

# TRIDENT™-4 Revolutionary Cartridge Technology

## Integrated Diamond Cutting Head Designed for Flow Dynamic Waterjet and Dynamic XD Systems\*

Exclusively from BARTON, the TRIDENT-4 cutting head is an advanced, direct replacement for the Flow Paser 4\* cutting head. No adapter required.

The advanced cartridge technology creates absolute alignment between the diamond orifice and the nozzle.

- Superior Accuracy
- Extended Nozzle Life
- Lower Operating Costs
- Greater Productivity

**TRIDENT** 4

Made in the USA

# BARTON

# Revolutionary Cartridge Technology

## Factory-Aligned Cartridge

The TRIDENT-4 cutting head offers all the advantages of an integrated diamond design with the versatility of a replaceable orifice. A superior cutting head with revolutionary cartridge technology that ensures perfect orifice-to-nozzle alignment.

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### PRECISE CARTRIDGE DESIGN FOR SUPERIOR ACCURACY

- The precision-machined cartridge guarantees perfect alignment between the diamond orifice and the nozzle.
- A diamond orifice ensures stream quality remains optimized over the life of the cartridge.
- Features a ROCTEC 500 Mixing Chamber.

### EXTENDED ORIFICE AND NOZZLE LIFE

- Diamond wear resistance results in improved total system performance.
- Precision alignment of the orifice ensures that the water stream is perfectly aligned to the nozzle, thus extending nozzle life and reducing costs.

### LOWER OPERATING COSTS

- Utilizes an industry standard 0.281" x 4" non-ringed nozzle.
- The replaceable Diamond Orifice Cartridge can be swapped out for jobs requiring a different orifice size, expanding the versatility of the cutting head.
- Diamond Orifice Cartridge is warranted for 500 hours when used with a Short Stop Filter assembly.

### SHORT STOP FILTER

The Short Stop Filter effectively prevents in-line contaminants from damaging orifice assemblies by blocking debris from the most common sources within any high-pressure waterjet system.

Use of the Short Stop Filter is a requirement of the TRIDENT-4 warranty.

- Easily retrofitted.
- Robust construction with a stainless steel mesh screen filter.

# TRIDENT<sup>4</sup>



**TRIDENT-4 CUTTING HEAD**



**DIAMOND ORIFICE CARTRIDGE**



**SHORT STOP FILTER**

[STORE.BARTON.COM](http://STORE.BARTON.COM)

# BARTON

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