



Troy industries inc.

ISO 9001:2008 Duns #: 095401048 Cage Code: 5KUJ9



GREAT WHITE Series

Hollow Foam Cutters

FOAM FEARS IT !!

Introducing Troy Industries "Great White" Hollow Foam Cutters

Modular design allowing users to interchange various holder types, shanks, & cutter heads.

High Helix & Multi Flute design with hundreds of serrated teeth with a double cutting edge giving you a longer tooling life & better cutting performance than competitor cutters.



100% American Made

SHREDS FOAM APART!

CNC Milling & Manufacturing of: Foundry Patterns (Foam Casting Molds)

Modular System

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Modular design allows users to interchange various holder types, shanks, & cutter heads.

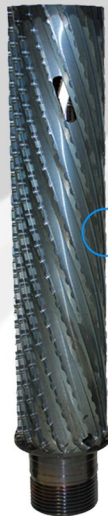
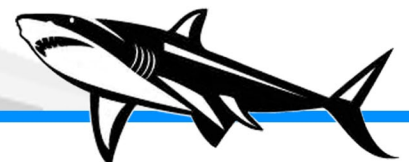
Hollow Weldon Flat Adapters or Standard Vacuum Type Holders Connections Available

Special Ion Heat Treated Up To 60 HRC

Various Cutter Shanks & Cutter Head Sizes

Cutter Shanks & Cutter Heads: Available With or Without Vacuum Holes Dynamically Balanced

Troy Ind. "Great White Modular Hollow Foam Cutters Are Perfect For CNC Milling & Manufacturing of: Foundry Patterns (Lost Foam Casting Molds)



High Helix, Multi-Flute & Double Cutting Edg



Troy Industries "Great White Hollow Foam Cutters Can Machine Styrofoam, Polyurethane, & Soft Foam (Flexible Foamed Plastic)



Shanks & Holders

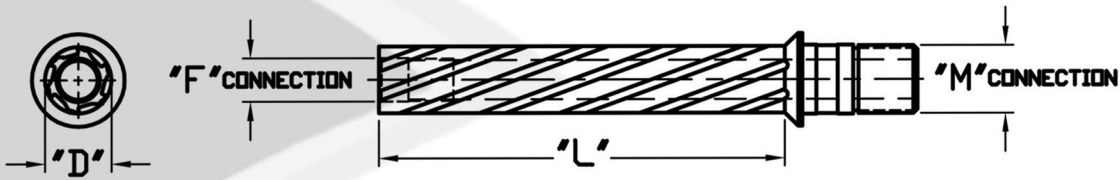
GREAT WHITE Series

Hollow Foam Cutters
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Cutter Shank Extensions



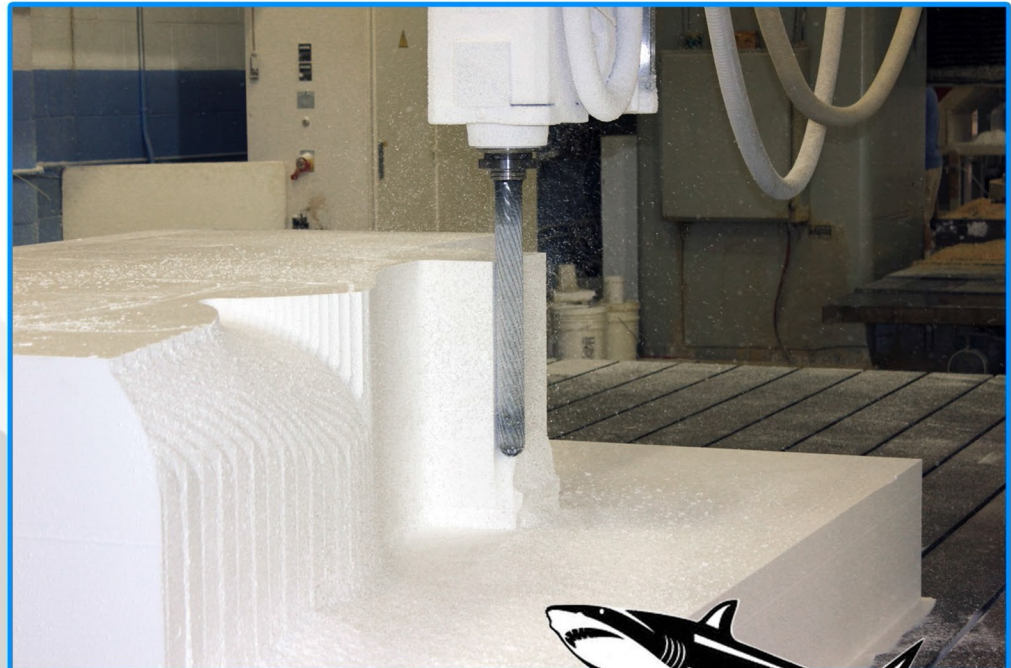
Available:
With Vacuum Holes
On Side of Shank



