



APPROVED DISTRIBUTOR



# tetraCORE™ Orifices & dti™ Diamond Guard Filters

MANUFACTURED WITH



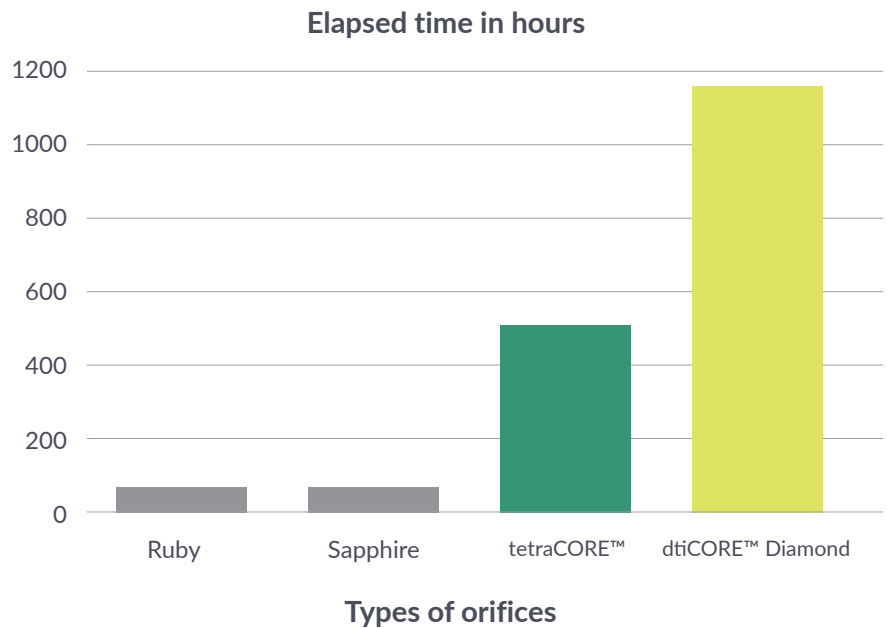
## More Cutting, Less Downtime

tetraCORE™ orifices are the most cost-effective waterjet orifice available. Extensive durability tests have shown that tetraCORE™ orifices last 10 to 15 times longer than ruby or sapphire orifices while delivering up to 400 times the cutting speeds.

tetraCORE™ orifices are manufactured under tightly controlled conditions and engineered to offer predictable performance for almost any waterjet cutting application. Machines fitted with a tetraCORE™ orifice provide the operator longer cutting hours, minimize material waste and increase investment return from the equipment.

## Waterjet Orifice Performance

WHAT DOES YOUR DOWNTIME REALLY COST?



## Customize Your Order

GMA provides you the flexibility to mix and match various tetraCORE™ orifice styles and sizes to meet your waterjet needs. You can purchase tetraCORE™ individually or in packs of five or ten.

## Performance Advantages

- Lasts up to 15 times longer than ruby or sapphire orifices
- Increases mixing tube life by up to 30%
- Superior jet stream consistency
- Fewer scrapped parts
- Excellent reliability and efficiency
- Reduces overall operating costs.



# dti™ Diamond Guard Filter & Filter Body



## Risk of Downtime

It is possible for the water stream entering the orifice to contain plastic or metal particles from the pump and high-pressure tubing. To prevent these particles from damaging or blocking the tetraCORE™ orifice, we recommend installing a dti™ Diamond Guard Filter.

## The Solution

dti™ Diamond Guard Filter is designed to effectively capture any particle larger than .0055" (0.14mm) preventing any blockage of the orifice. Diamond Guard Filters and Adapters can be easily installed into any waterjet system with 6.35mm (1/4") or 9.53mm (3/8") high pressure lines.

Diamond Guard Filters and Adapters, along with the tetraCORE™ orifice, can:

- capture oversized particles
- maintain jet stream coherency
- ensure precise, consistent and smooth cutting performance.



### TA-05

Similar to:

STANDARD  
TYPE 18



### TA-06

Similar to:

PERM II  
TYPE 30



### TA-14

Similar to:

P-ECL  
TYPE 26



### TA-16

Similar to:

P-III  
TYPE 23



### TA-28

Similar to:

A-LINE  
TYPE 27

# dti™ Diamond Guard Filter & Filter Body



## For 9.53mm (3/8" to 1/4") HP Connection

### MA-FIL-03

9.53mm (3/8") Diamond Guard Filter  
and Insert Combo

### M-FIL-03

9.53mm (3/8") Diamond Guard Filter

### M-ADP-06

9.53mm (3/8") Diamond Guard Insert

### G-A-0792-1

Filter Body for 9.53mm (3/8") Diamond  
Guard Filter

## For 6.35mm (1/4" to 1/4") HP Connection

### MA-FIL-06NB

6.35mm (1/4") Diamond Guard Filter  
and Insert Combo

### M-FIL-01

6.35mm (1/4") Diamond Guard Filter

### M-INS-22

6.35mm (1/4") Diamond Guard Insert

### MA-FIL-06NF

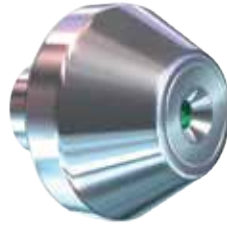
Filter Body 6.35mm (1/4")

### M-COL-10

Collar 6.35mm (1/4")

### M-NUT-29

Gland 6.35mm (1/4")



### TA-30

Similar to:

BYSTRONIC  
TYPE 25



### TA-58

Similar to:

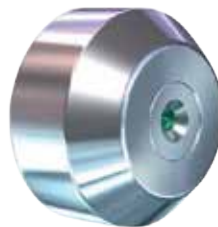
LONG STEM  
TYPE 10



### TA-62

Similar to:

P-II STEP  
TYPE 14



### TA-20

Similar to:

P-IV



### TA-57

Similar to:

LOW MASS

GMA is an approved distributor of the products identified in this brochure.  
Manufacturers' names and descriptions are for identification purposes only.  
GMA is not affiliated with the manufacturers mentioned in this brochure.

