



## Abrasive Waterjet Cutting Head IDE™ II Assembly

### *Breakthrough Simplicity and Performance*



- *New Diamond Mounting Design Improves Alignment and Cutting Performance*
- *Newly Designed Nozzle Body Increases Performance*
- *Less Clamping Torque Required*
- *User Friendly Retro-fit for Current Users*



## FASTER, LONGER, BETTER



### Take Your Cutting Head to the Next Level

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

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

KMT's expertise in diamond orifice manufacturing brings you a superior cutting head that has revolutionized the industry.

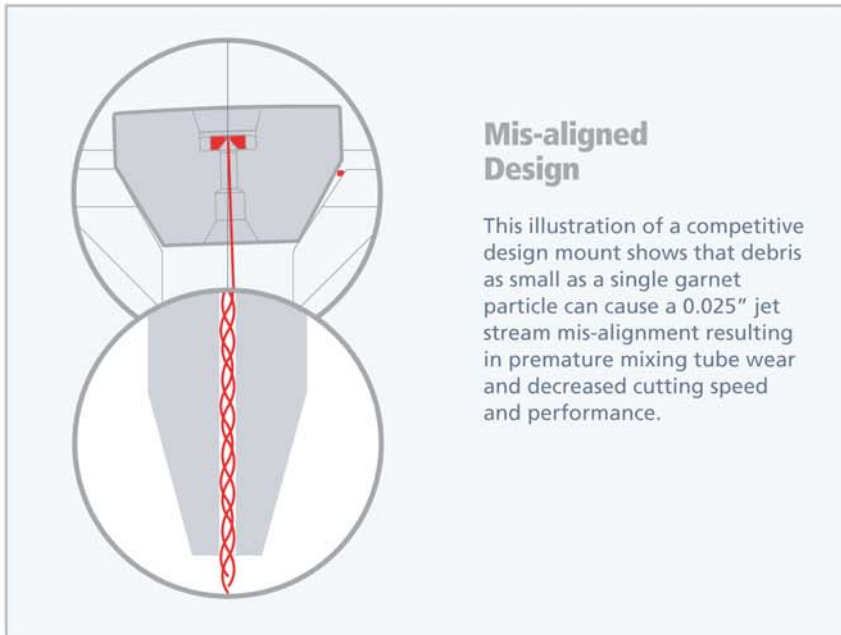
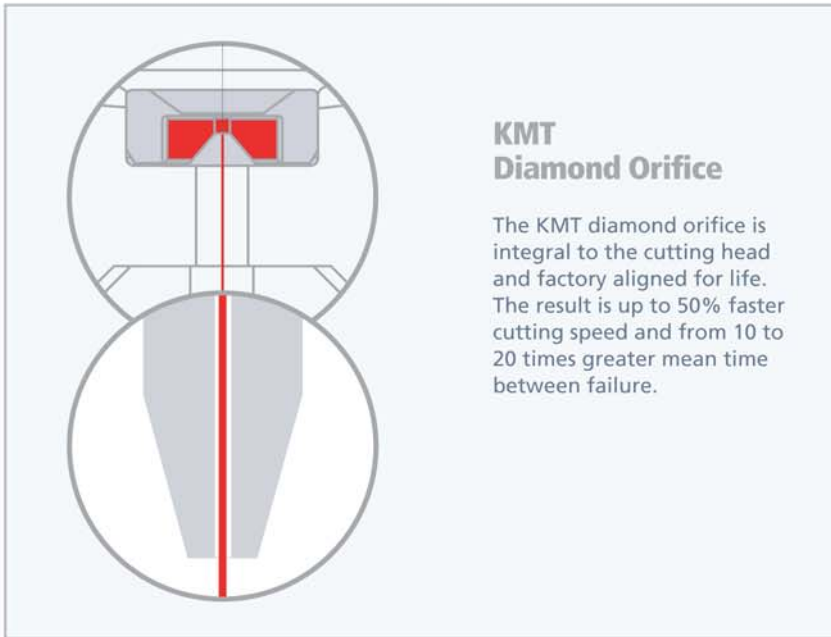


