

# KMT Waterjet Cutting Nozzles

## IDE<sup>®</sup> DIAMOND 60,000psi NOZZLE

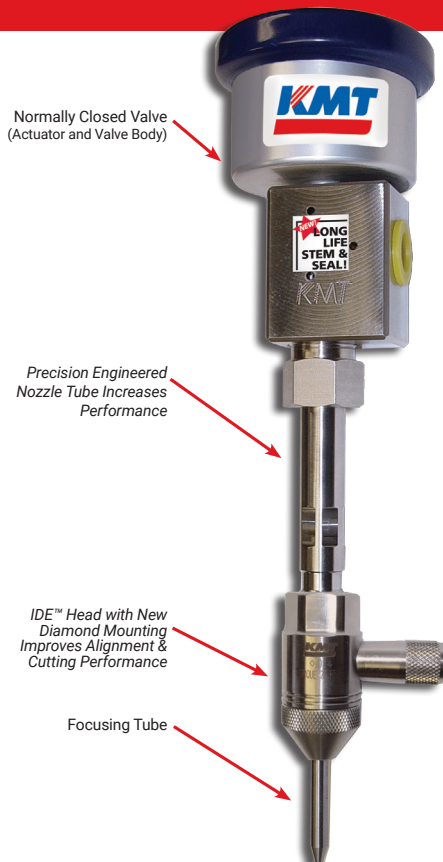
(IDE - Integrated Diamond Eductor)

### 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<sup>®</sup> PRO  
90,000psi/6.200bar  
Pressure Available

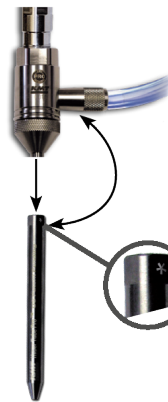


COMPLETE IDE<sup>®</sup> ASSEMBLY

#### HyperTube<sup>™</sup> PRO Focusing Tube

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

(HyperTube<sup>™</sup> PRO Trademark US Patent Pending)



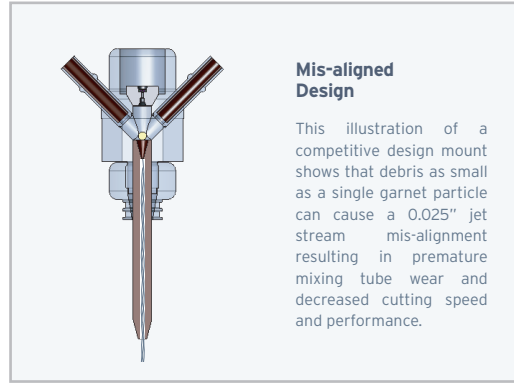
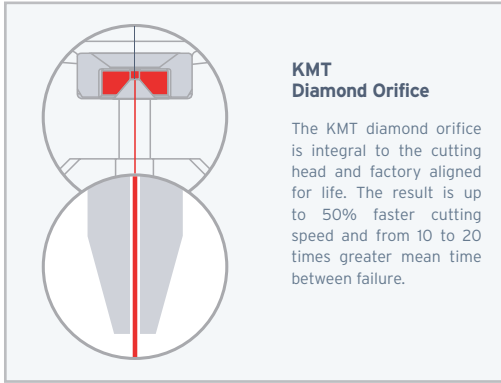
#### Indexing Feature:

Before using HyperTube<sup>®</sup> 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.

\*The KMT Integral Diamond Eductor consistently demonstrates superior performance and reduced operating cost when compared to competitive brand abrasive cutting heads.

**MOUNT ALIGNMENT COMPARISON**  
**KMT vs. COMPETITIVE BRANDS**



**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 HIGH PRESSURE PUMPS - THE WATERJET INDUSTRY'S BROADEST RANGE OF OPTIONS**



*The Right Pump Matters*