

## Advanced Pumps for Large, Demanding, High Pressure Water Applications



The Streamline™ SL-V 200R Plus pump from KMT Waterjet is designed for massive cutting jobs, ease-of-use, simpler maintenance and lower operating costs.

### Benefits include the following:

#### High Pressure Water Reliability

- The KMT Streamline™ SL-V 200R Plus Series pump has the redundant option - the option of adding an additional intensifier as standby. Having an extra intensifier available, with a 2 gpm capacity, provides the reliability needed for demanding production schedules.

- The Streamline™ SL-V 200R pump uses the same advanced technology as the industry-leading\* Streamline™ pumps. *\*Streamline™ pumps are used by more waterjet system builders than any other.*

#### High Pressure Water Capacity

200 Horsepower	4 Gallons per Minute (gpm)
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#### Minimal Floor Space Required

One 200 horsepower pump displaces four 50 horsepower pumps.

#### The KMT Intensifier

Made in our own facility in the U.S.A. for the best control over quality and extreme precision, the intensifier pressurizes water to a level up to 60,000 psi for continuous high performance cutting.



#### Reduced Maintenance

Just two intensifiers provide full power. Each delivers up to 2 gpm, using 100 hp.

#### Customer-Focused Design

Intensifiers are located at the front of the machine for easy access.

#### Lower Cost per Gallon

The costs of one pump (both operating cost and purchase cost) are lower than several smaller pumps.

#### More Standard Features

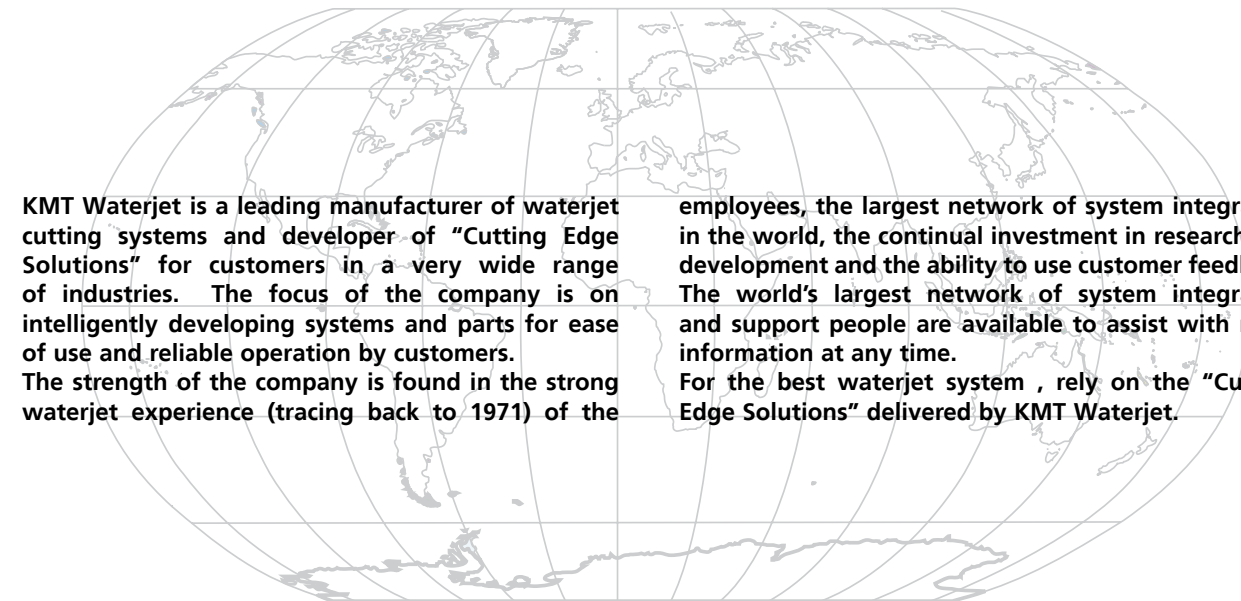
The Streamline™ SL-V 200R Plus pump has more standard features, including soft-start, proportional control, see-through doors.

*Best of all, these pumps are backed by the high level of customer support which KMT Waterjet customers have grown to expect.*

### Standard Service Commitment

KMT Waterjet is committed to helping customers successfully choose the best parts and components for their high pressure equipment specific applications. KMT Waterjet provides the highest level of training, service and support for all of the systems it makes, directly and in conjunction with the widest range of system integrators in the world. No other company has a larger support network.

