

Chase Diamond Tools For Superior results



Chase Diamond Tools International Ltd.
Designers and Manufacturers of Diamond Tooling



CHASE

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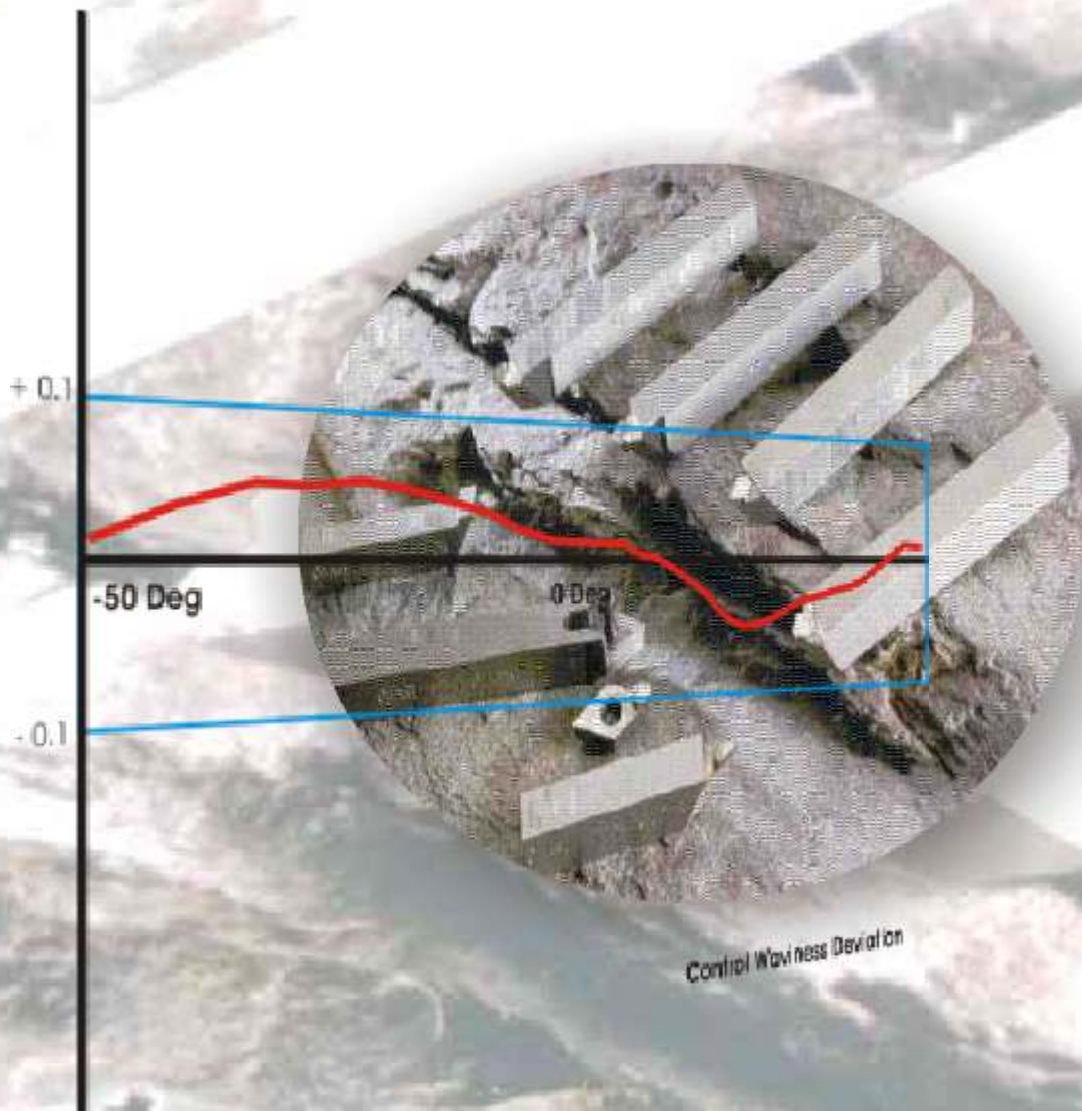
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CHASE-SCD

Single Crystal Diamond



Chase supplies controlled waviness tools for applications in the Electro-Optics industry.

