



Complete Grinding
Solutions from
Tools to Machines
to Components

**Technology Leaders in
Super Abrasives, Grinding Solutions
& Precision Components**

for more information visit us at
www.wendtindia.com

ABOUT WENDT

Wendt India Limited, incorporated in 1980, is a trusted total Grinding Solutions Provider with a diversified product portfolio.



3 Business Verticals



Presence in 6 Continents



Over 30,000+ Product SKUs



Total Super Abrasives Bonding Solutions



Automobile



Auto - Ancillaries



Aerospace



Steel



Engineering

WHY WENDT ?

Experience the pinnacle of innovation, where German precision meets Indian craftsmanship – WENDT India Limited: Your one-stop destination for excellence!



Largest Super Abrasive Grinding Wheels Manufacturer in India



Customized Tooling and tailor made Diamond/CBN wheels in line with grinding profile requirements



One Stop Solution – Tooling, Machine, Cutting oil & Application Support



Leading Precision Grinding Machine Manufacturer in India



Quick Service Support through online and offline systems for machines

WENDT SUPER ABRASIVE PRODUCTS



Wide range of Diamond & CBN products for precision grinding of hard materials from steel, ceramics, carbide, to exotic materials.

RESIN BOND WHEELS & TOOLS

Being a very versatile bond, its range of application covers more than half the machining tasks for which Diamond & CBN Grinding Tools can be used.

Features

- Can be used in dry & wet grinding
- Can grind thermally sensitive material
- Can work on oscillation and creep feed grinders

These Diamond/CBN Wheels conforming to FEPA standards, are available from 6mm to 675mm diameter. They are ideal for:



Applications

- Flute Grinding
- Creep Feed Grinding
- Notch and Slot Grinding
- Tungsten Carbide Roll Grinding
- Tool Re-sharpening / Restoring
- Optical Profile Grinding
- Double Disc Grinding
- Centreless Grinding
- Parting
- Knife Grinding
- Woodworking
- Ceramic Grinding
- Razor Blade Grinding
- Insert Grinding
- Carbide Rotary Cutting Tools
- Printing and Paper Rolls

Customized Resin Bond Wheels are also offered for grinding precision components in Machine Tools, Aerospace, Watch, and Die & Mould Industries.

METAL BOND WHEELS & TOOLS

These wheels are made by sintered metal powders along with Diamond/CBN particles.

They exhibit higher mechanical stability and thermal load capacity which gives them greater resistance to wear in comparison to Resin Bonds. This advantage is valuable for profile grinding and machining of materials with strong abrading effects like glass, ceramics, ferrite, etc. Coolant is a must for Metal Bond Wheels.

Conforming to FEPA standards, these Diamond/CBN wheels are offered from 10 mm to 700 mm diameter. They are ideal for:



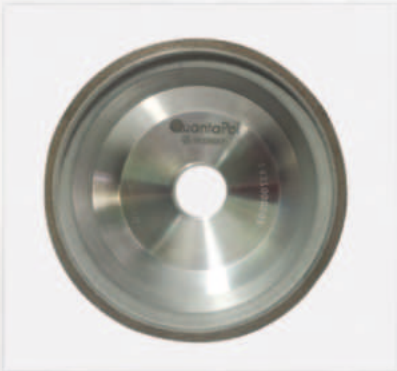
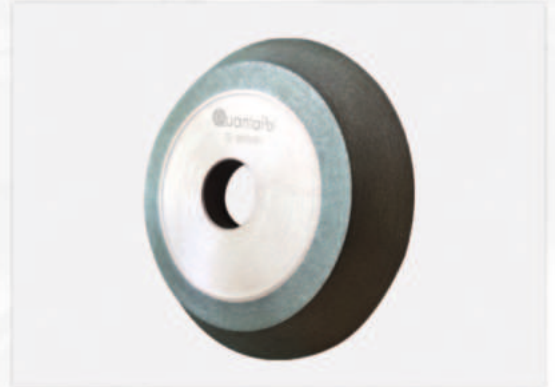
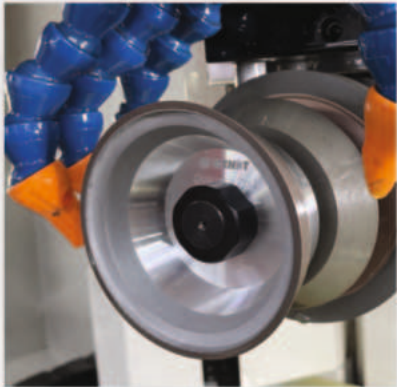
Applications

- Ceramic & Refractory
- Tiles
- Tungsten Carbide Rolls
- Rotary Tools
- Automotive & Construction Glass
- Solar Glass
- Steel rebar / round bar
- Flute grinding
- Centreless Grinding
- Wheel Dressing
- Form Grinding of Precision Components
- Glass Pencil Edge Grinding

Customized metal bond wheels are also offered for customer-specific critical applications.

