



PRESS INFORMATION

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KMT GmbH, Waterjet Systems is the leading worldwide supplier of Waterjet Cutting technology. The Waterjet Cutting Systems Division in Bad Nauheim is active and renowned in basically all industries and application areas of this innovative technology. Many years' experience and significant research work, as well as a innovative company structure are reflected in the high quality and reputation of brand names such as STREAMLINE™, ACTIVE AUTOLINE™, AQUALINE™, ABRALINE™ and FEEDLINE™ etc. The complete product range of high quality system components make KMT Waterjet Systems an ideal partner for everybody interested in cold cutting methods.

Abrasive cutting ACTIVE IDE™ II redesigned

Focus on an improved lifetime

The installation design of the diamond orifice has been remanufactured. The new construction is responsible for the improved alignment of the waterjet which increases the lifetime of the the replacement parts. The permanent waterjet improves the quality of the cutting edge, reduces roughness and avoids expensive waste of material.

Less components – less maintenance

As the cutting head contains a minimum number of individual components, it is particularly easy to handle while producing high-precision cuts. The key advantages of the ACTIVE IDE II™ are the exact targeted cutting jet, the pre-filter protecting the orifice and the advanced nozzle valve design. The unit is also virtually maintenance free. To achieve a perfect cutting jet, all you need to do is exchange the focussing tube.

User-friendly design

The diamond orifice and the mixing chamber are combined in a single nozzle body. Both professional users and workers who have only recently been introduced to abrasive cutting benefit from the simple design of the unit, as the focussing tube and the prefilter, which are the only wear parts, can be exchanged easily and quickly. Maintenance is thus limited to an absolute minimum.

Pre-filter protects the water nozzle

The developed pre-filter is installed between the HP line and the nozzle valve body in the adapter. This component reduces the mechanical impact on the water nozzle, as particles are removed from the cutting jet so that they do not cause abrasion to the nozzle. This significantly prolongs the service life of the nozzle and lowers the operating costs.

10 to 20 Times Greater Performance

The integrated diamond orifice far outperforms any sapphire orifice. The prolonged service life means longer uptime and thus more consistent and precise cutting performance. The innovative design is based on a single unit mixing chamber where water and abrasive are mixed in a most efficient and effective way, minimizing the jet stream width so that all impact energy is concentrated in the cutting tip of the jet. The result is a perfect and accurately positioned cut. Diamond orifices allow for the economical operation of the high-pressure pump, as the risk of orifice blow-out that in the past caused sudden pressure drops and pump overstroking is effectively eliminated.

The changeover from a pure water cutting head is fast and easy. Only the purewater nozzle tube is to be replaced by the IDE nozzle tube which fits into the nozzle valve.

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