

KMT Waterjet – Product Line System Components for Waterjet Cutting Machinery

Genuine KMT Products – A Guarantee for Your Progress

A waterjet cutting machine consists of many individual components, each of them required to deliver high performance and reliability and top operator and maintenance friendliness. Our engineers feel a strong commitment to these demands and feel excited to present our latest high tech range of products.



STREAMLINE™ SL-V – Ultra High Pressure Pump Series

The latest STREAMLINE™ SL-V generation provides cutting edge waterjet technology. Its PLUS versions allow the enduser to operate the cutting system at 4.136 bar / 60.000 psi, which helps increase the cutting speeds and output. The new HSEC topworks design is compact and Service friendly.



Available Versions:

- STREAMLINE™ SL-V 15S
- STREAMLINE™ SL-V 30S STD/PLUS
- STREAMLINE™ SL-V 50S STD/PLUS
- STREAMLINE™ SL-V 75S STD/PLUS
- STREAMLINE™ SL-V 100S STD/PLUS

AQUALINE I – Pure Water Cutting Head

The AQUALINE I pure water cutting head is a proven tool in the automotive industry and all heavy duty non-abrasive applications. This industry operates at maximum on/off cycle counts which consequently means that all wear parts must be very resistant and robust in order



to guarantee the quickest and most reliable performance. Depending on the individual application, the attached high pressure actuating valve can be either normally closed N/C or normally open N/O. Both sapphire and diamond orifices are used in the field.

AMS I – Abrasive Management System

The Abrasive Management System AMS I is a complete ready-to-go package for abrasive cutting applications. It enables our customers to operate reliably by constantly monitoring the availability of sufficient abrasive volume. This is especially important if the valuable material to be cut is brittle and breakable.



The complete system consists of the components listed below:

- ACTIVE AUTOLINE™ I Cutting Head Assy
- FEEDLINE III Abrasive Metering system
- ABRALINE III Bulk Transfer System



Genuine KMT Products – A Guarantee for Your Success

ACTIVE AUTOLINE™ I – Abrasive Cutting Head Assembly

The ACTIVE AUTOLINE™ I is a complete cutting head, which can easily upgrade any cutting system in the field. It enables the customer to benefit from the top level performance of the AUTOLINE™ I Abrasive Cutting Head. The complete assembly inclu-



des the HP nozzle valve, the solenoid control valve, the nozzle tube according to your required length, the abrasive hose as well as the AUTOLINE™ I cutting head with diamond orifice and focusing tube.

FEEDLINE III – Abrasive Metering System

The FEEDLINE III abrasive metering system is your perfect tool to control the sand flow rate released to the cutting head in a reliably and precise manner. It covers a range of 0 – 1.000 g/min, which can be adjusted linearly by simply turning a potentiometer, or by changing the value in the control software



of the machine's control system. This machine could be any 2-D cutting table, a multi-axis cutting system or a 3-D robotic unit. A sensor can be installed in the lower area of the tank in order to give a warning signal to the operator or to stop the cutting process if necessary.

ABRALINE III – Bulk Transfer System

The ABRALINE III bulk transfer system feeds the abrasive to the metering system of each cutting head. It also constantly monitors the availability of sand and provides the operator with warning signals and messages on a display in case the system runs out of abrasive. This helps the operator save material and



operating cost in particular while cutting breakable and brittle materials such as glass, natural stone etc.

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