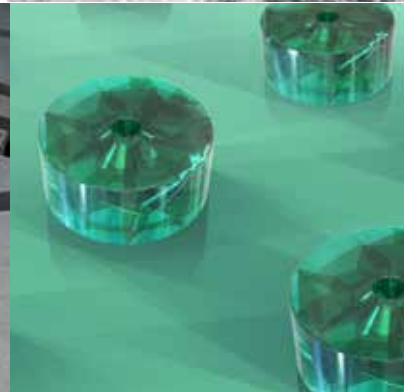




GMA Garnet™

Waterjet Parts



Waterjet Parts

Kennametal ROCTEC 100 Nozzles



ROCTEC NOZZLES

Part no.	Description	Compatible Cutting Heads
B1555405	Roctec 100 6.35 x 0.76 x 76.2 mm	Jet Edge Yongda Dardi
B1555419	Roctec 100 6.35 x 0.81 x 74.9 mm flat end	
2006592	Roctec 100 6.35 x 0.91 x 76.2 mm	
B1555404	Roctec 100 6.35 x 1.02 x 76.2 mm	
B1555423	Roctec 100 7.14 x 0.76 x 76.2 mm	WSI Flow
B1555412	Roctec 100 7.14 x 0.91 x 76.2 mm	
B1555422	Roctec 100 7.14 x 1.02 x 76.2 mm	
B1555461	Roctec 100 7.14 x 0.76 x 101.6 mm	Flow
B1555204	Roctec 100 7.14 x 0.91 x 101.6 mm	
B1555407	Roctec 100 7.14 x 1.02 x 101.6 mm	
B1555443	Roctec 100 7.14 x 1.52 x 101.6 mm	
B1555121	Roctec 100 7.62 x 0.76 x 76.2 mm	Hypertherm CMS
B1555122	Roctec 100 7.62 x 1.02 x 76.2 mm	
B1555410	Roctec 100 8.00 x 0.76 x 101.6 mm	OMAX
B1555429	Roctec 100 8.00 x 1.02 x 101.6 mm	
B1555425	Roctec 100 9.45 x 0.76 x 76.2 mm	KMT
B1555454	Roctec 100 9.45 x 0.91 x 76.2 mm	
B1555426	Roctec 100 9.45 x 1.02 x 76.2 mm	
B1555261	Roctec 100 6.0 x 0.80 x 70 mm	BHDT
B1555262	Roctec 100 6.0 x 1.02 x 70 mm	
B1555284	Roctec 100 9.47 x 0.76 x 101.6 mm	KMT
B1555620	Roctec 100 9.45 x 1.02 x 101.6 mm	

*Special sizes available upon request.



**AUTHORIZED
DISTRIBUTOR**

Waterjet Parts

Kennametal ROCTEC 500 Nozzles



ROCTEC NOZZLES		
Part no.	Description	Compatible Cutting Heads
B1888405	Roctec 500 6.35 x 0.76 x 76.2 mm	Jet Edge Yongda Dardi
B1888427	Roctec 500 6.35 x 0.91 x 76.2 mm	
B1888404	Roctec 500 6.35 x 1.02 x 76.2 mm	
B1888401	Roctec 500 7.14 x 0.76 x 76.2 mm	WSI Flow
B1888412	Roctec 500 7.14 x 0.91 x 76.2 mm	
B1888400	Roctec 500 7.14 x 1.02 x 76.2 mm	
B1888442	Roctec 500 7.14 x 0.76 x 101.6 mm	Flow
B1888398	Roctec 500 7.14 x 0.91 x 101.6 mm	
B1888407	Roctec 500 7.14 x 1.02 x 101.6 mm	
B1888121	Roctec 500 7.62 x 0.76 x 76.2 mm	Hypertherm CMS
B1888122	Roctec 500 7.62 x 1.02 x 76.2 mm	
B1888410	Roctec 500 8.00 x 0.76 101.6 mm	OMAX
B1888662	Roctec 500 8.00 x 1.02 x 101.6 mm	
10006823	Roctec 500 8.00 x 1.02 x 101.6 mm rated breakpoint	
B1888425	Roctec 500 9.45 x 0.76 x 76.2 mm	KMT
B1888631	Roctec 500 9.45 x 0.91 x 76.2 mm	
B1888426	Roctec 500 9.45 x 1.02 x 76.2 mm	
B1888467	Roctec 500 9.45 x 1.09 x 76.2 mm	
B1888350	Roctec 500 9.45 x 1.10 x 79.4 mm	
2745981	Roctec 500 9.45 x 0.76 x 101.6 mm	
B2745981R	Roctec 500 9.45 x 0.76 x 101.6 mm square entrance	KMT

*Special sizes available upon request.