“QUANTAPOL” HYBRID SERIES GRINDING WHEEL

Wendt “Quantapol series hybrid wheel covers operations of fluting, gashing, OD clearance and end sharpening grinding. These hybrid bonding system has a advantage of Resin & Metal bonding system ie... Elasticity of Resin and wear resistance of metal. These wheel are suited for CNC Tool & Cutter Grinding machines running with oil as coolant.

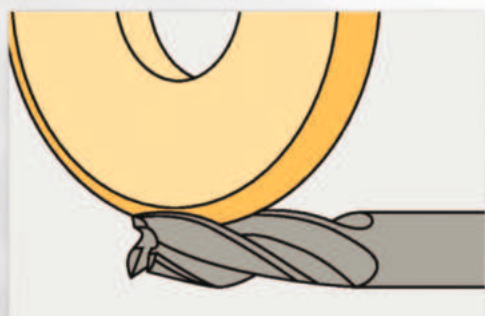


Features

- Hybrid bonding system
- Excellent edge quality and surface finish
- Higher material removal rates
- High profile retention
- Low cutting forces
- Low frictional heat in the contact zone

Applications

- Fluting
- Gashing
- Clearance angle



Fluting



Gashing



End face & OD relief

ROTARY DIAMOND DRESSERS

Diamond Profile Rolls

These dressers, shape grinding wheels in the shortest possible time. Their features:

- Profiling grinding wheels in one step through plunge grinding
- Profiling from the simplest work piece to the most complicated shape
- Meeting exact precision demands
- Offering high economic efficiency

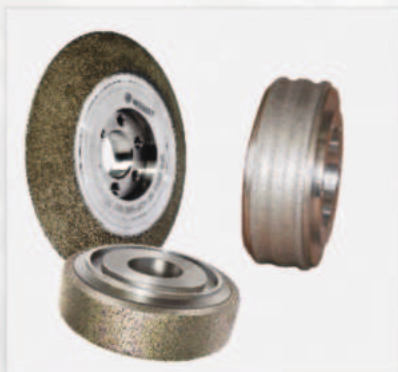
Diamond Form Rolls

These Form Rolls shape grinding wheels in automatically controlled CNC dressing operations in the shortest possible time. Their features:

- Profiling grinding wheels by moving the Diamond Form Roll along the required contour
- Profiling from the simplest work piece to the most complicated shape
- Meeting exact precision demands
- Offering high economic efficiency

Diamond Dressing Blocks

These Dressing Blocks are ideal alternatives to Rotary Dressing Wheels in applications where mechanical dressing is considered un-economical. Ideally preferred for surface grinding applications



Applications

- Journal & Pins Grinding
- Water Pump Bearings
- Camshaft Grinding
- Turbine Blade
- Chamfer Grinding

