
<td>51 gal (195 L)</td>
</tr>
<tr>
<td>Length</td>
<td>77.75” (1.97 m)</td>
</tr>
<tr>
<td>Width</td>
<td>28” (71 cm)</td>
</tr>
<tr>
<td>Height</td>
<td>51.58” (1.31 m)</td>
</tr>
<tr>
<td>Weight</td>
<td>4,280 lbs.</td>
</tr>
</tbody>
</table>

---

**STREAMLINE® SL-V 200 Plus Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>200hp (149 kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Continuous Pressure</td>
<td>60,000 psi (413.7 bar)</td>
</tr>
<tr>
<td>Max. Water Flow Rate</td>
<td>4.0 gpm (15.1 L/min)</td>
</tr>
<tr>
<td>Max. Single Orifice Dia. (1/4” pressure)</td>
<td>0.100 in. (2.54 mm)</td>
</tr>
<tr>
<td>Control Voltage &amp; Power Supply</td>
<td>24V DC, 20 Amperes DC</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>Max. 40°C (104°F) Min. 5°C (41°F)</td>
</tr>
<tr>
<td>Hydraulic Reservoir Capacity</td>
<td>120 gals (455 L)</td>
</tr>
<tr>
<td>Cooling Water Flow</td>
<td>75 gpm (287 L/min)</td>
</tr>
<tr>
<td>Alternator Volume</td>
<td>91 gal (341 L)</td>
</tr>
<tr>
<td>Length</td>
<td>91.5” (2.32 m)</td>
</tr>
<tr>
<td>Width</td>
<td>47” (119 cm)</td>
</tr>
<tr>
<td>Height</td>
<td>78” (198 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>5,220 lbs.</td>
</tr>
</tbody>
</table>

---

**STREAMLINE® SL-V 15 Plus Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>15hp (11 kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Continuous Pressure</td>
<td>60,000 psi (413.7 bar)</td>
</tr>
<tr>
<td>Max. Water Flow Rate</td>
<td>0.4 gpm (1.5 L/min)</td>
</tr>
<tr>
<td>Max. Single Orifice Dia. (1/4” pressure)</td>
<td>0.060 in. (1.52 mm)</td>
</tr>
<tr>
<td>Control Voltage &amp; Power Supply</td>
<td>24V DC, 15 Amperes DC</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>Max. 40°C (104°F) Min. 5°C (41°F)</td>
</tr>
<tr>
<td>Hydraulic Reservoir Capacity</td>
<td>12 gals (46 L)</td>
</tr>
<tr>
<td>Cooling Water Flow</td>
<td>75 gpm (287 L/min)</td>
</tr>
<tr>
<td>Alternator Volume</td>
<td>31 gal (120 L)</td>
</tr>
<tr>
<td>Length</td>
<td>64” (1.6 m)</td>
</tr>
<tr>
<td>Width</td>
<td>28” (71 cm)</td>
</tr>
<tr>
<td>Height</td>
<td>57.19” (1,453 mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>1,300 lbs.</td>
</tr>
</tbody>
</table>
KMT Waterjet offers the S-Series, an intensifier pump manufactured for complete system integration. The S-30 & S-50 intensifiers are designed for the user that prefers to design and build the pump control logic, including shutdown due to overstroking, overheating, loss of water pressure and all other aspects of pump control.

**NEOLINE® 40i Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>Max. Continuous Pressure</th>
<th>Max. Water Flow Rate</th>
<th>Max. Single Orifice Dia. (at pressure)</th>
<th>Control Voltage &amp; Power Supply</th>
<th>Ambient Operating Temperature</th>
<th>Hydraulic Reservoir Capacity</th>
<th>Cooling Water Flow</th>
<th>Attenuator Volume</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 hp (29 kW)</td>
<td>55,000 psi (3,800 bar)</td>
<td>0.72 gpm (2.73 L/min)</td>
<td>0.12 in. (0.30 mm)</td>
<td>24V DC; 5 Amps DC</td>
<td>Min. 40 F (5°C), Max. 104 F (40°C)</td>
<td>32 gal (121 L)</td>
<td>75 °F (24°C) Water Temp.</td>
<td></td>
<td>56.53&quot; (1,435 mm)</td>
<td>42&quot; (1,067 mm)</td>
<td>39.5&quot; (1,003 mm)</td>
<td>2,000 lbs.</td>
</tr>
</tbody>
</table>