Available:
With Out Vacuum Holes
On Side of Shank

- Custom Sizes Available
- All Shanks Are Dynamically Balanced

| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) | CONNECTION (F) |
|------------------|----------------|--------------------------|--------------------|----------------|
| TFCS-15-120-M150 | M150 | 15 MM | 112.5 MM | F15 |
| TFCS-15-150-M150 | | | 142.5 MM | |
| TFCS-20-200-M150 | | 20 MM | 190 MM | F20 |
| TFCS-20-250-M150 | | | 240 MM | |
| TFCS-25-250-M150 | | 25 MM | 237.5 MM | F25 |
| TFCS-25-300-M150 | | | 287.5 MM | |
| TFCS-30-250-M150 | 30 MM | 235 MM | F30 | |
| TFCS-30-300-M150 | | 285 MM | | |
| TFCS-30-350-M150 | M175 | 40 MM | 280 MM | F40 |
| TFCS-40-300-M175 | | | 430 MM | |
| TFCS-40-450-M175 | | 50 MM | 225 MM | F50 |
| TFCS-50-250-M175 | | | 275 MM | |
| TFCS-50-300-M175 | | | 375 MM | |
| TFCS-50-400-M175 | | | 475 MM | |
| TFCS-50-500-M175 | | | | |



Shanks & Holders

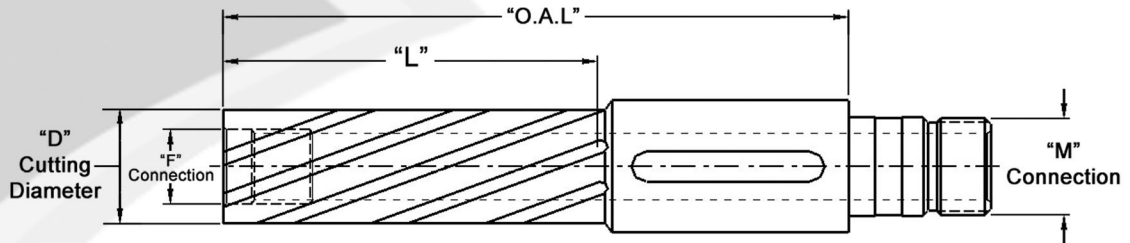


Hollow Foam Cutters

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Foam Cutter Shanks for External Vacuum Systems

Modular hollow foam cutters shanks for machines having an external vacuum suction system. Slotted holes located on top of the shank where the external vacuum housing is placed over.



