



DIAMOND TECHNOLOGY INNOVATIONS PRESS RELEASE:

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## DTI Introduces First True Ultra-High Pressure Fan Jet

***fantomJET™ delivers supreme coverage, maximum life blasting performance***

**Olympia, WA** (October 24<sup>th</sup>, 2022) - Diamond Technology Innovations (dti™), a leading manufacturer of waterjet nozzles, cutting heads and related products, has announced the introduction of the first true, ultra-high pressure fan jet to enter the blasting and surface preparation markets.

[fantomJET™ nozzles](#) are equipped with a [tetraCORE™ Diamond](#) orifice, methodically shaped and processed to create the ultimate fan jet spray pattern and designed for compatibility with virtually all industry standard nozzle styles.

“Our customers wanted a fan jet that would hold up against their toughest jobs,” said Perry Hanchey, DTI President. “Our team at DTI listened and has dedicated the last several years to develop a superior high-pressure fan jet that is extremely versatile, durable, and can help users tackle a broad range of tasks.”

fantomJET spray pattern covers, on average, five times more surface area than a single jet while maintaining maximum impact force over the entire jet stream spread. Made of the hardest material on earth, the Diamond fantomJET performs with zero degradation of the fan jet inlet geometry over the product’s lifetime, which means no loss in system pressures during use and optimum water jetting performance.

“The fantomJET is an excellent alternative to current solutions, which are typically mechanical attachments made of metal or carbide delivering a maximum of 15,000 psi,” explained Hanchey. “As the only fan jet rated up to 60,000 psi, the fantomJET has 40 times the lifespan of current metal solutions. This means small and large jobs can be completed with less downtime and fewer interruptions for a lower cost.”

In addition, the fan jet enables the cleaning of softer material with less damage and improved product removal control. “While straight-line nozzles at high pressure tend to carve a line during blasting operations, the fan requires fewer passes, better overlap, and less etching in the material you’re cleaning or treating,” Hanchey said.

According to [FS Solutions](#), a DTI distributor, one of its customers was struggling to adequately clean paint grates for a leading aerospace and defense company. This company had tried

multiple tools and setups, which resulted in unsatisfactory results and put it in danger of losing this valuable customer. The organization agreed to beta test fantomJET, which helped its team successfully complete the task in half the time without changing the nozzles.

Other industry applications include:

- Concrete Demolition
- Paint Removal
- Rubber Removal
- Maritime Cleaning
- High Pressure Water Deburring
- Pipe Cleaning
- Anti-Skid Removal

The fantomJET offers endless possibilities for application optimization. Contact DTI to try fantomJET in your application today:

[info@dtiINSIDE.com](mailto:info@dtiINSIDE.com) | (360) 866-1337 | [www.dtiINSIDE.com](http://www.dtiINSIDE.com)

#### **ABOUT DTI**

Diamond Technology Innovations (dti™) is a leading manufacturer of premium [waterjet nozzles](#), [cutting heads](#) and related products. For more than 40 years, dti™ has claimed a worldwide reputation for a perfect marriage of technology, innovation, and service in the waterjetting industries. As a key supplier to major OEMs and distributors, dti™ adds unparalleled value as a strategic partner offering American-made quality, expert engineering, trusted reliability, and proven performance.