GALVANIC BOND WHEELS & TOOLS

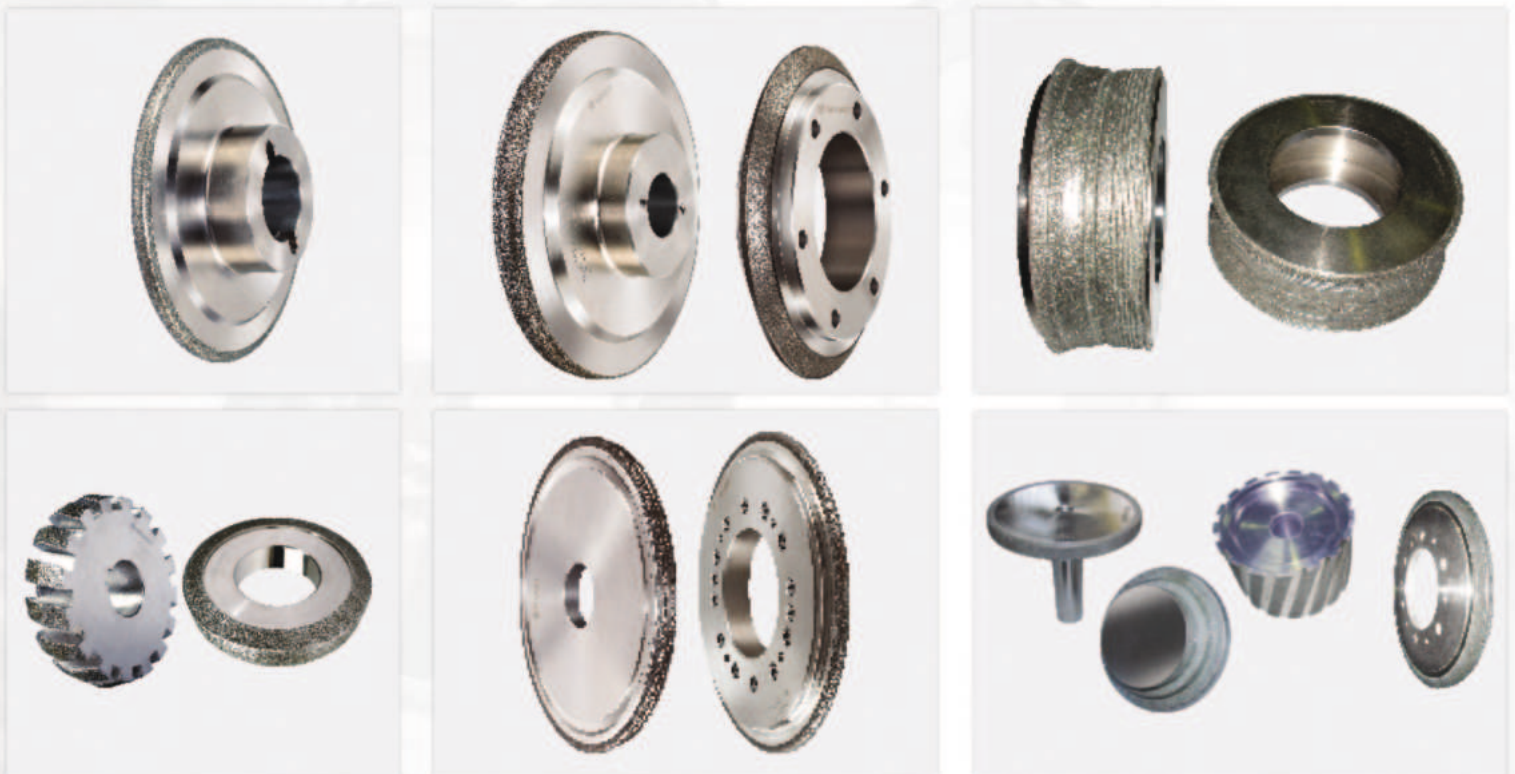
The galvanic bonding system is a single layer of abrasives sprinkled on the wheel body and held in place by a metallic matrix. Since Nickel is used as the bonding material, Hardness, Toughness, Adhesive Force and Resistance to wear are ensured.

Advantages

Numerous grits projecting from the bonding matrix impart following advantages

- Ability to grip firmly
- Extremely high grinding performance
- Can grind even strong ductile materials
- Grinding of Ferrous & Non-ferrous, Plastic and Rubber material

Often finished surfaces are rougher than those ground with the same grit size of other Bonds such as Resin, Metal or Vitrified.



Application

- Small and complex profiles
- Where high precision profile geometry is required
- Where stable profile geometry is demanded over a long Period
- Where there is no dressing possibility on the machine

These wheels are convenient for both roughing and finishing of grinding profiles.

VITRIFIED BOND WHEELS & TOOLS

These are manufactured in standard and controlled induced porosity from Closed to very open bond structures.

Induced porosity reduces grinding forces, allows efficient chip removal and optimizes coolant supply to the grinding zone. This enables the work piece to be free from thermal damage and excessive tensile stress.

