



jain diamond tools

www.jaindiamondtools.com



Manufacturers of durable, customized and hi-quality diamond tools and wheels

precise

durable

customised

hi-quality

since 1985

ABOUT US

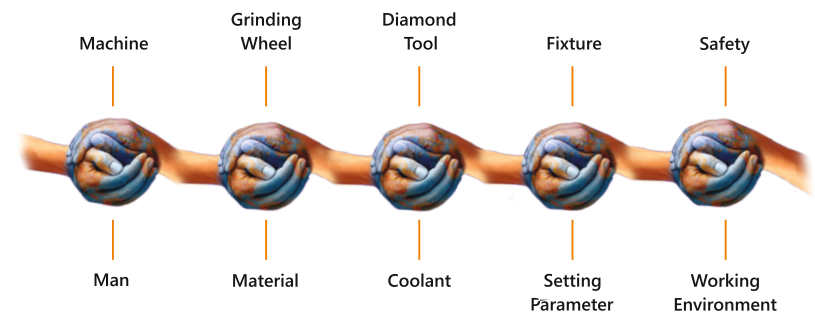
Jain Diamond Tools (JDT) was established in India in 1984 by a group of people having wide industrial experience in precision tool manufacturing. The list of prestigious customers throughout the world is growing because of JDT's consistency in quality, wide range of products and excellent service to its customers. Also JDT invests in care and quality to meet the high standards of its clients at home and abroad. JDT believes that Quality is the only platform on which an organization can grow. In order to maintain its standard of quality, JDT has its own full fledged, sophisticated manufacturing plant. The In house Research and Development team of JDT is committed to develop products to meet the customer's requirements.

Our customer service policy not only includes supplying quality dressing tools but also technical support to improve customers tool life and machining process. To conclude in brief, customers faith and satisfaction is our goal.

THE SCIENCE OF DRESSING

Of all the factors involved in grinding process the diamond dressing tool performs a key function in terms of quality and efficiency of the over all process.

The dressing process is made up of many individuals factors, if one of those factors is weak, its weakness determines the performance limit of the total process. Below are some of the main factors.



Built for Precision. Designed for Performance.



Burnishing Tool

Applications :

- To achieve mirror finishes with Ra 0.05–0.20 μm .
- To increase Surface Hardening by 10% to 30%
- Super-finishing on Steel (carbon steels, tool steels, cast iron to alloys, and most ferrous and non-ferrous metals.)

Industries :

- Auto & Auto components
- Automotive Shafts & Components
- Precision Cylinder Manufacturing
- Textile, Hydraulic, Paper, Food Industry and other similar industries.



Gauging Finger

Applications :

- In process size monitoring
- Centreless, Cylindrical & Surface grinding operations
- Metrology applications

Industries :

- Automotive OEM Production Lines
- Bearing & Shaft Manufacturing
- Precision General Engineering



PCD Wear Part

Applications :

- Bearing Component
- Wear-resistant components
- Machining Support like work rest Blade

Industries :

- Automotive
- Bearing
- Aerospace
- Textile & Paper Industry



Single Point Dresser

Single diamond point geometry
Used for general-purpose
grinding wheel dressing



Needle Blade Dresser

Thin needle/blade tip geometry
Used for fine dressing of small wheels
and intricate profiles



Multipoint Dresser

Multiple diamond points in cluster form
Used for heavy-duty dressing and
rough grinding operations

These diamond dressers are essential for precision wheel conditioning and profiling across the automotive, aerospace, and high-volume bearing industries to ensure consistent grinding accuracy.



Impregnated Dresser

Diamond particles uniformly embedded
in matrix. Used for continuous dressing
in high-production grinding



Roller Dresser

Heavy-duty grinding wheel dressing
for consistent performance and longer life.
in Automotive, bearing, and heavy engineering.

Built for Precision. Designed for Performance.



CVD Dresser

Applications:

- Fine & rough dressing of grinding wheels
- Consistent & optimum Grinding wheel Performance
- Dressing of conventional abrasives & vitrified CBN wheel

Industries:

- Auto & auto components
- Bearing & paper
- Aerospace & Medical Precision Components



Diamond Roller Dresser

Applications:

- High-Precision Profiling:
- Continuous & Automated Dressing
- CNC grinding operations
- Gear & thread grinding

Industries Served:

- Auto & auto components
- Gear Industry
- Bearing Industry
- Aerospace
- Precision engineering industries



Diaform Chisel Dresser

Applications :

- Precision profile generation for conventional abrasives & vitrified CBN wheel
- Thread & form grinding wheel Dressing

Industries :

- Automotive
- Gear Manufacturing
- Aerospace Component
- Camshaft & crankshaft grinding wheel dressing
- Tool Rooms & Die Industries

The premium choice for high-speed automated grinding, offering superior coolant flow and profile retention for hardened steel engine and bearing parts



PCD Cutting Tools

Provide unmatched wear resistance and precision when machining abrasive non-ferrous materials and composites in the automotive, aerospace, and woodworking sectors



CBN Inserts

industry standard for hard turning and high-speed machining of ferrous metals, offering a cost-effective alternative to grinding in the automotive, aerospace, and bearing sectors



Diamond CBN Wheels

High-performance superabrasives for grinding non-ferrous carbides and ceramics (Diamond) or hardened steels and superalloys (CBN)."