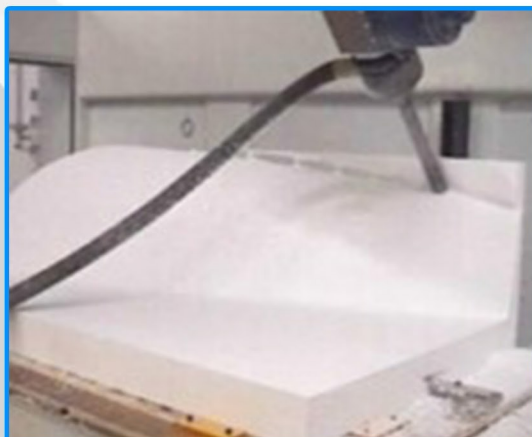
• Custom Sizes Available • All Shanks Are Dynamically Balanced

| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | OVER ALL LENGTH (OAL) | CUTTING LENGTH (L) | CONNECTION (F) |
|-------------------|----------------|--------------------------|-----------------------|--------------------|----------------|
| TFCSV-20-200-M150 | M150 | 20 MM | 197.6 MM | 132.3 MM | F20 |
| TFCSV-20-250-M150 | | | 247.6 MM | 182.3 MM | |
| TFCSV-25-250-M150 | | | 245 MM | 179.5 MM | |
| TFCSV-25-300-M150 | | 25 MM | 295 MM | 228.5 MM | |
| TFCSV-25-350-M150 | | | 345 MM | 279.5 MM | |
| TFCSV-30-250-M150 | | | 30 MM | 242.6 MM | |
| TFCSV-30-300-M150 | 292.6 MM | 227 MM | | | |
| TFCSV-30-350-M150 | 342.6 MM | 277 MM | | | |
| TFCSV-40-250-M175 | M175 | 40 MM | 237.6 MM | 171.7 MM | F40 |
| TFCSV-40-300-M175 | | | 287.6 MM | 221.7 MM | |
| TFCSV-40-450-M175 | | | 437.6 MM | 371.7 MM | |
| TFCSV-50-250-M175 | | 50 MM | 232.6 MM | 166.5 MM | |
| TFCSV-50-300-M175 | | | 282.6 MM | 216.5 MM | |
| TFCSV-50-400-M175 | | | 382.6 MM | 316.5 MM | |
| TFCSV-50-500-M175 | | 482.6 MM | 416.5 MM | F50 | |



Slotted Holes For External Vacuum Systems

The housing of an external vacuum suction system is placed over the cutter shanks slotted holes.



Cutter Heads



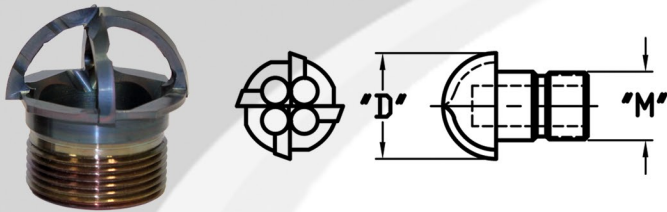
Hollow Foam Cutters

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4-flute Cutter Heads

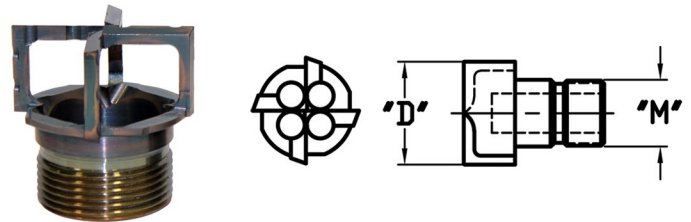
4-Flute Hollow Foam Cutter Tips have more of a hole clearance allowing more suction threw the cutter tip

