

KMT Waterjet Cutting Nozzles

IDE® PRO DIAMOND 90,000psi NOZZLE

(IDE - Integrated Diamond Eductor)



DIAMOND MOUNTING DESIGN IMPROVES ALIGNMENT & CUTTING PERFORMANCE

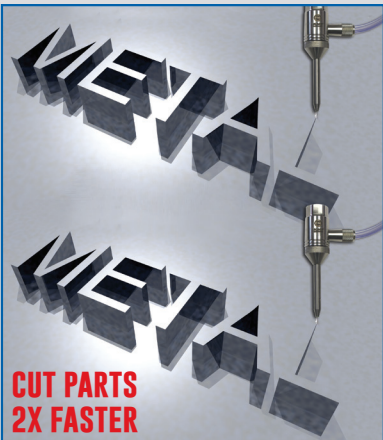
- Up to 50% more productivity-no maintenance down time
- From 10 to 20 times greater mean time between failure
- Superior edge quality

IDE® II 60,000psi/4.137bar
Pressure Available

**Industry Standard
60,000psi/50hp Pump &
Single Head Cutting**



**PRO-III 90,000psi/125hp Pump
& Dual IDE® PRO Head Cutting**



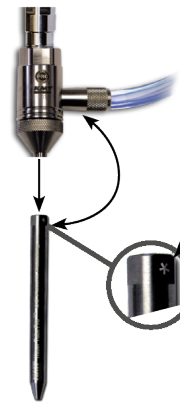
**CUT PARTS
2X FASTER**

NUMBER OF CUTTING HEADS	ORIFICE SIZE	@PSI
2	.011" (.279mm)	90,000 (Deadhead)

HyperTube™ PRO Focusing Tube

The superior design of the HyperTube™ PRO is engineered for longer, more uniform wear preventing "focusing tube blow-out". The HyperTube™ PRO includes an Indexing feature to insure uniform internal abrasive wear.

(HyperTube™ PRO Trademark US Patent Pending)



Indexing Feature:

Before using HyperTube® PRO, line up "star" marking on same face as the abrasive feed connection.

Rotate 90° clockwise on a regular, scheduled maintenance program 3X before replacing.

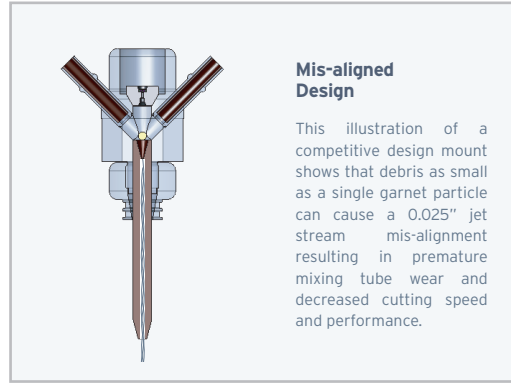
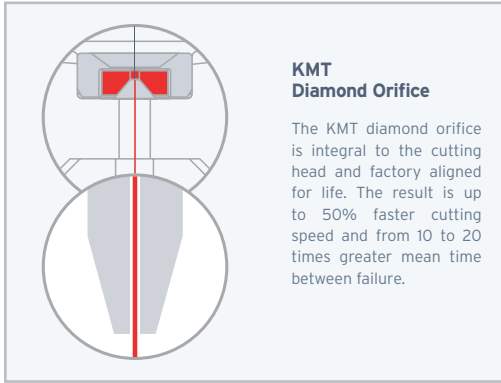


KMT Waterjet now offers a Cut Calculator APP that compares 90,000psi to 60,000psi cutting.

Increase Productivity @ 90,000psi!



MOUNT ALIGNMENT COMPARISON
KMT vs. COMPETITIVE BRANDS



The KMT 90,000 PSI/6,200 bar, Integral Diamond Eductor PRO, which has achieved successful cutting performance at 100,000 PSI, consistently demonstrates superior performance and reduced operating cost when compared to competitive brand abrasive cutting heads.

Reduced Operating Cost

The integral diamond orifice reduces operating costs with faster cutting, extended focusing tube life and dramatically reduced downtime. The KMT Integral Diamond Eductor has demonstrated 1000+ cutting hours in the field for many applications.

Faster Cutting Speed

Precise alignment of the diamond orifice with the mixing tube allows maximum power to be delivered to the cutting surface. This extends the focusing tube life and increases the cutting speed.

Dead-On Alignment

The diamond orifice is imbedded, thus integral to the mixing chamber. The jet stream is precisely directed through the focusing tube eliminating misalignment, over-torquing, and stack up errors.

Revolutionary Mixing Chamber Design

KMT has redefined the concept of the "mixing chamber" with our coalescing plenum. The advanced coalescing plenum provides a more effective and more efficient abrasive feed. The result is **no maintenance** on the cutting head, maximum cutting power and ultimate performance.

KMT ULTRA HIGH PRESSURE COMPONENTS

KMT supplies a full line of ultra high pressure pumps, components & parts.



STREAMLINE PRO® III 90,000psi/60hp & 125hp
World's Fastest Waterjet



KMT Waterjet Systems Inc.

The Right Pump Matters