

Next Generation of High Pressure Technology "PRO" Series for Waterjet Cutting

FASTER CUTTING

Our "PRO" series consists of waterjet cutting machines with pressures of up to **90,000 PSI** and all necessary components for such powerful processing - from the high-pressure pump to the nozzle aiming the waterjet onto the material to be cut. The maximum pressure of 90,000 PSI represents a nearly 50% increase of the pressure used by conventional equipment!

The advantages offered by this leap in technology are obvious:

- Higher cutting speeds
- Improved cutting quality
- Less abrasive consumption

To enable users to gain maximum benefit from this huge increase in the operating pressure, the KMT team carefully re-examined all components of the pressure line from the pump to the cutting head. This resulted in the development of the following new products:

- STREAMLINE™ PRO ultra high-pressure pump
- AUTOLINE™ PRO abrasive cutting head
- PSC PRO valves, pipes and fittings

Taking into account the increased exposure to high pressure, the new products were redesigned to ensure economical operation thanks to enhanced service life. The PRO series by KMT Waterjet thus offers you optimized high-pressure equipment meeting the highest requirements of reliability and cutting quality in heavy-duty continuous operation.

Maximum Flexibility for any Application

With the STREAMLINE™ PRO ultra high-pressure, KMT Waterjet has extended its product range with an additional top model. Whether you require high volumetric flow, extremely high pressure or simply a machine with reliable standard features – the STREAMLINE™ series by KMT Waterjet offers efficient waterjet cutting solutions for all applications.

STREAMLINE™ PRO Ultra High Pressure Pump

The latest generation of STREAMLINE™ PRO high-pressure pumps sets new standards in waterjet cutting technology. The innovative high-pressure pump has been specifically designed for abrasive waterjet cutting at operating pressures of up to 90,000 PSI.

Improved Productivity

The advantages of the higher operating pressure of 90,000 PSI are particularly relevant for productivity when cutting thick materials.

- Depending on the material and thickness, the cutting speed can be increased by up to 25%.

- The high operating pressure also helps improve the quality of the cutting edges. There is thus normally no need for reworking.
- Cutting with 6.200 bar also significantly reduces the consumption of abrasive.

Customer Oriented Design

When developing the PRO series, easy and quick maintenance was one of the key priorities of the team. The modular design of all components of the PRO range allows for the quick replacement of individual wear parts whenever the need arises. The machine design guarantees that each single part works properly to the very end of its service life.



Improved Production Safety

Smooth production runs without downtimes are particularly important for multiple shift operation. If servicing becomes necessary, the operator can now simply disconnect the respective intensifier and connect the second intensifier in the parallel circuit--this option guarantees safety for your production and service technicians.



High Pressure Components for the PRO!

AUTOLINE™ PRO Cutting Nozzle

The AUTOLINE™ PRO abrasive cutting nozzle is specially designed for maximum pressure and for waterjet cutting with 90,000 PSI. Outstanding features of the AUTOLINE™ PRO are automatic precision alignment, perfect repetition accuracy, high cutting speeds, longer service life and easy maintenance.



PSC PRO Parts

The PRO line of PSC (Precision System Components) includes all installation parts required to feed the high pressure from the pump to the connected cutting stations and are specifically designed to operate at the higher 90,000 PSI pressure. Using only PRO PSC parts will guarantee reliable and precise waterjet cutting at higher pressures.