Ball Nose Cutter Heads



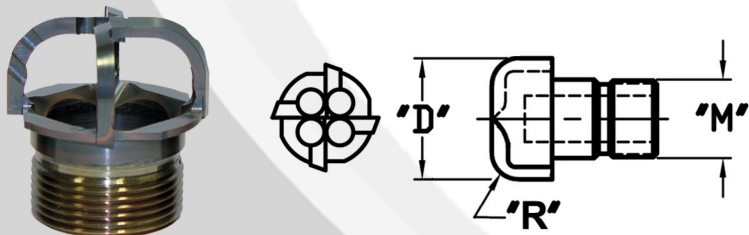
| BALL NOSE FOAM CUTTER HEADS | | | |
|-----------------------------|----------------|--------------------------|--------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
| TFC-15B | M15 | 15 MM | 7.5MM |
| TFC-20B | M20 | 20 MM | 10 MM |
| TFC-25B | M25 | 25 MM | 12.5 MM |
| TFC-30B | M30 | 30 MM | 15 MM |
| TFC-40B | M40 | 40 MM | 20 MM |
| TFC-50B | M50 | 50 MM | 25 MM |

End Mill Cutter Heads



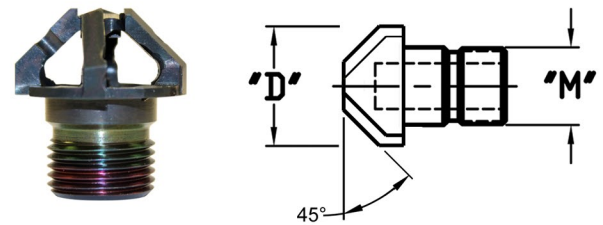
| END MILL FOAM CUTTER HEADS | | | |
|----------------------------|----------------|--------------------------|--------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
| TFC-15E | M15 | 15 MM | 7.5MM |
| TFC-20E | M20 | 20 MM | 10 MM |
| TFC-25E | M25 | 25 MM | 12.5 MM |
| TFC-30E | M30 | 30 MM | 15 MM |
| TFC-40E | M40 | 40 MM | 20 MM |
| TFC-50E | M50 | 50 MM | 25 MM |

Corner Radius Cutter Heads



| CORNER RADIUS FOAM CUTTER HEADS | | | | |
|---------------------------------|----------------|--------------------------|--------------------|-------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) | CORNER RADIUS (R) |
| TFC-25-R8 | M25 | 25 MM | 12.5 MM | 8 MM |
| TFC-30-R8 | M30 | 30 MM | 15 MM | 8 MM |
| TFC-40-R10 | M40 | 40 MM | 20 MM | 10 MM |
| TFC-40-R15 | M40 | 40 MM | 20 MM | 15 MM |
| TFC-50-R15 | M50 | 50 MM | 25 MM | 15 MM |

End Mill Cutter Heads



| 45° NOSE FOAM CUTTER HEADS | | | |
|----------------------------|----------------|--------------------------|--------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
| TFC-45 | M30 | 30 MM | 15 MM |

- Custom Sizes Available
- Available With or With Out Vacuum Holes
- Dynamically Balanced



Cutter Heads



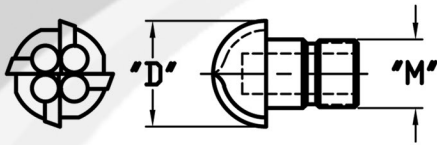
Hollow Foam Cutters

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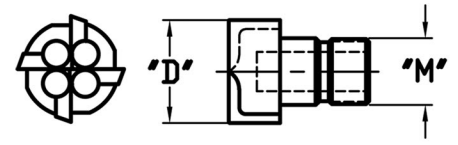
Multi-Flute Cutter Heads

Multi-Flute Hollow Foam Cutter Tips have more flutes allowing faster feeds & speeds and better surface finishes