**STREAMLINE® SL-V E-Series Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>Max. Continuous Pressure</th>
<th>Max. Water Flow Rate</th>
<th>Max. Single Orifice Dia. (at pressure)</th>
<th>Control Voltage &amp; Power Supply</th>
<th>Ambient Operating Temperature</th>
<th>Hydraulic Reservoir Capacity</th>
<th>Cooling Water Flow</th>
<th>Attenuator Volume</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-30</td>
<td>55,000 psi (3,800 bar)</td>
<td>0.6 gpm (2.3 L/min)</td>
<td>0.11 in. (0.28 mm)</td>
<td>24V DC, 5 Ampl DC</td>
<td>Min. 40 F (5°C), Max. 104 F (40°C)</td>
<td>40 gal (154 L)</td>
<td>3 gpm (11.4 L/min)</td>
<td>2.65 gal (.99 L)</td>
<td>68&quot; (1,727 mm)</td>
<td>36&quot; (914 mm)</td>
<td>49.2&quot; (1,250 mm)</td>
<td>2,350 lbs.</td>
</tr>
<tr>
<td>E-50</td>
<td>55,000 psi (3,800 bar)</td>
<td>1.0 gpm (3.8 L/min)</td>
<td>0.14 in. (0.36 mm)</td>
<td>24V DC, 5 Ampl DC</td>
<td>Min. 40 F (5°C), Max. 104 F (40°C)</td>
<td>40 gal (154 L)</td>
<td>3 gpm (11.4 L/min)</td>
<td>2.65 gal (.99 L)</td>
<td>68&quot; (1,727 mm)</td>
<td>36&quot; (914 mm)</td>
<td>49.2&quot; (1,250 mm)</td>
<td>2,615 lbs.</td>
</tr>
</tbody>
</table>

**STREAMLINE® S-Series Specifications**

<table>
<thead>
<tr>
<th>Nominal Power Rate</th>
<th>Max. Continuous Pressure</th>
<th>Max. Water Flow Rate</th>
<th>Max. Single Orifice Dia. (at pressure)</th>
<th>Control Voltage &amp; Power Supply</th>
<th>Ambient Operating Temperature</th>
<th>Hydraulic Reservoir Capacity</th>
<th>Cooling Water Flow</th>
<th>Attenuator Volume</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-30</td>
<td>60,000 psi (4,137 bar)</td>
<td>2.5 gpm (9.5 L/min)</td>
<td>0.14 in. (0.36 mm)</td>
<td>24V DC, 5 Ampl DC</td>
<td>Min. 40 F (5°C), Max. 104 F (40°C)</td>
<td>40 gal (154 L)</td>
<td>3 gpm (11.4 L/min)</td>
<td>2.65 gal (.99 L)</td>
<td>84.25&quot; (2,132 mm)</td>
<td>39&quot; (991 mm)</td>
<td>44.8&quot; (1,180 mm)</td>
<td>3,100 lbs.</td>
</tr>
<tr>
<td>S-50</td>
<td>60,000 psi (4,137 bar)</td>
<td>3.8 gpm (14 L/min)</td>
<td>0.16 in. (0.41 mm)</td>
<td>24V DC, 5 Ampl DC</td>
<td>Min. 40 F (5°C), Max. 104 F (40°C)</td>
<td>40 gal (154 L)</td>
<td>3 gpm (11.4 L/min)</td>
<td>2.65 gal (.99 L)</td>
<td>84.25&quot; (2,132 mm)</td>
<td>39&quot; (991 mm)</td>
<td>44.8&quot; (1,180 mm)</td>
<td>3,100 lbs.</td>
</tr>
</tbody>
</table>

**High Pressure Pumps for 55,000 psi Cutting**

**KMT NEOLINE® and STREAMLINE® Series**

Proven Reliability & Most Affordable

The KMT Waterjet NEOLINE® 40i Pump is the NEW Low Cost Option for Multiple Waterjet Cutting Applications.

The KMT Waterjet NEOLINE® 40i pump uses KMT proven intensifier technology for superior performance with less maintenance.

The durable and reliable NEOLINE® 40i pump is ideally suited for small job shops, sign and automotive shops requiring the versatility and flexibility found only with waterjet cutting.

The NEOLINE® 40i features a new, low profile cabinetry design for easy access to pump controls and components along with 55,000 psi operating pressure to cut steel, glass, granite, tile, plastic, aluminum, stone and much more.

**The Perfect Solution for Small Job Shop Cutting**

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**Download the 60,000 psi Cut Calculator**

**THE BROADEST RANGE OF WATERJET PUMPS!**

**THE FORUM SHOPS**

**PRODUCTS**

**55,000 psi/3,800 bar**
FASTER CUTTING KMT WATERJET NOZZLES

CUTTING NOZZLES

Abrasive Cutting Nozzle

AUTOLINE® PRO

High Speed, Sel aligning, Cutting No le

Independent tests prove the MT Autoline Series, an Abrasive Cutting Nozzle is less cut time and at a lower cost than any other no le. The Next Generation of the Autoline Series, the MT Autoline PRO, is designed to provide the ultimate in cutting q iency at 100,000 psi, while maintaining the ease of use and exacting perf ormance.