Support and access to "Cutting Edge Solutions" is only a phone call away. Call toll free 24/7: 800-826-9274.



KMT Waterjet is a leading manufacturer of waterjet cutting systems and developer of "Cutting Edge Solutions" for customers in a very wide range of industries. The focus of the company is on intelligently developing systems and parts for ease of use and reliable operation by customers. The strength of the company is found in the strong waterjet experience (tracing back to 1971) of the

employees, the largest network of system integrators in the world, the continual investment in research and development and the ability to use customer feedback. The world's largest network of system integrators and support people are available to assist with more information at any time. For the best waterjet system, rely on the "Cutting Edge Solutions" delivered by KMT Waterjet.

Advancing Waterjet Technology  
Worldwide Sales and Support Network  
Making Waterjet Systems Easier to Use, with Greater Reliability  
ISO 9001:2000 Certification; CSA and CE Certified  
Trained, Certified Technicians  
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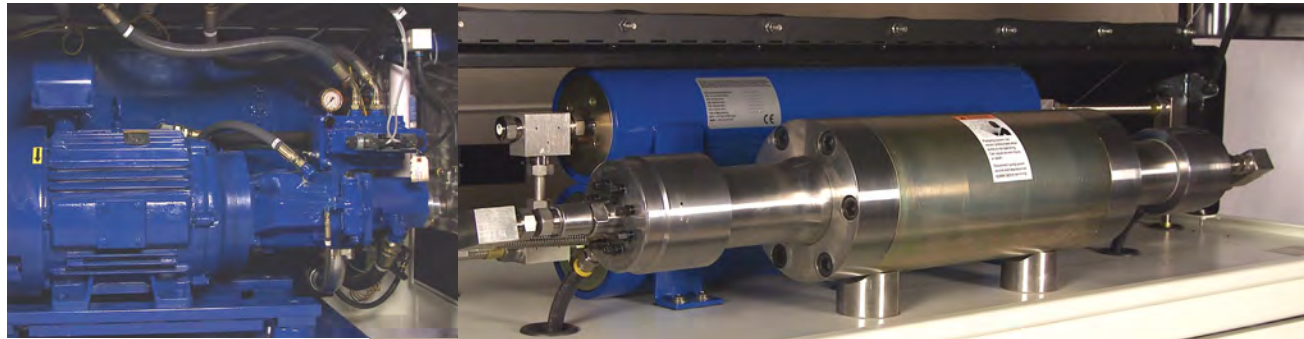


SLV-Graphics Rev-06/11



## STREAMLINE™ SL-V Plus Series 200 hp Pump





## Company Background

KMT Waterjet is a leading manufacturer of extreme-pressure waterjet systems. Having launched the waterjet industry in the early 1970's with the first sale of a waterjet machine for cutting cardboard, the company has advanced the design for waterjet equipment to the current advanced level - the Streamline™ SL-V - by using an approach with a high emphasis on ease-of-use and reliability.

To deliver on these objectives, strong attention was given to using the most advanced manufacturing processes for the best precision, a requirement for reliability under extreme pressures.

The design of the Streamline™ equipment has been so successful it is now used by more waterjet system builders than any other high pressure equipment.

## Streamline Reputation

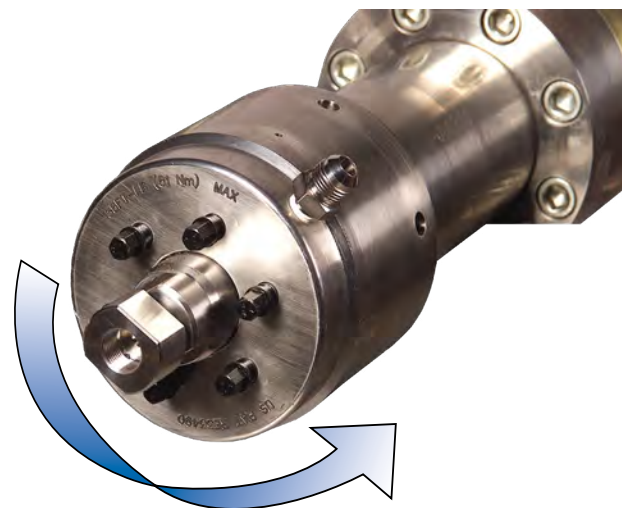
The line of Streamline™ pumps has been in the industry for over 30 years. The pumps have been progressively improving as technology for precision machining has improved. The latest version is the SL-V (SL-"five"). This version includes technology enabling pumps to deliver 60,000 pounds of pressure per square inch.