Ball Nose Cutter Heads



End Mill Cutter Heads



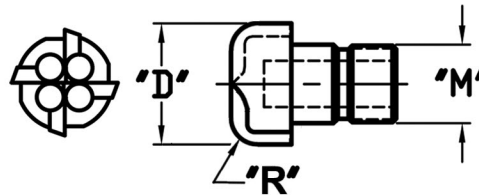
BALL NOSE FOAM CUTTER HEADS

| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
|----------------|----------------|--------------------------|--------------------|
| TFC-15B MULTI | M15 | 15 MM | 7.5MM |
| TFC-20B MULTI | M20 | 20 MM | 10 MM |
| TFC-25B MULTI | M25 | 25 MM | 12.5 MM |
| TFC-30B MULTI | M30 | 30 MM | 15 MM |
| TFC-40B MULTI | M40 | 40 MM | 20 MM |
| TFC-50B MULTI | M50 | 50 MM | 25 MM |

END MILL FOAM CUTTER HEADS

| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
|----------------|----------------|--------------------------|--------------------|
| TFC-15E MULTI | M15 | 15 MM | 7.5MM |
| TFC-20E MULTI | M20 | 20 MM | 10 MM |
| TFC-25E MULTI | M25 | 25 MM | 12.5 MM |
| TFC-30E MULTI | M30 | 30 MM | 15 MM |
| TFC-40E MULTI | M40 | 40 MM | 20 MM |
| TFC-50E MULTI | M50 | 50 MM | 25 MM |

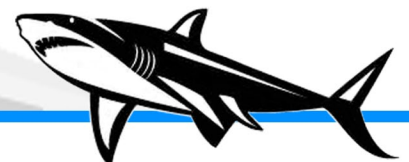
Corner Radius Cutter Heads



CORNER RADIUS FOAM CUTTER HEADS

| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) | CORNER RADIUS (R) |
|------------------|----------------|--------------------------|--------------------|-------------------|
| TFC-25-R8 MULTI | M25 | 25 MM | 12.5 MM | 8 MM |
| TFC-30-R8 MULTI | M30 | 30 MM | 15 MM | 8 MM |
| TFC-40-R10 MULTI | M40 | 40 MM | 20 MM | 10 MM |
| TFC-40-R15 MULTI | M40 | 40 MM | 20 MM | 15 MM |
| TFC-50-R15 MULTI | M50 | 50 MM | 25 MM | 15 MM |

- Custom Sizes Available
- Available With or With Out Vacuum Holes
- Dynamically Balanced



Cutter Heads

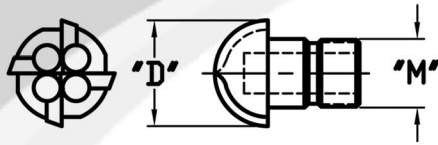


Hollow Foam Cutters
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Solid Cutter Heads

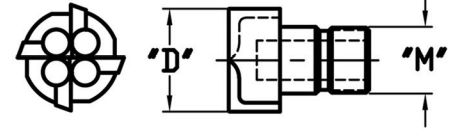
Solid Hollow Foam Cutter Tips have no hole clearance in them used for machines that have no internal vacuum systems.

Ball Nose Cutter Heads



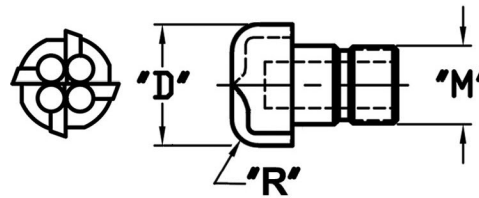
| BALL NOSE FOAM CUTTER HEADS | | | |
|-----------------------------|----------------|--------------------------|--------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
| TFC-15B SOLID | M15 | 15 MM | 7.5MM |
| TFC-20B SOLID | M20 | 20 MM | 10 MM |
| TFC-25B SOLID | M25 | 25 MM | 12.5 MM |
| TFC-30B SOLID | M30 | 30 MM | 15 MM |
| TFC-40B SOLID | M40 | 40 MM | 20 MM |
| TFC-50B SOLID | M50 | 50 MM | 25 MM |