No e - Single Ind Module Design

The new 90,000 psi/6,200 bar Autoline PRO has the same module design and components found in the MT Autoline - like the original MT Autoline, all no le components can be changed individually, as needed, allowing maximum effi ciency. In all abrasive cutting no les, there are three series of wear: the orifice, the mixing chamber, and the focusing tube. The Autoline provides the individual replacement of any wear component, giving you the lowest operating cost.

Pro on to Be Best

Independent tests have shown that the MT Autoline - design is the ultimate in effi ciency and has the lowest operating cost. Tests performed by the University of Missouri-Science & Technology showed that the Autoline design achieved the best overall cutting perf ormance for speed and effi ciency. Fast cutting and low abrasive consumption helped it to win the top position. Of course, if you re more interested in speed, the orifice can be replaced in seconds with a larger size with just a quarter turn of the insert body.

The net result is an outstanding nozzle that delivers a sharper, more coherent, cutting stream for faster cutting and a more productive system. The new MT Autoline PRO is the best, most precise cutting no le.

Summary of Features

- Wear Insert - Larger or relocated or increased by e accept.
- Same Interior Geometries as Autoline - High performance, high cutting effi ciency and abrasion resistance.
- Easy O il I e Change - No tools re uired.
- New Hole Indicator - Shows the wear on the orifice to be tightened, eliminating time for tight eing or tightening to protect both the orice and the no le tube.
- New design - No T E - no design or easy cleaning stream tight eing and disassembling.
- Angelized Abrasive e inlet - increased by e angle.< E ease of alignment, and the angle of the abrasive e inlet - 45°.
- Easier Hose Attachment - Nozzle hose slips or inlets or easier to attach.

NUMBER OF CUTTING HEADS POSSIBLE @ 90,000 psi/6,200 bar MAXIMUM PRESSURE

<table>
<thead>
<tr>
<th>Orifice Size</th>
<th>Pump Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inch/mm</td>
<td>60 HP</td>
</tr>
<tr>
<td>0.004 (0.10)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.005 (0.13)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.006 (0.16)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.007 (0.18)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.008 (0.20)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.009 (0.23)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.010 (0.25)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.011 (0.28)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.012 (0.30)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.013 (0.33)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.014 (0.35)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.015 (0.38)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
<tr>
<td>0.016 (0.40)</td>
<td>10 1.5 24 0.014 (0.50)</td>
</tr>
</tbody>
</table>

FOR PEAK PERFORMANCE!

Diamond Cutting Nozzle

IDE® PRO

The next generation in ltra High Pressure Diamond Abrasive e Cutting

The MT 90,000 psi/6,200 bar, Integral Diamond Eductor PRO, has achieved success of cutting per ormance at 100,000 psi, consistently demonstrating superior per ormance and reduced operating cost. When compared to competitive brand abrasive e cutting heads:

- 2 to 5X more producti on per maintenance cycle
- From 3 to 10X greater mean time bet ween failures
- Superior sidel e quality
- MT s expertise in diamond orice manu acturing brings you a superior cutting head that has re solutioned the ater jet cutting industry.

HyperTube™ PRO Indexing Focusing Tube for the IDE® PRO & Autoline™ PRO

Indexing Feature:

Before using HyperTube™ PRO, line up “star” marking on outer face at the abrasive feed connection.

MT s expertise in diamond orice manu acturing brings you a superior cutting head that has re solutioned the ater jet cutting industry.

Summary of Features

- ni e No. Diamond Mounting Design Improves Alignment & Cutting Per ormance
- No e-Designed No e Increases Per ormance
- Less Seal Per for No e - Reduced
- Need for Silencing or Current Sensors
- Engineered for the No e - Faster Cutting Streamlines PRO - 90,000 psi Pump

Products

Pure Water Pneumatic Nozzle

AQUALINE

Pure ater jet applications are among the most demanding o subcontracting obs in the industry.

Demands put on ater jet components and some industry production units usually run 3 to 4 8 hour shifts throughout the complete cut of cutting ater jet no les, which is highlighted by the need for extremely high reliability and speed.

Any production stop is equivalent to expensive delays and st udo ins in processes which do e the production to stream.

