

The image shows a high-speed grinding process. In the foreground, two thick, light-colored grinding wheels are stacked. To the left, a metal workpiece is being ground, creating a large spray of bright sparks that fan out across the scene. The background is dark with a subtle grid pattern.

MASTER[®]

HVOF Grinding
& Finishing Solutions

The increased utilisation of thermally applied coatings, such as HVOF and plasma spray, which are very wear resistant has left the need for products which are tough enough to grind and finish the coating.

Master Abrasives has developed a complete solution specifically for these applications and can offer technical advice through experienced representatives.

Diamond Grinding Wheels

A range of Master resin bonded diamond wheels has been developed to meet the grinding requirements of HVOF applications.

Stripping Wheel

- Coarse diamond grit wheel designed to cope with the demands of removing an old coating and grinding the softer base substrate
- Micro-lubrication and micro-porosity bond technology for fast stock removal rates

Combination Wheel

- Designed to strip off the old coating and grind new thermally applied coatings
- Medium sized diamond grit gives a good commercially ground finish

Finishing Wheel

- Designed primarily for grinding just the thermally applied coating
- Fine diamond grit sizes give a very good surface finish

Lapping and Microfinishing Film

Master Abrasives works with partners to offer abrasive lapping and microfinishing films and slurries for HVOF applications which ensure an accurate, fine finish is produced each time.

Diamond Belts

The range of diamond belts offered are excellent for use on hard-to-grind materials and the diamond abrasive provides a fast, consistent cut. With a variety of flexible backings available, the material readily conforms to contours.

Accessories

To support the range of films and belts offered, Master Abrasives also offer a range of pneumatic tools, polishing spindles and dressing tools to provide the complete solution for HVOF grinding and finishing applications.



Master's technical team are happy to assist with the assessment of your grinding and finishing process.

CONTACT US FOR MORE INFORMATION

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