- **Dead-On Alignment**  
The diamond orifice is imbedded, thus integral to the mixing chamber. The jet stream is precisely directed through the focusing tube eliminating misalignment, over-torquing, and stack up errors.
- **Revolutionary Mixing Chamber Design**  
KMT has redefined the concept of the "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.
- **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. **KMT guarantees every Integral Diamond Eductor II for a minimum of \*500 hours.**  
*\*500 hours or 3 months from ship date & must be used with Short Stop Filter*
- **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 II has demonstrated 1000+ cutting hours in the field for many applications.



Faster, More Precise Cutting With A Longer Life


## FEATURES & SPECIFICATIONS





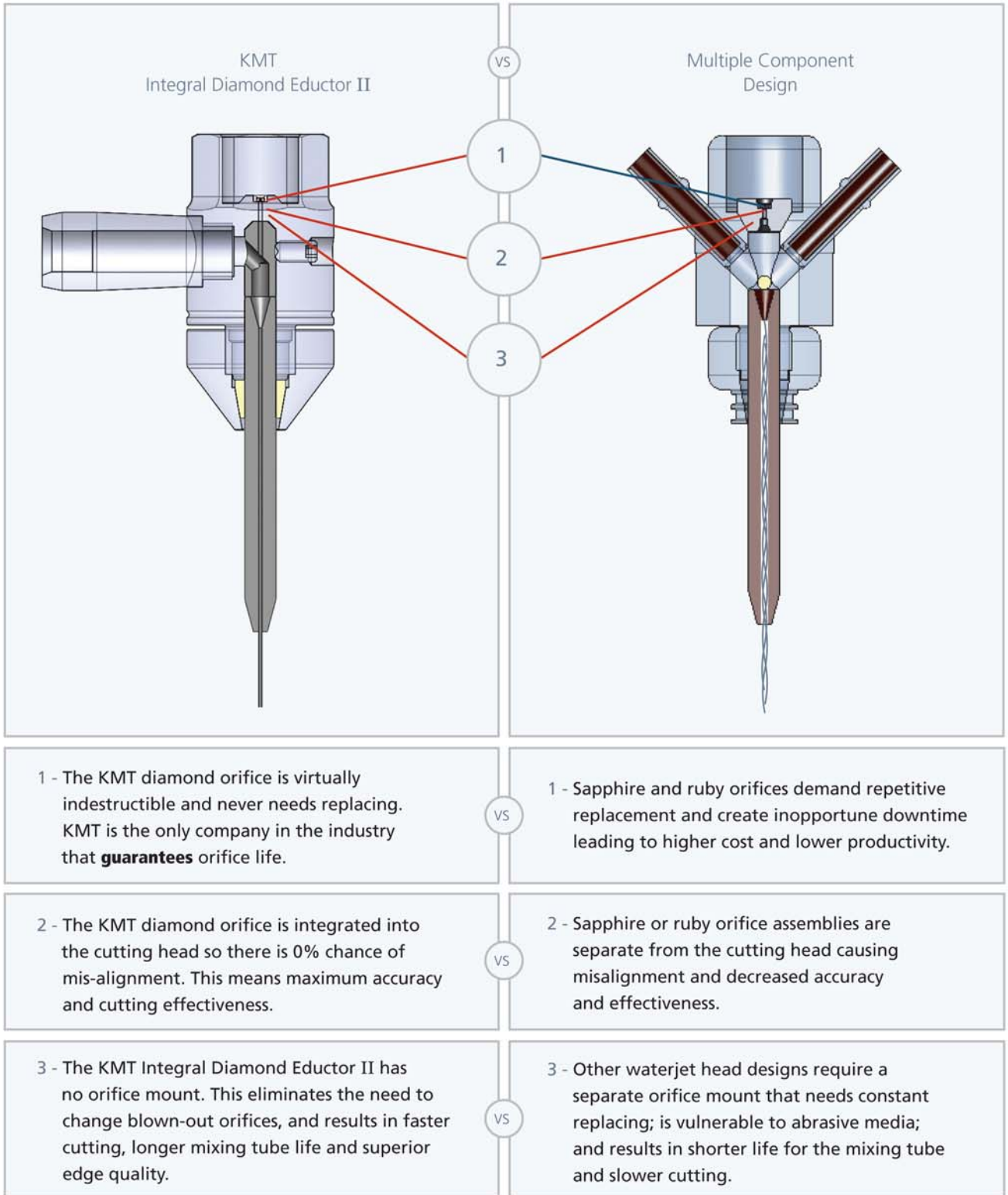
**ORDERING OPTIONS**

- **Complete Kit** - Includes everything needed to attach to the high pressure line.
- **Autoline™ to IDE™ II Conversion Kit** - Includes everything needed to install the IDE™ II in place of the Autoline™ head.
- **Cutting Head Replacement Kit** - The easiest kit to order once the conversion has been made; the kit includes everything needed for up to \*500 hours of operation. (\*500 hours or 4 months from ship date & must be used with Short Stop Filter)
- **IDE™ II Head With or Without Short Stop Filter**

Part Number	HP Water Inlet Tube	ShortStop Filter Assy.	Actuator & Valve Body	Nozzle Tube	IDE™ Size	Focusing Tubes		
						Len	ID	Qty
<b>Complete Kits (Everything needed after the HP Filter)</b>								