Waterjet Parts

Kennametal ROCTEC APX® Nozzles



ROCTEC® APX NOZZLES

GMAE Part no.	Description	Compatible Cutting Heads
10009622	Roctec APX 7.14 x 1.02 x 76.2 mm	WSI, Flow
10009634	Roctec APX 7.14 x 0.76 x 101.6 mm	Flow
10009623	Roctec APX 7.14 x 0.76 x 101.6 mm incl. Ring and Washer	Flow
10009635	Roctec APX 7.14 x 0.91 x 101.6 mm	Flow
10009633	Roctec APX 7.14 x 0.91 x 101.6 mm incl. Ring and Washer	Flow
10009632	Roctec APX 7.14 x 1.02 x 101.6 mm	Flow
10009631	Roctec APX 7.14 x 1.02 x 101.6 mm incl. Ring and Washer	Flow
10009691	Roctec APX 9.47 x 0.76 x 101.6 mm	KMT
10009692	Roctec APX 9.47 x 0.76 x 101.6 mm square entrance	AVAILABLE FROM OCT 2019 KMT

*Special sizes available upon request.

ROCTEC NOZZLES

Roctec 100 in length 76.2 mm	From 20 pcs. on From 50 pcs. on
Roctec 100 in length 101.6 mm	From 20 pcs. on From 50 pcs. on
Roctec 500 in length 76.2 mm	From 20 pcs. on From 50 pcs. on
Roctec 500 in length 101.6 mm	From 20 pcs. on From 50 pcs. on
Roctec APX in length 76.2 mm	From 1 - 19 pcs. From 20 pcs. on From 50 pcs. on
Roctec APX in length 101.6 mm	From 1 - 19 pcs. From 20 pcs. on From 50 pcs. on



KENNAMETAL®
AUTHORIZED
DISTRIBUTOR

Waterjet Parts

Diamond Orifices

Strongest, Hardest Waterjet Orifice

The diamond orifice range is the hardest, strongest orifice available in the industry. It has the longest lifespan of a minimum of 500 cut hours from waterjet use.

It enables water pressures up to 90,000 psi without signs of erosion or wear on the jewel. It is reliable and provides the cleanest, most precise cut when used with a Diamond Guard Filter on waterjet machines.

Size: 0.004"/0.10 mm - 0.018"/0.45 mm

Performance Advantages

- Lifespan of around 1,000 cut hours
- Hardest, most robust orifice
- Maximum cutting precision and edge quality on applications
- Superior cutting performance
- Optimise jet stream length
- Reduces overall operating costs.

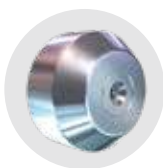


ORIFICES & GUARD FILTER

Product	Description	Compatible Cutting Heads
Orifice Diamond suitable for Paser III	0.004" / 0.10 mm - 0.018" / 0.45 mm	WSI/Flow
Orifice Diamond suitable for Paser IV	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow
Orifice Diamond suitable for Paser ECL	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow
Orifice Diamond Type 10	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow/Bystronic
Orifice Diamond Type 18	0.004" / 0.10 mm - 0.018" / 0.45 mm	BHDT/CMS
Orifice Diamond Type 25	0.004" / 0.10 mm - 0.018" / 0.45 mm	Bystronic
Orifice Diamond Type 27	0.004" / 0.10 mm - 0.018" / 0.45 mm	KMT
Diamond Guard Filter	1/4" or 3/8"	ALL



Paser III



Paser IV



Paser ECL



Type 10



Type 18



Type 25



Type 27



Filter

Waterjet Parts

Ruby Orifices

Most Common, Industry Standard Orifice

Rubies and sapphire orifices are basic consumable parts for waterjet cutting. Sapphire orifices deliver long, coherent jet streams, whereas ruby orifices are slightly more robust and deliver a shorter, more turbulent jet stream.