# Worldwide Distribution

Offices



- GMA Offices
- Distributors and Warehouses

## Worldwide Distribution

For over 35 years, GMA Garnet Group (GMA) has been providing the highest quality garnet to the waterjet cutting industry. We offer secure garnet supply, expert advice and a complete range of premium abrasive products for fast and effective results.

Headquartered in Perth, Australia, GMA offices are established throughout Asia Pacific, Europe, the Middle East and the Americas. Our products are distributed to more than 80 countries worldwide directly from our offices, through more than 100 distributor outlets.

### GMA ASIC PACIFIC

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### UNITED KINGDOM

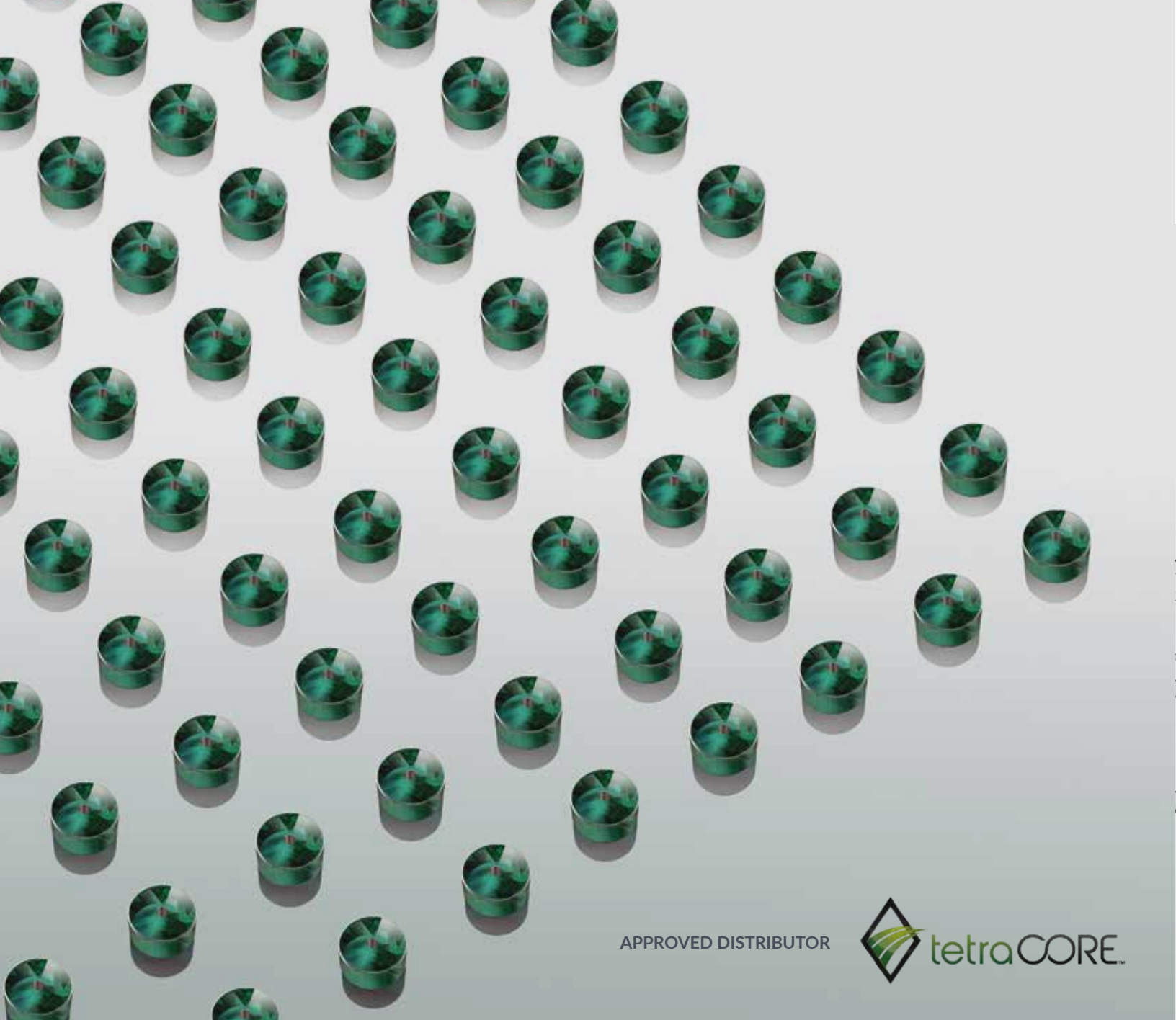
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Waterjet Cutting



Recycling



more than just garnet

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