Materials that can be ground

- Hardened steel ranging from 35 to 70 HRC, particularly austenitic high alloy tool steel which have a tendency to form carbides in steel matrix.
- Soft steel specially ID grinding of deep bores
- Case hardened steel, Cold working steel, Hot working High speed steel
- Grinding of super hard materials - PCD/PCBN
- Grinding of ceramic, Tungsten carbide composite and glass material



Applications of Vit Diamond

- Tungsten carbide fluting
- Ceramics
- Glass Material
- PCD/PCBN lapping

Applications of Vit CBN

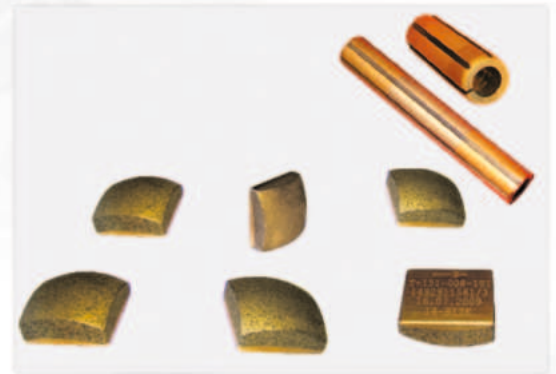
- Camshaft
- Crankshaft
- Gear shaft
- Gear Teeth
- Gear Bore & Face
- Engine Valve
- Turbine Blades
- Bearing
- Injector pump parts
- H.S.S. Hob manufacturing
- Hydraulic pump parts

HONING STICKS

Diamond/CBN Honing sticks achieve better cost per component, cycle time, and overall productivity. All types of steel, alloys, super alloys, cast iron, carbides, plating & coatings, ceramics, glass and difficult to grind materials - can be successfully honed by any one of these super abrasives based on material and applications.

Depending on applications, Honing operations can also replace internal grinding.

Wendt offers a comprehensive range of honing sticks with a varied choice of grit types, sizes and specifications. These provide close size control and accurate geometry with cost economics on continual basis.



Applications

- Industry Segment - Components
- Automobile - Gears, Cylinder Blocks, Connecting Rods, ect.
- Auto Component - Gears, Rocker Arm, Connecting Rods, Fuel Injection Parts, Fork Shifter, Clutch Master Cylinder, Constant Velocity Joints, ect...
- Engineering - Gun Barrel, Hydraulic Tubing, Compressor Parts, ect...

STATIONARY DRESSERS

We offer STAR range of stationary dressers for various industry applications.

Range of Stationary Dressers

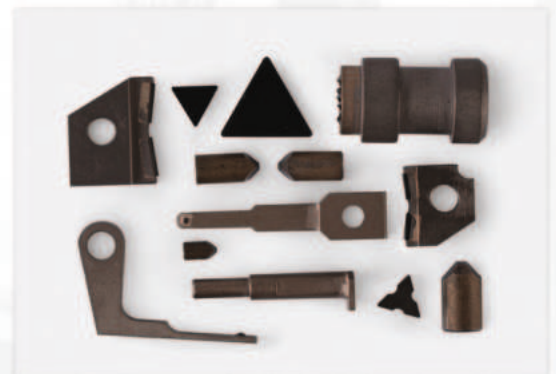
- Single Point Dressers
- Multi- Point Dressers
- Grit Impregnated Dressers
- Cluster Type Dressers
- Blade Type Dressers
- Chisel Type Dressers

STATIONARY DRESSERS, PCD/PCBN TOOLS & WEAR PARTS

We offer a host of high quality stationary dressing tools produced from pure natural diamonds; customized to meet the needs of wheel dressing and forming.

Dressers with PCD (PolyCrystalline Diamond), MCD (Monocrystalline Diamond), CVD (Chemical Vapour Diamond) cater to the specific requirement of precise dressing and consistent wheel performance.

Our PCD wear parts and PCD/PCBN Tooling programme goes one step further in customization and providing Tooling Solutions.



Applications

These dressers are used for OD and side dressing of conventional wheels. They can be used on Cylindrical Grinders, Surface Grinders, Tool and Cutters. Also for Larger profiles, Male or Female profiles Generations on wheels, or to remove the existing profiles (Random Dressing). They can also prepare the wheel for a fresh form.