Size: 0.004"/0.10 mm - 0.018"/0.45 mm

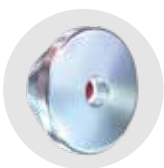
Performance Advantages

- Commonly used for non-critical applications
- Average cutting speed, edge cut quality and durability.



ORIFICES & GUARD FILTER

Product	Description	Compatible Cutting Heads
Orifice Ruby suitable for Paser III	0.004" / 0.10 mm - 0.018" / 0.45 mm	WSI/Flow
Orifice Ruby suitable for Paser IV	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow
Orifice Ruby suitable for Paser ECL	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow
Orifice Ruby Type 10	0.004" / 0.10 mm - 0.018" / 0.45 mm	KMT
Orifice Ruby Type 18	0.004" / 0.10 mm - 0.018" / 0.45 mm	BHDT/CMS
Orifice Ruby Type 25	0.004" / 0.10 mm - 0.018" / 0.45 mm	Bystonic
Orifice Ruby Type 27	0.004" / 0.10 mm - 0.018" / 0.45 mm	KMT
Diamond Guard Filter	1/4" or 3/8"	ALL



Paser III



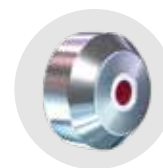
Paser IV



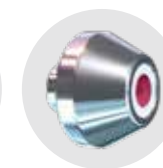
Paser ECL



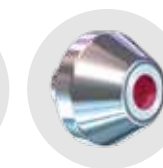
Type 10



Type 18



Type 25



Type 27



Filter

Waterjet Parts

tetraCORE Orifices

More Cutting, Less Downtime

tetraCORE™ orifices are the most cost effective orifice available. tetraCORE™ orifices are manufactured under tightly controlled conditions and engineered to offer superior cutting performance for almost any waterjet cutting application.

Size: 0.004"/0.10 mm - 0.018"/0.45 mm

Performance Advantages

- Lasts up to 15 times longer than ruby or sapphire orifices - Approximately 400 or more cut hours
- Increases mixing tube life by up to 30%
- Superior jet stream consistency
- Fewer scrapped parts
- Excelling reliability and efficiency
- Reduces overall operating costs.

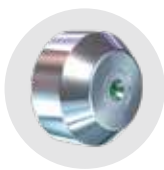


ORIFICES & GUARD FILTER

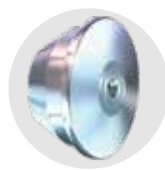
Product	Description	Compatible Cutting Heads
Orifice tetraCORE suitable for Paser III	0.004" / 0.10 mm - 0.018" / 0.45 mm	WSI/Flow
Orifice tetraCORE suitable for Paser IV	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow
Orifice tetraCORE suitable for Paser ECL	0.004" / 0.10 mm - 0.018" / 0.45 mm	Flow
Orifice tetraCORE Type 10	0.004" / 0.10 mm - 0.018" / 0.45 mm	KMT
Orifice tetraCORE Type 18	0.004" / 0.10 mm - 0.018" / 0.45 mm	BHDT/CMS
Orifice tetraCORE Type 25	0.004" / 0.10 mm - 0.018" / 0.45 mm	Bystronic
Orifice tetraCORE Type 27	0.004" / 0.10 mm - 0.018" / 0.45 mm	KMT
Diamond guard filter	1/4" or 3/8"	ALL