Vitrified CBN Wheels

The premium choice for high-speed automated grinding, offering superior coolant flow and profile retention for hardened steel engine and bearing parts

Vitrified CBN wheels are the premium choice for high-speed, automated grinding of hardened steel, offering superior coolant flow and profile retention for the automotive and aerospace industries



Hardness Indenters

Precision diamond tip geometry.
Used for accurate material hardness testing (Vickers, Rockwell, Brinell)



Lapping Compound

Diamond abrasive particles in paste form.
Used for fine lapping and polishing to achieve high surface finish



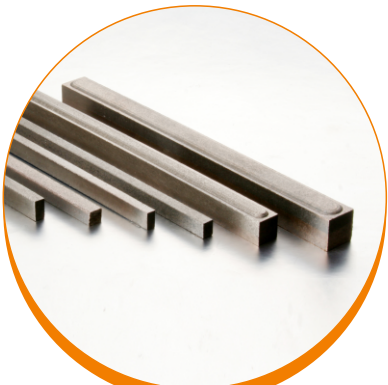
Electroplated Pins

Small diameter abrasive pins.
Used for precision grinding of holes, slots, and intricate areas



Posalux / Jewelry Tools

Fine diamond tools for delicate shaping and finishing. Used in jewellery manufacturing for cutting, polishing, and detailing



CBN Honing Sticks

Abrasive sticks with diamond or CBN grains.
Used for honing operations to improve surface finish and size accuracy



Diamond Hand Dresser

Hand-held diamond tool with single/multiple points. Used for manual dressing of grinding wheels



Diamond Needle Files

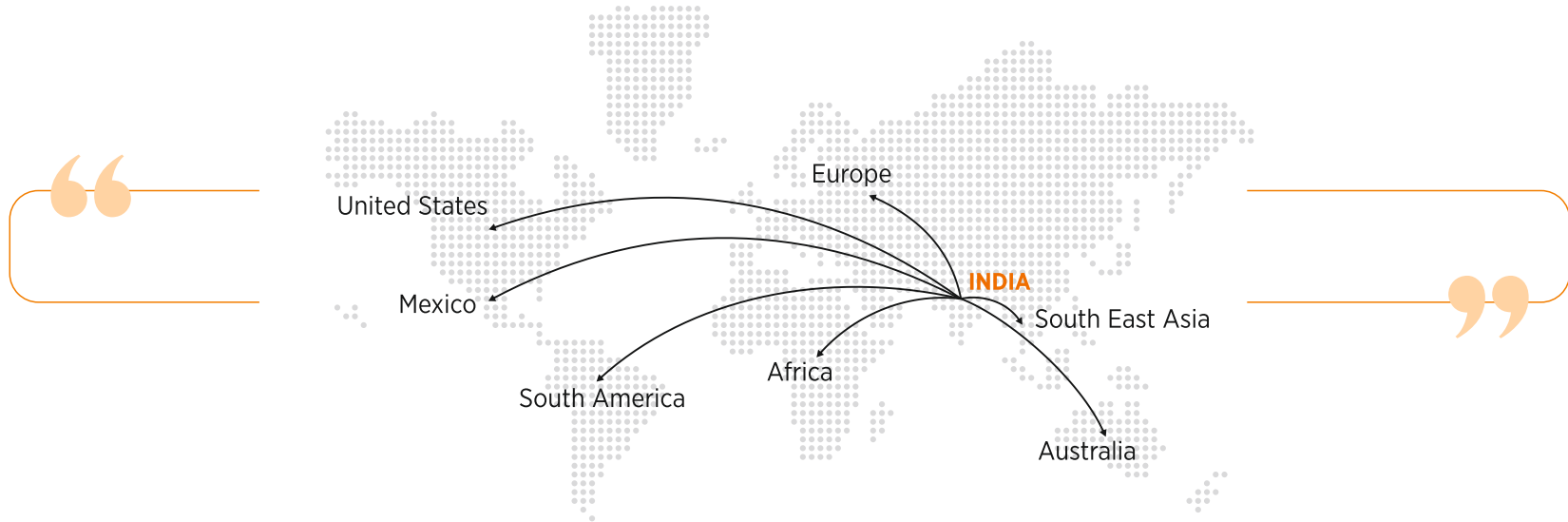
Fine diamond-coated file tools
Used for precision deburring, finishing, and mold polishing



Special Diamond Disc

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for this tool

Our Global Footprints



jain diamond tools

www.jaindiamondtools.com

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