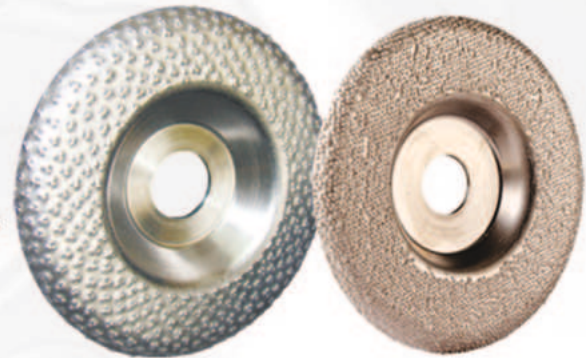
DIAMOND WHEELS FOR CONSTRUCTION INDUSTRY

Chatur is a multifunctional diamond grinding disc engineered for grinding applications in the construction industry, delivering efficient and versatile finishing capabilities across a wide range of applications

- Grinding of concrete surface to remove bulges, undulations, steps in form-work joinery
- Hacking of columns and structures to prepare surfaces for plastering.
- Chamfering, forming of full and half radius in granite.
- Grinding/chamfering/finishing of marble edges, while laying.

Advantages

- No clogging on the disc - hence long lasting.
- Higher productivity.
- Lesser operator fatigue.
- No use of segments. Eliminate change of accidents
- Better machine life.



Applications



Concrete Grinding



Grinding Preconcrete



Panel Joints



Hacking



Hard Rock Grinding



Granite Finishing

One Disc - Many Applications

Smart Solution with multiple capability

Ask for



Grind Smart

BRAZED TOOLS

Brazed tools are manufactured with the unique, state-of-art brazed bonding systems under controlled atmospheric conditions. While Brazing the diamond/CBN crystals are permanently brazed to the steel substrate by chemical bonding. With this process, the diamond crystals remain on the tool and continuous cutting until the diamond/CBN points actually wear flat.

Features

- Extremely strong, wear resistant bond
- Greater chip clearance
- Faster cutting
- Reduced heat build-up
- Enhances tool life

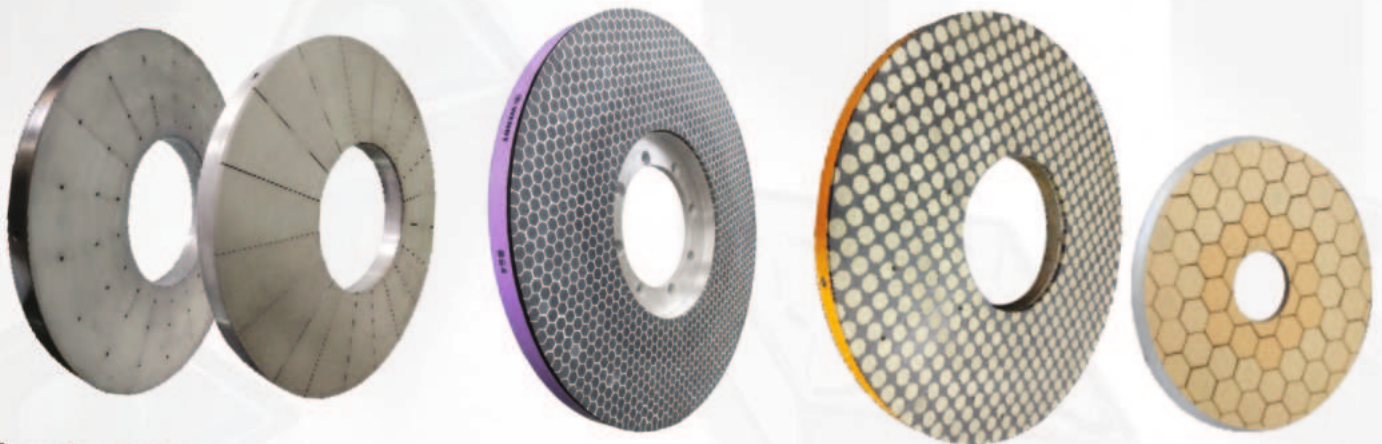


Applications

- Ophthalmic lens
- Granite/Marbles
- Composite materials
- Fired and pre-fired ceramics
- Construction and plastics industry
- Knife re-sharpening

DIAMOND & CBN - FINE GRINDING WHEELS

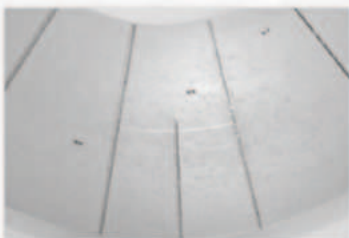
Wendt offers Face Grinding & Fine Grinding Wheels, made from Diamond & CBN based on the components. Wendt also offers Sharpening Rings. Based on the size and shape of the components, the wheels are designed with the type of segments - Round, Hexagonal ect...