Paser III



Paser IV



Paser ECL



Type 10



Type 18



Type 25



Type 27



Filter



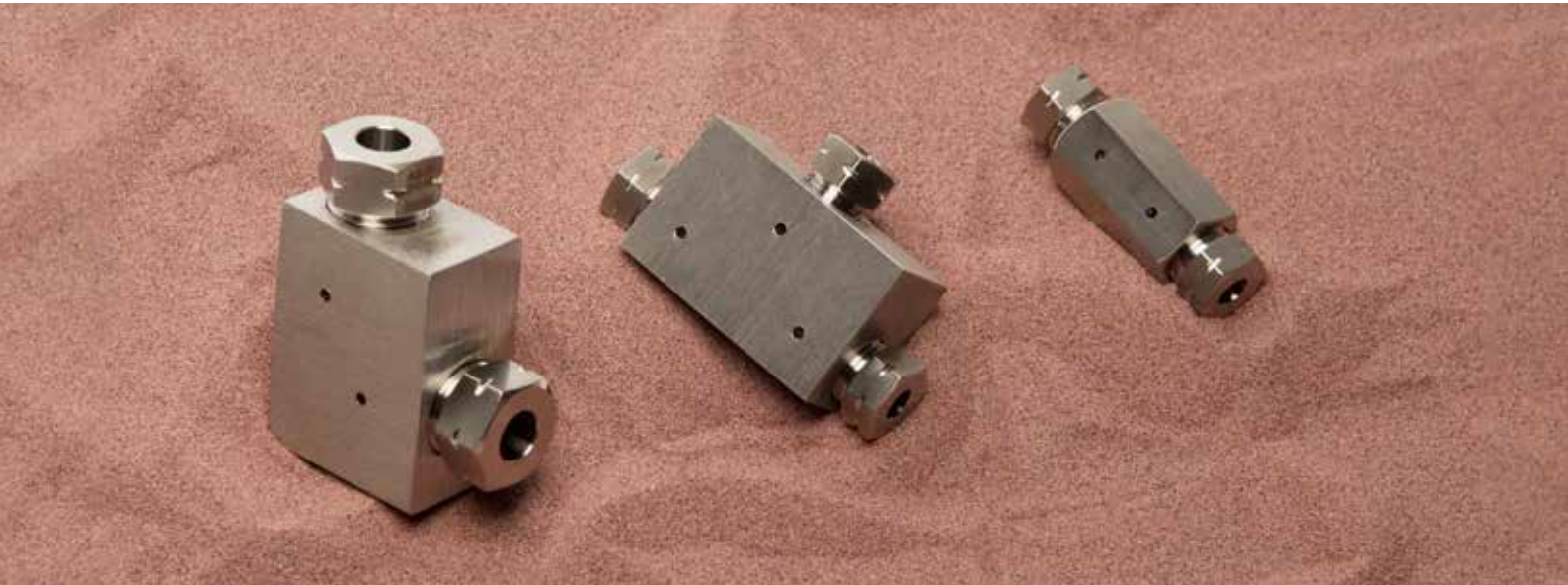
Waterjet Parts

Connecting Parts





GMA Middle East holds a complete range of waterjet connecting parts such as high pressure tubes, elbow, guard filter, etc. to ensure a reliable abrasive flow for your waterjet machines. With GMA Garnet™ abrasive paired with the right orifice and waterjet parts, you can be confident to maximise your waterjet machine performance and safeguard your equipment for an efficient, cost effective, superior cutting speed.

Waterjet Parts

Connecting Parts



CONNECTING PARTS

Part no.	Description	
G-A-0788-1	Way Valve 1/4"	
G-A-0788-3	2 Way Valve 3/8"	
G-A-0788-5	2 Way Valve 9/16"	
G-A-0775-1	Elbow 90°, 1/4"	
G-A-0775-2	Elbow 90°, 3/8"	
G-A-0775-3	Elbow 90°, 9/16"	
G-A-0776-1	Tee 1/4"	
G-A-0776-2	Tee 3/8"	
G-A-0776-3	Tee 9/16"	
G-A-0777-1	Cross 1/4" (4 vie)	
G-A-0777-2	Cross 3/8" (4 vie)	
G-A-0777-3	Cross 9/16" (4 vie)	
G-A-2866	Gland 1/4"	
G-A-2838	Gland 3/8"	
G-A-3950	Gland 9/16"	