**Over time, the Streamline™ name has become known for:**

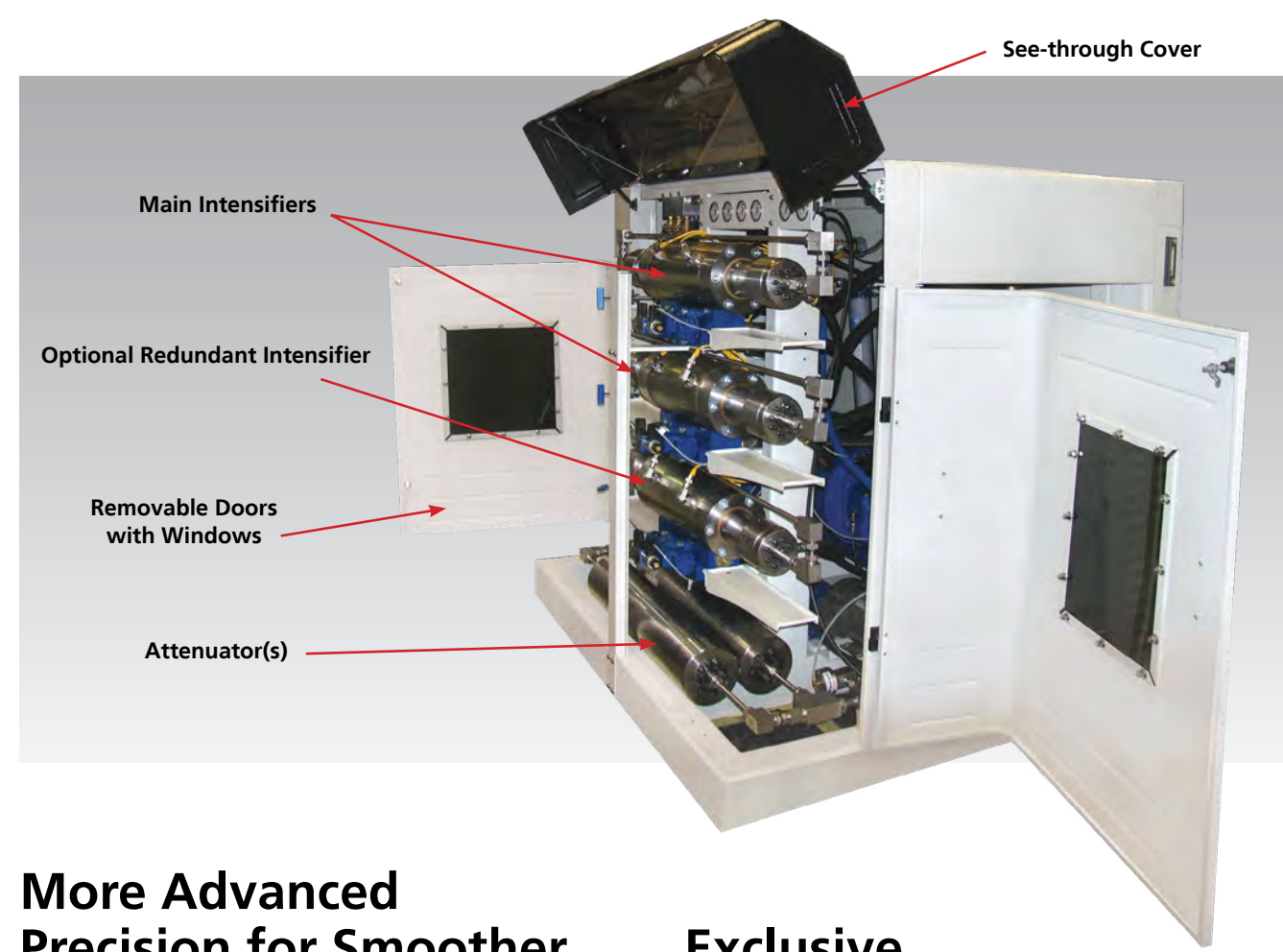
**Ease of Use** – Seal changes and maintenance could not be much easier or faster. With an intensifier that has cylinders which thread together, Streamline™ pumps can quickly be taken apart and reassembled for maintenance.