20454483	3/8"	Yes	Yes	6"	0.010"	3"	0.30"	1
20454486	3/8"	Yes	Yes	6"	0.011"	3"	0.30"	1
20454489	3/8"	Yes	Yes	6"	0.013"	3"	0.40"	1
20454492	3/8"	Yes	Yes	6"	0.014"	3"	0.43"	1
20455902	1/4"	Yes	Yes	6"	0.010"	3"	0.30"	1
20454498	1/4"	Yes	Yes	6"	0.011"	3"	0.30"	1
20454501	1/4"	Yes	Yes	6"	0.013"	3"	0.40"	1
20454504	1/4"	Yes	Yes	6"	0.014"	3"	0.43"	1
<b>Autoline™ to IDE™ II Conversion Kits</b>								
20454447	3/8"	Yes	-	6"	0.010"	3"	0.30"	1
20454450	3/8"	Yes	-	6"	0.011"	3"	0.30"	1
20454453	3/8"	Yes	-	6"	0.013"	3"	0.40"	1
20454456	3/8"	Yes	-	6"	0.014"	3"	0.43"	1
20454459	1/4"	Yes	-	6"	0.010"	3"	0.30"	1
20454462	1/4"	Yes	-	6"	0.011"	3"	0.30"	1
20454465	1/4"	Yes	-	6"	0.013"	3"	0.40"	1
20454468	1/4"	Yes	-	6"	0.014"	3"	0.43"	1
<b>IDE™ II Replacement Kit</b>								
20454471		Element Only	-	-	0.010"	3"	0.30"	7
20454474		Element Only	-	-	0.011"	3"	0.30"	7
20454477		Element Only	-	-	0.013"	3"	0.40"	7
20454480		Element Only	-	-	0.014"	3"	0.43"	7
<b>IDE™ II Performance Kit</b>								
20454336	-	Element Only	-	-	0.013"	4"	0.30"	15
<b>IDE™ II Head w/SS Filter (other sizes available on request)</b>								
20477950007	-	Element Only	-	-	0.007"	-	-	-
20477950010	-	Element Only	-	-	0.010"	-	-	-
20477950011	-	Element Only	-	-	0.011"	-	-	-
20477950013	-	Element Only	-	-	0.013"	-	-	-
20477950014	-	Element Only	-	-	0.014"	-	-	-
<b>IDE™ II Head Only (other sizes available on request)</b>								
20477959007	-	No	-	-	0.007"	-	-	-
20477959010	-	No	-	-	0.010"	-	-	-
20477959011	-	No	-	-	0.011"	-	-	-
20477959013	-	No	-	-	0.013"	-	-	-
20477959014	-	No	-	-	0.014"	-	-	-