Waterjet Parts

Connecting Parts

CONNECTING PARTS		
Part no.	Description	
G-A-0784-1	Plug 1/4"	
G-A-0784-2	Plug 3/8"	
G-A-0784-3	Plug 9/16"	
G-A-2867	Collar 1/4"	
G-A-2839	Collar 3/8"	
G-A-0780-1	Coupling - Straight 1/4"	
G-A-0780-2	Coupling -Straight 3/8"	
G-A-0780-3	Coupling - Straight 9/16"	
G-A-1460	Coupling - Reducing 1/4" - 9/16"	
G-A-1461	Coupling - Reducing 1/4"- 3/8"	
G-A-2437	Coupling - Reducing 3/8" - 9/16"	
G-B-5764-1	Insert Cone 1/4"	
G-A-5713	Insert Cone 3/8"	
G-A-9425	Insert Cone 9/16	
G-A-0781-2	Nipple (m-m) - 70 mm	
G-A-0782-3	Nipple (m-m) - 76 mm	
G-A-0783-4	Nipple (m-m) - 102 mm	
G-A-1267	Adaptor 1/4" - 3/8"	
G-A-1268	Adaptor 1/4" - 9/16"	
G-A-0792-1	Adaptor 3/8" - 1/4"	
G-A-0792-3	Adaptor 3/8" - 9/16"	
G-A-4691	Adaptor 9/16" - 3/8"	
G-A-4692	Adaptor 9/16" - 1/4"	
14536-60-4	Coning Kit - 1/4"	
14536-60-6	Coning Kit - 3/8"	
14536-60-9	Coning Kit - 9/16"	

Waterjet Parts

Connecting Parts

CONNECTING PARTS		
Part no.	Description	
13156-60-4	Cutter - 1/4"	
13156-60-6	Cutter - 3/8"	
13156-60-9	Cutter - 9/16"	
13155-60-4	Support - 1/4"	
13155-60-6	Support - 3/8"	
13155-60-9	Support - 9/16"	
10000569	Threading kit - 1/4"	
10000571	Threading kit - 3/8"	
10000573	Threading kit - 9/16"	
1-4-28LH	Die - 1/4"	
3-8-24LH	Die - 3/8"	
9-16-18LH	Die - 9/16"	
10000570	Guide - 1/4"	
10000572	Guide - 3/8"	
10000574	Guide - 9/16"	
G1810-1	Full Kit Coning and Threading 1/4" and 3/8"	
G1810	For Kit Coning and Threading 1/4", 3/8" and 9/16"	
A4689	Grease Food - 6g	
A2185	Blue Goop - 56g	
10084440	Pure Goop (Green) - 29g	

Waterjet Parts

Connecting Parts

HIGH PRESSURE TUBES

GMAE part no.	Description
M515-081	HP Tubing 1/4" - 6m
M515-087	HP Tubing 3/8" - 6m
M515-083	HP Tubing 9/16" - 6m



Diamond Guard Filter

Diamond Guard Filter is just a tiny component of a huge waterjet machine. Its function is of significance and deemed as the orifice life saver as it prevents foreign particles and contaminants in the high pressure line from clogging and damaging the orifice.

The foreign particles & contaminants in the high pressure line comprised of:

- Scaling formed inside the high pressure line over time
- Stainless steel debris of HP fittings or plastic particles from changing seals, gaskets and high pressure tubes or fittings during machine maintenance.

It is recommended to install Diamond Guard Filter before the orifice to ensure optimum life of the orifice.



TERMS AND CONDITIONS

This exclusion of liability is to be considered as part of the documentation of GMA Middle East. Should parts or individual wording of this text not correspond, no longer correspond or not correspond to the applicable legal position in full, the remaining parts of the document shall remain unaffected thereby in terms of content and validity.