**Precision** – Precision machining allows for metal-to-metal seals, longer lasting and better performing components, and extended life for consumables at extreme pressures.

**Reliability** – Consistent performers, Streamline™ pumps are designed to keep up with the most demanding production schedules.



Access to seals on Streamline™ pumps is easy - simply rotate and unscrew the high pressure cylinder. Details are included in the free Maintenance Video.



## More Advanced Precision for Smoother, Reliable Operation

**Just Two Intensifiers for Full Power** – Each can use up to 100 hp to deliver 2 gallons per minute (gpm). Because the intensifiers are larger, they stroke slower, just 71 strokes a minute, for smoother performance and longer seal life. The pumps even sound smoother.

**Stacked Intensifiers** – Exclusive design has the intensifiers close to the front for easiest access.

**Doors Swing Open, Remove Easily**

**Big Attenuator Capacity** – 0.8 Gallons (with room for up to 1.5 gallons) provides better, more consistent pressure signal for smoother cuts or more consistent cleaning.

## Exclusive Standard Features

**Proportional Pressure Control** – A standard feature on the 200 hp pump enables fast, automatic pressure changes.

**Location of Intensifiers** – Upfront and easy to access. Maintenance people will appreciate the location and design at the first seal change!

**Reserve Mode** – Add an optional third intensifier as a back-up source of pressure. The third intensifier can be used when one (or two) of the others needs to be taken off-line for maintenance. Each intensifier can use up to 100 hp to deliver up to 2 gpm.

## Technical Specifications

System Information	SL-V 200 PLUS
Nominal Power Rate	200hp
Maximum Continuous Pressure	60,000psi (4,137 bar)
Max. High Pressure Water Output	4 gpm (14 LPM)
Maximum Single Orifice Diameter	0.028" / 0.71mm
Number of Language Options on Display <small>(English, Spanish, German, Italian, Swedish)</small>	5
Control Voltage & Power Supply	24 VDC
Max. Noise Level/Operator's Noise Level	85/84 db
Ambient Operating Temperature	40-100 F / 4-38 C
Length (inches)	91" / 231 cm
Width (inches)	67" / 170 cm
Height (inches)	70" / 178 cm
Weight (with oil)	9220 lbs / 4182 kg
<b>Cutting Water</b>	
Minimum Inlet Cutting Water Flow	16 gpm / 61 lpm
Minimum Inlet Cutting Water Pressure (psi)	35 psi / 2.5 bar
Plunger Diameter (inches)	1.125" / 28.6mm
Max. Nominal Strokes per Minute	71
Accumulator Volume +	0.8 Gallon / 3 Liters <small>(capacity for 1.6G / 6L)</small>
<b>Hydraulic System</b>	
Max. Hydraulic Pressure (at max water pressure)	2650psi (183 bar)
Hydraulic Reservoir Capacity	125 Gallons (473 Liters)
Hydraulic Pump Flow Rate at Max Output	2x46 gpm (174 lpm)
<b>Cooling System</b>	
Minimum Cooling Water Pressure	35 psi (2.5 bar)
<b>Options &amp; Other Features</b>	
Booster Pump (adjustable & protected)	standard
Energy Saving Soft Start	standard
Oil / Air-Cooler (Closed Loop Cooling System)	option
Redundant Topworks	option
Proportional Control	standard
Remote Online Diagnostics (via Modem)	option
EQUALIZER Multi-pump Balancing Kit	option

## Number of Cutting Heads Possible @ Maximum Pressure

Orifice Size	Inch	0.004	0.006	0.007	0.008	0.009	0.01	0.011	0.012	0.013	0.015	0.017	0.019	0.02	0.023	0.026
	mm	0.10	0.15	0.18	0.20	0.23	0.25	0.28	0.30	0.33	0.38	0.43	0.48	0.51	0.58	0.66
Pump Size	200hp	43	19	14	10	8	7	5	4	4	3	2	1	1	1	1