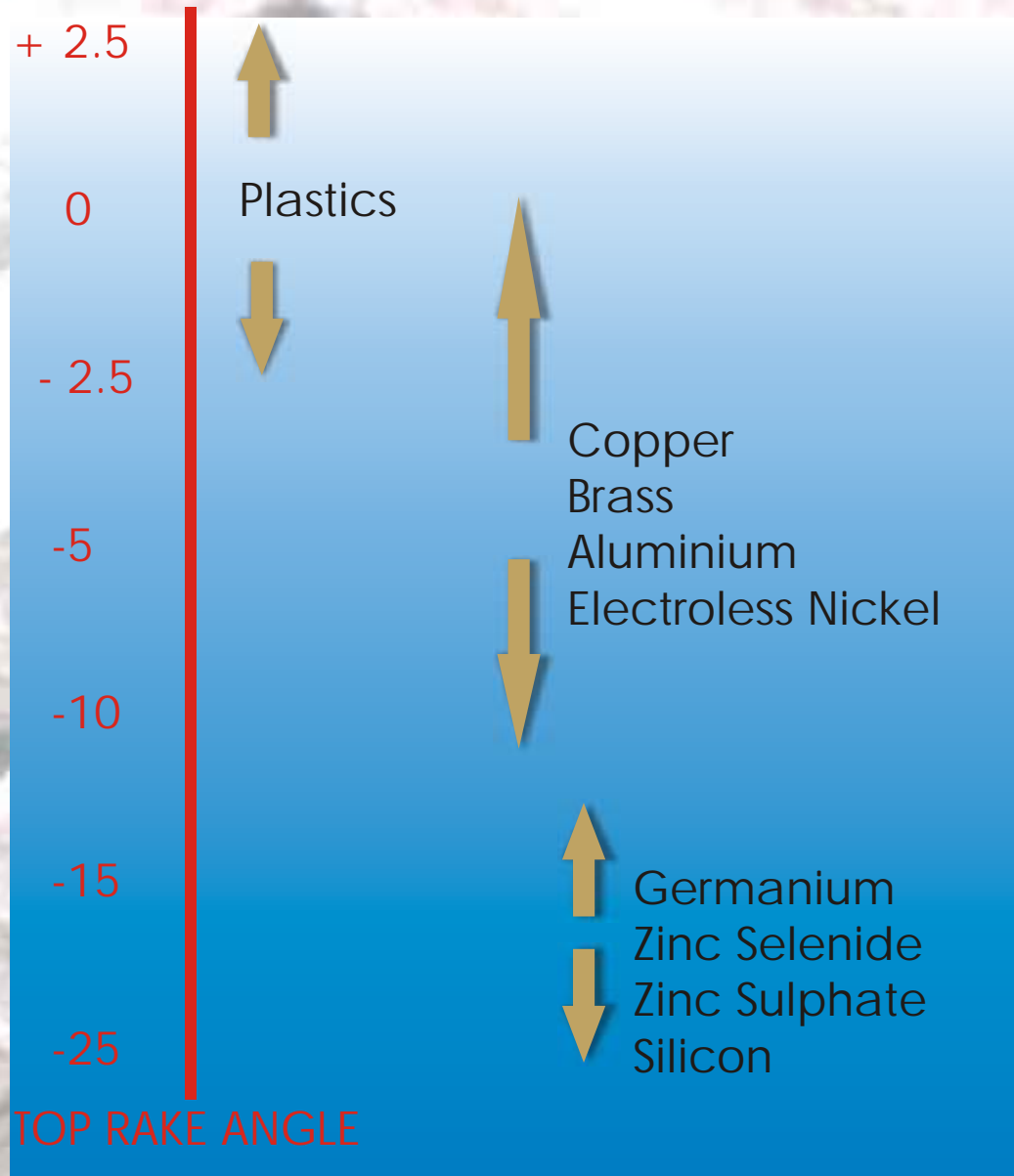
Where greater accuracy of the radius of a tool is called for then we have a cost effective solution to suit most applications.

All our tools use De beers top quality die stones for natural diamond, Sumitomo or Monodie for our synthetic tools.

All of our tools are inspected to 800x magnification to ensure chip free cutting edges.

Our Video inspection system uses the latest technology to provide us with data to confirm that our tools leave our factory within specifications.

CONTROLLED WAVINESS TOOLS



MATERIALS

- Natural Diamond
- Sumitomo
- Monodie

RADIUS RANGE

- 0.10 mm to 10.00 mm

CONTROLLED WAVINESS

- < 2.00 microns
- < 1.00 microns
- < 0.50 microns
- < 0.25 microns
- < 0.10 microns

FRONT CLEARANCE TYPE

- Cylindrical
- Conical

FRONT CLEARANCE ANGLE

- - 5 Degs to -15 Degs

ARC RADIUS

- 90 Deg
- 100 Deg
- 110 Deg
- 120 Deg

TOP RAKE ANGLE

- +2.5 Deg to -25 Deg

FORM

- Solid Shank
- Insert

Chase - Services

RELAP

The re-lapping of a diamond cutting edge to achieve a perfect finish at 800x magnification. Not only will this service restore a diamond tool to its original condition but also ensures continued performance capability.

RE-RADIUS

The reforming and polishing of a required radius to maintain the correct diamond tool geometry.

RE-RADIUS RESET

The reforming of a diamond and resetting into a shank.

We can relap/repair any make of diamond tooling and restore it to its original condition.

Our tool repair service can return your tools to their original condition. We offer a fast and reliable service across Europe.

- 2 Day turn round
- Quality guaranteed
- Cost effective
- Efficient and reliable