End Mill Cutter Heads



| END MILL FOAM CUTTER HEADS | | | |
|----------------------------|----------------|--------------------------|--------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) |
| TFC-15E SOLID | M15 | 15 MM | 7.5MM |
| TFC-20E SOLID | M20 | 20 MM | 10 MM |
| TFC-25E SOLID | M25 | 25 MM | 12.5 MM |
| TFC-30E SOLID | M30 | 30 MM | 15 MM |
| TFC-40E SOLID | M40 | 40 MM | 20 MM |
| TFC-50E SOLID | M50 | 50 MM | 25 MM |

Corner Radius Cutter Heads



| CORNER RADIUS FOAM CUTTER HEADS | | | | |
|---------------------------------|----------------|--------------------------|--------------------|-------------------|
| CATALOG NUMBER | CONNECTION (M) | CUTTING DIA. METRIC (MM) | CUTTING LENGTH (L) | CORNER RADIUS (R) |
| TFC-25-R8 SOLID | M25 | 25 MM | 12.5 MM | 8 MM |
| TFC-30-R8 SOLID | M30 | 30 MM | 15 MM | 8 MM |
| TFC-40-R10 SOLID | M40 | 40 MM | 20 MM | 10 MM |
| TFC-40-R15 SOLID | M40 | 40 MM | 20 MM | 15 MM |
| TFC-50-R15 SOLID | M50 | 50 MM | 25 MM | 15 MM |

- Custom Sizes Available
- Available With or With Out Vacuum Holes
- Dynamically Balanced



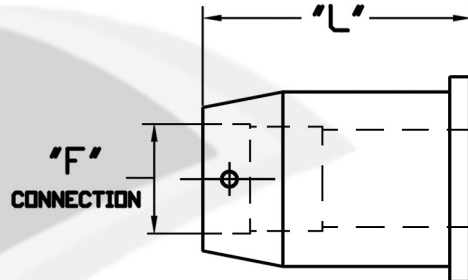
Shanks & Holders

GREAT WHITE Series

Hollow Foam Cutters

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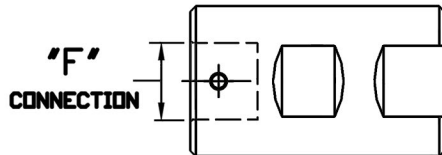
78/8 Disc-Flange Holders



| HOLDERS | | |
|----------------|----------------|-------------------|
| CATALOG NUMBER | CONNECTION (F) | HOLDER LENGTH (L) |
| MFH-F150-15 | F150 | 37.40 MM |
| MFH-F150-206 | | 52.40 MM |
| MFH-F150-403 | | 102.40 MM |
| MFH-F150-600 | | 152.40 MM |
| MFH-F175-15 | F175 | 37.40 MM |
| MFH-F175-206 | | 52.40 MM |
| MFH-F175-403 | | 102.40 MM |
| MFH-F175-600 | | 152.40 MM |



Weldon Flat Adapters



| WELDON FLAT ADAPTERS | | |
|----------------------|----------------|----------------|
| CATALOG NUMBER | CONNECTION (F) | SHANK DIAMETER |
| 125SHK-F150 | F150 | 1.250" |
| 200SHK-F150 | | 2.000" |
| 200SHK-F175 | F175 | 2.000" |



Shank Adapters

Cylindrical shank adapters for collet holders can be made on request



- Custom Sizes Available
- Available With or With Out Vacuum Holes
- Dynamically Balanced

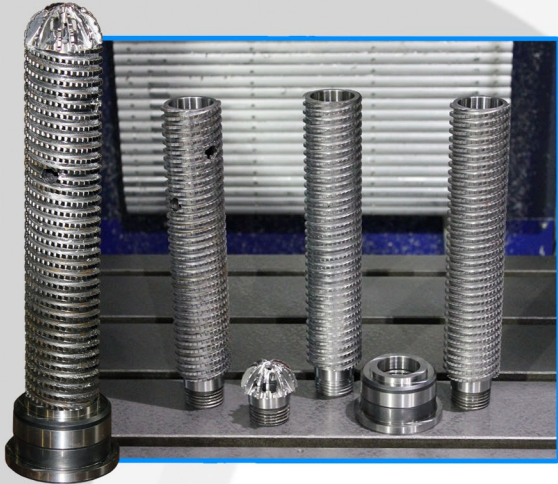


Cutter Heads



Hollow Foam Cutters
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Custom/Special Designs