Wide Range of Applications

Pure water jet applications usually work with significantly higher cutting speeds compared to those of abrasive cutting. The typical applications of this nature are found in the Automotive and Aerospace Industries as well as miscellaneous plastic and composite processing - ater jet, foam and food are also accessible application areas for pure no les.

Reability under Extreme Conditions

Independent tests have shown that the MT Autoline - design is the ultimate in efficiency and has the lowest operating cost. Tests performed by the University of Missouri-Science & Technology showed that the Autoline design achieved the best overall cutting performance for speed and efficiency. Fast cutting and low abrasive consumption helped it to win the top position. Of course, if you re more interested in speed, the orifice can be replaced in seconds with a larger size with just a quarter turn of the insert body.

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- Easier Hose Attachment - Nozzle hose slips or inlets or easier to attach.

KMT Autoline® and IDE® cutting no les are also available in pressure rated at 60,000 psi.

HyperTube™ PRO Focusing Tube

The superior design of the HyperTube PRO is engineered for longer, more uniform water precipitation. Focusing tube slits cut through the HyperTube PRO includes an Indexing feature to insure uniform internal abrasive water. (HyperTube PRO Trademark of KMT-Phoenix)

Ease of Maintenance

Leak holes protect the nozzle body, nozzle tube and nozzle nut from damages and indicate clearly which connection has to be tightened or which seal has to be replaced. The uniue design allows for replacing the seal in under 5 min.

Back up Solutions

The compact design allows it to be adapted to multiple cutting no les on a 1- or 2-D cutting machine to increase productivity. In practice, more than 12 cutting heads have been hooked up to a single cutting system.

Compact Design or Flexibility

The A water jet is lightweight and ensures flexibility in both multi-head and -D applications.

“KMT Autoline® and IDE®” cutting no les are also available in pressure rated at 60,000 psi.

PRODUCTS

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KMT Genuine Parts
There’s No Substitute for Proven Precision and Reliability. For over 40 years, KMT Waterjet Genuine Parts are manufactured in the USA using the exact specifications as the original parts for KMT new pumps.

BENEFITS OF KMT GENUINE PARTS
• KMT Genuine Parts receive quality control inspections for superior durability.
• KMT Genuine Parts maintain pump warranty.
• KMT Genuine Parts are made to precise specifications best suited for KMT Pumps.
• 24/7 access to Customer Service and Technical Service.
• New improvements made to KMT Genuine Parts are incorporated into KMT Genuine aftermarket parts.

KMT Genuine Service
Experienced Support for Maximum Performance and Reliability.

KMT offers a Preventive Maintenance (PM) Program which provides a 65 Point Comprehensive Inspection for your KMT pumps, parts and components.

BENEFITS OF THE KMT PM PROGRAM
• Improves operational performance, efficiency and dependability.
• Minimize maintenance costs.
• Reduce down times.
• Enable end users to focus resources on core business.
• Improve parts life and reduce down time with proper seal replacements.

KMT Waterjet Preventive Maintenance
Comprehensive 65 Point Inspection

INTENSIFIER
1. HP Cylinder
2. Seal Heads
3. HP Seals
4. Liners
5. Plungers
6. Plunger Head
7. HSEC Nut
8. Nutting Belts
9. Hydraulic Cylinder
10. Pressure Switch
11. Pressure Seals
12. Hydraulic Seal Cartridge
13. Hydraulic Seal Retainer
14. O-rings
15. Backup Ring
16. Retaining Ring

Motor/Pump
17. Aiming Sensor
18. Noise
19. Vibration
20. Leaks

Electrical
21. Display Function
22. Power Supply Test
23. Voltage Check
24. Cable Inspection

Hydraulic
25. Piston Pump
26. Recirculation Pump
27. Compensators
28. High Pressure Relief Valve
29. Low Pressure Relief Valve
30. Pressure Gauge
31. Main Relief Valve
32. Directional Valve
33. Hoses & Fittings

Cooling
34. Modulating Valve
35. Heat Exchanger
36. Temperature Sensor

Cutting Heads
AutoLine®, IDE® & Aqualine™
37. Actuator
38. N.C. Valve Body
39. Ss. Seals
40. Stem & Seat
41. Nozzle Tube
42. Wear Insert
43. Orifice
44. Focus Tube

Abrasives Feedline V, Feedline Precision, ADS 500 & 2,000 LB.
45. Abrasive Hopper
46. Metering System
47. Wear Insert
48. Transfer Hoses
49. Abrasive Output

Abrasive Feeders and Vessels

Order parts 24/7 @ kmtgenuineparts.com Toll Free: 800-826-9274 E-mail: wj.parts@kmtwaterjet.com Fax: 620-856-2242

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