KMT. *Creating Value Through Precision.*

## KMT vs. COMPETITIVE BRANDS

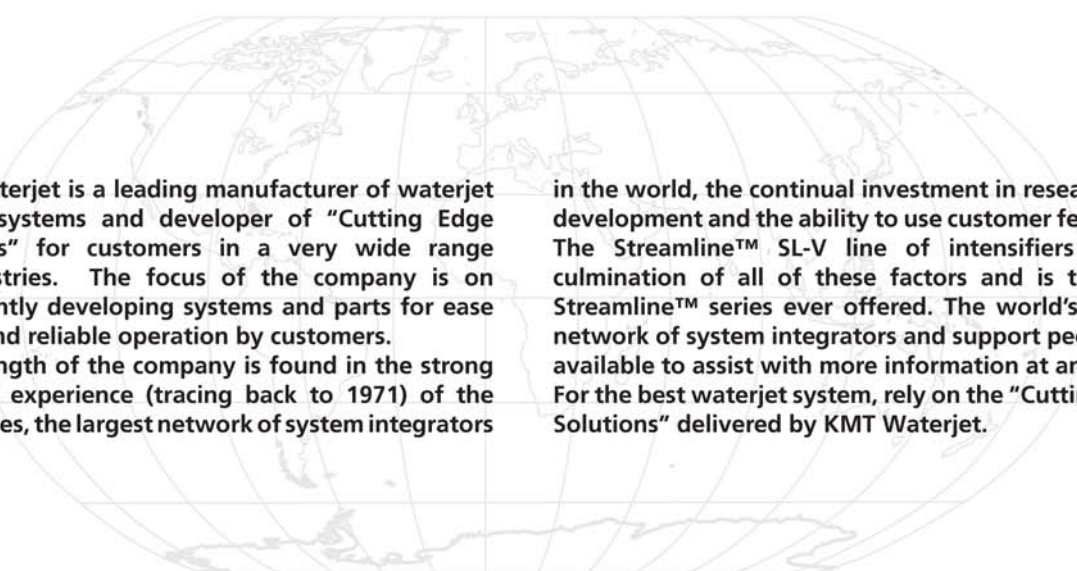


# KMT CUTTING EDGE SOLUTIONS

## The KMT Waterjet Family of Products

The IDE™ II (Integrated Diamond Eductor) Assembly is one of the newest additions to the line of industry-leading products available from KMT Waterjet. Other products include an abrasive feeder, precision abrasive meter, high pressure filters and line of very advanced, extreme pressure Streamline™ Pumps including the *new, faster cutting* 90,000 psi Streamline PRO.

Please call to discuss your applications or to receive more information on any high pressure component. KMT Waterjet has a network of trained and certified technicians available to provide Cutting Edge Solutions.



KMT Waterjet is a leading manufacturer of waterjet cutting systems and developer of "Cutting Edge Solutions" for customers in a very wide range of industries. The focus of the company is on intelligently developing systems and parts for ease of use and reliable operation by customers. The strength of the company is found in the strong waterjet experience (tracing back to 1971) of the employees, the largest network of system integrators

in the world, the continual investment in research and development and the ability to use customer feedback. The Streamline™ SL-V line of intensifiers is the culmination of all of these factors and is the best Streamline™ series ever offered. The world's largest network of system integrators and support people are available to assist with more information at any time. For the best waterjet system, rely on the "Cutting Edge Solutions" delivered by KMT Waterjet.



KMT Waterjet Systems Inc.

---

635 W. 12th Street • P.O. Box 231 • Baxter Springs, KS 66713  
Tel.: 1-620-856-2151 • Fax: 1-620-856-5050  
[www.kmtwaterjet.com](http://www.kmtwaterjet.com) • [sales@kmtwaterjet.com](mailto:sales@kmtwaterjet.com)

