

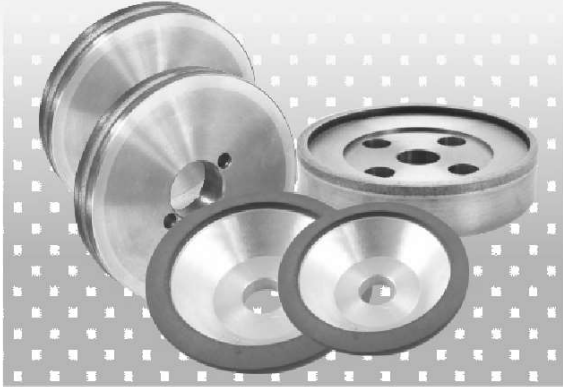


STORM CAT
ABRASIVES

Stationary Dressers
&
Super Abrasives
Products

Metal Bond

Metal Bond wheels are meant for high resistance to wear applications and tend to give particularly long life. The use of coolant for metal bonds is a must. In exceptional cases of small contact surfaces, dry grinding may be employed. A comprehensive range of products conforming to FEPA Standard are offered from 6mm to 700mm in diameter.



Applications

- Ceramic and Refractory grinding
- Glass Industry
- Tile grinding
- TC Roll grinding
- Rotary Tools grinding
- Automotive and Construction Glass grinding
- Flute grinding
- Centreless grinding
- Wheel Dressing
- Concrete / RCC Core Drilling
- Precision Component Form grinding
- Profile grinding
- Periphery grinding of inserts
- Grinding of PCD and PCBN

In addition, we offer the most exclusive range of Metal Bond Diamond / CBN Wheels and Tools for customer specific critical applications.

Resin Bond

SAL offers widest range of Resin Bond Diamond/ CBN wheels conforming to FEPA standards from 5mm to 675mm diameter for different Industries / Applications.

Applications

- Rotary Tools
- Cutting Tool Industries
- Printing and Paper Roll grinding
- Ceramic and Tile grinding
- Wood Working Tools
- Creep Feed grinding
- Notch and Slot grinding
- Tungsten Carbide Roll grinding
- Tool Resharpener / Restoring
- Optical Profile grinding
- Double Disc grinding
- Centreless grinding



Electroplated (Galvanic) Bond

Electroplated grinding tools stand out due to extraordinary good cutting ability with intricate shapes. The Electroplated tools can be re-plated several times, which balances the low life of the tools. SAL has developed numerous small and large complex profile Electroplated Bond wheels with high precision profile geometry. They come with many advantages like- Single grit layer in an extremely stable bond, Extremely high grinding performance and High geometric stability. Galvanic Diamond/CBN Wheels offered are conforming to FEPA Standards ranging from 0.5mm to 650mm in diameter.



Applications

- Automotive industry
- Aerospace industry
- Carbide industry
- Ceramic industry
- Medicine industry
- Dental industry
- Internal grinding
- Slot grinding
- Profile grinding
- Grinding of green and sintered tungsten carbide
- Grinding of ceramic
- Grinding of brake coverings
- Cutting of reinforced rubber mouldings
- Grinding of factitious knee joint
- Profiling of rubber-bonded grinding pins
- Pins for dentists and dental technicians

Hybrid Wheels

The New Generation Grinding Wheels

The trend in Carbide Drill / Endmill manufacturers is clearly towards high productivity and consistent quality. This has put great demands on the Diamond wheel manufacturers to come up with wheels which can grind faster, put less strain on the machine and Job that is being ground. SAL offers a perfectly matched range of products that allow you to take full advantage of the CNC machine to manufacture your cutting tools. These wheels are made of a new generation HYBRID bond. Hybrid Wheels ensure higher material removal without compromising on the surface finish, while ensuring considerable reduction in cycle times. These wheels can be used for both Fresh tool manufacturing and re-sharpening, on CNC Tool and Cutter Grinders.

The unique properties of the Hybrid Wheels are as under.

Capable of taking higher depth of cuts. High lubrication at the point of grinding Lesser load on the spindle motor. Increased profile retention on the wheel. Lower grinding force on the work place, which results in lesser work place deflection during Grinding.

These properties of the Hybrid bond improve the performance of the CNC Tool and Cutter Grinder in the following ways. Increased rate of material removal with high temperature stability, Reduced grinding time per component, Low and constant power consumption, High profile stability and better machine productivity, Long wheel life and long dressing interval.



Vitrified Bond

The advantage of the **Vitrified Bond** is the excellent cutting ability and profile retention, Coolant transportation combined with good wear. **SAL** has developed numerous bond systems designed for precision applications to achieve high performance. We support with perfect Vitrified bond CBN/Diamond tools for intricate forms based upon your exact requirements. Vitrified Bond Diamond/CBN Wheels conforming to FEPA Standard are available ranging from 2mm to 750mm in diameter for Industries / Applications.



Applications

- Automotive parts grinding
- Paper Manufacturing Industry
- Bearing Industry
- Aerospace Industry
- Turbine Industry
- Grinding of PCD and PCBN
- Profile grinding of TC threading plates
- OD grinding of Printing Rolls, Shafts and Rods
- Flat grinding of Ceramic components
- Flat, OD and ID grinding operations of various parts
- Grinding of Camshafts and Crankshafts
- Finishing of turbine parts

We offer exclusive range of Vitrified Bond Diamond / CBN Wheels and Tools for customer specific critical applications.

Hones

Honing is a low- speed, high- pressure surface finishing operation in which stock is removed by the cutting action of abrasive grit embedded in one or more honing stones. **SAL** offers Honing sticks, made from CBN or Diamond. **SAL** possess, under one roof, all the resources necessary to develop and build unique honing tools/sticks that address the longstanding customer problems and ultimately improve product performance.

Applications

- Cylinder Block Honing
- Connecting Rod Honing
- Fuel Injection Parts Honing
- Gear Bore Honing
- Gun Barrel Honing
- Liner Honing
- Rocker Arm Honing
- Hydraulic Tube Honing