Design & Build Capabilities For Custom Tooling Designs Are Available



HSK Holder Options

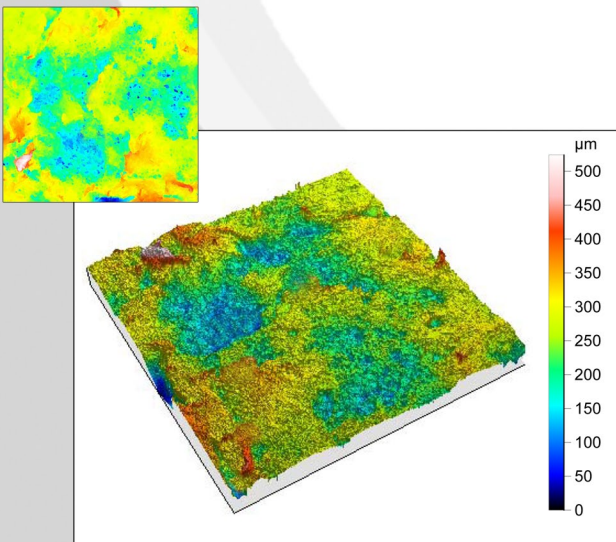
Connect directly to a several HSK holder options from HSK63A, HSK63F, HSK100A, & etc.

| CATALOG NUMBER | CONNECTION (F) |
|------------------------|----------------|
| HSK63A HOLDERS | |
| MFHSK63A-F150 | F150 |
| MFHSK63A-F175 | F175 |
| HSK63F HOLDERS | |
| MFHSK63F-F150 | F150 |
| MFHSK63F-F175 | F175 |
| HSK100A HOLDERS | |
| MFHSK100A-F150 | F150 |
| MFHSK100A-F175 | F175 |

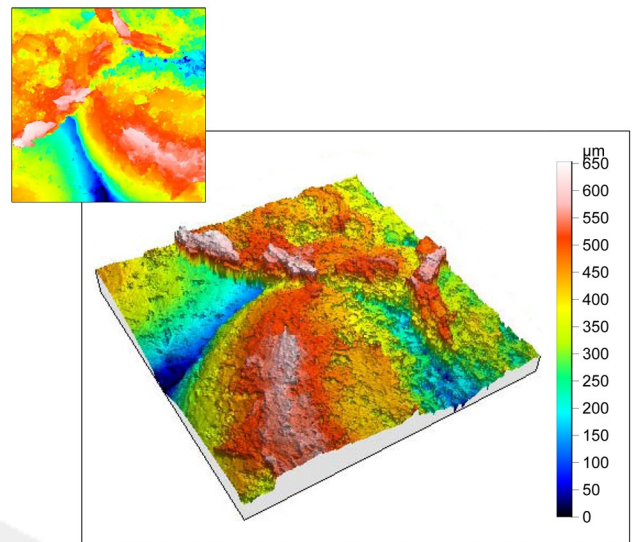
Custom HSK Holders Available On Request:

Cutting Surface Data

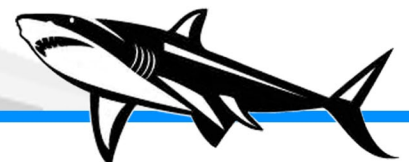
Troy Ind. Great White Foam Cutter Surface Finish



Competitor Surface Finish



Being dynamically balanced & having a high helix design Troy Industries Great White Foam Cutters leave a better surface finish over competitor cutters.





Troy industries inc.

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Series

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