Waterjet Parts

Connecting Parts



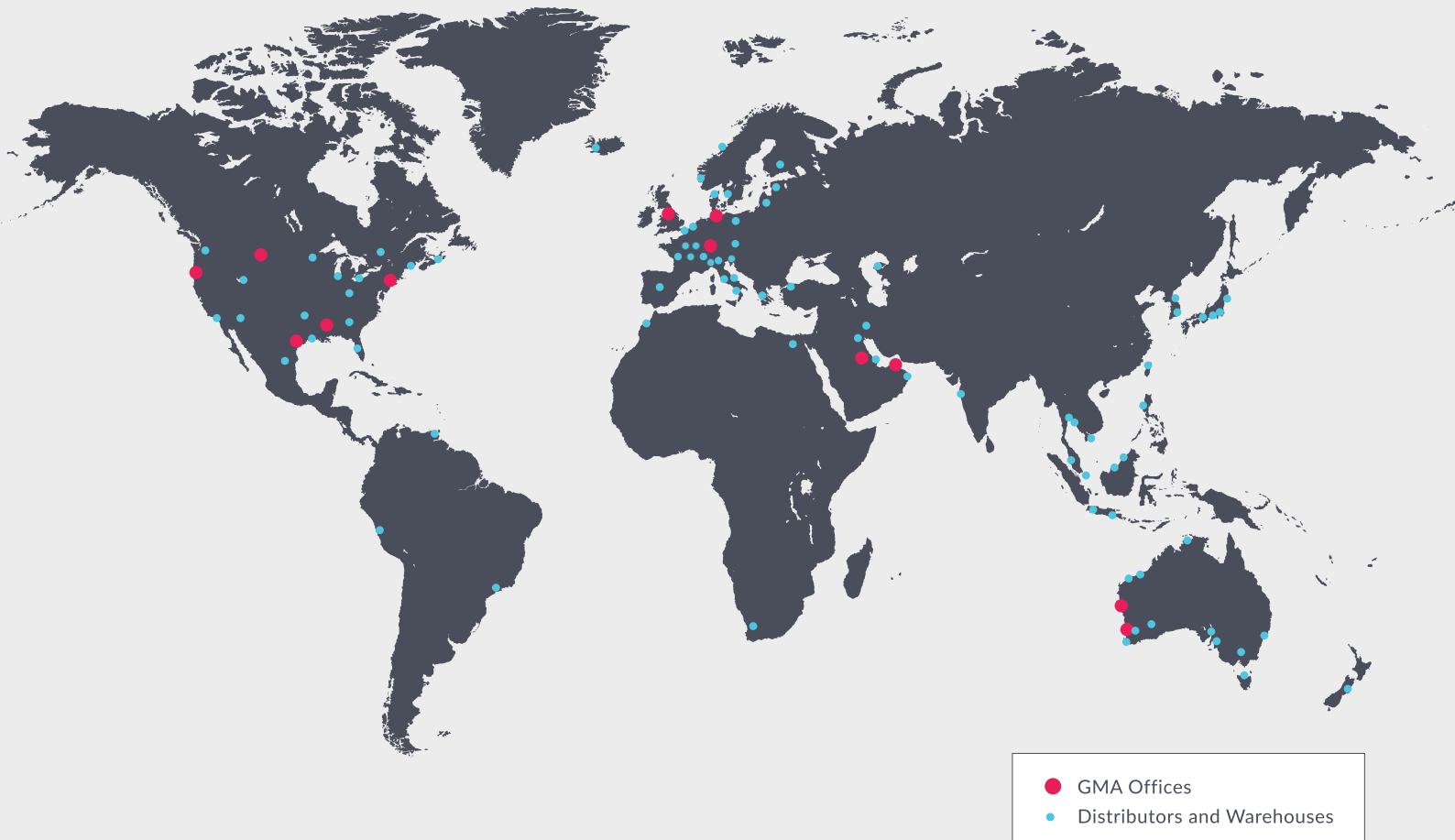
GMA Middle East a wide variety of wear resistant spare parts and equipment for different waterjet cutting machines. In addition, we are also the exclusive distributor of WSI with an extensive line of premium aftermarket waterjet parts to replace KMT, FLOW & H2O parts.

Discover our full range of waterjet abrasive and waterjet equipment for your machines today.



Worldwide distribution

Offices



Secure Supply



Consistent Quality



Technical Expertise



Customer Focus



Abrasive Blasting



Waterjet Cutting



Recycling

For more information, write to:
info.me@gmagarnet.com or visit gmagarnet.com

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