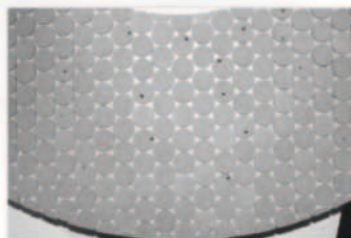
Features

- Parts of Common Rail Injection System
- Parts of Electric Fuel Pump
- Rotors | Sintered Metal Parts

FINE GRINDING WHEEL LAYOUTS



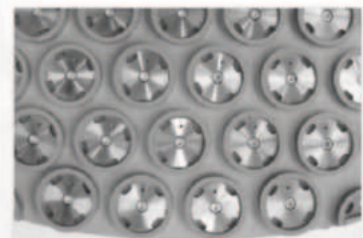
Segmented



Coordinate "S"

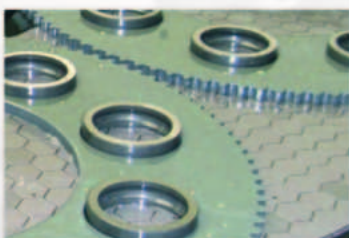


Hexagonal "L"

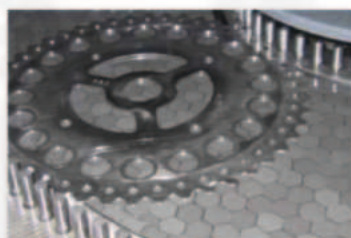


Ring Layout

FINE GRINDING WHEEL & APPLICATIONS



Bearing Rings



Injection Pump Parts



Sealing Discs

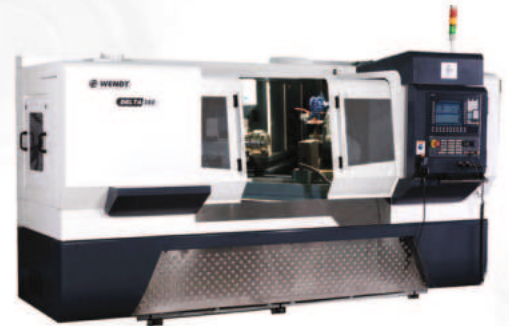
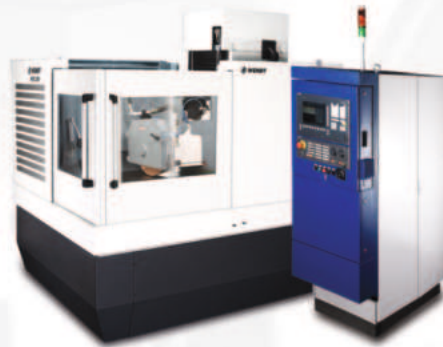
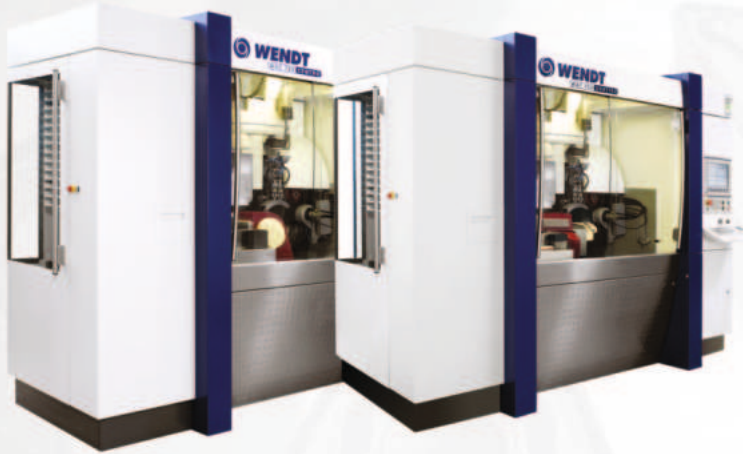


Circular Knives

SHARPENING OF FINE GRINDING WHEELS



WENDT GRINDING & DRESSING MACHINES



The CNC grinders, equipped with a built-in gauging & probing facility, deliver outstanding capability and part-producing capability for grinding hard-to-process metals with high accuracy.

PERIPHERY GRINDING MACHINES

WAC 715 | 735 CENTRO

360° x 360° - Turn your production around

The **WAC 735|715 CENTRO**, an innovation machine design for full automatic grinding of cutting, inserts, grooving tools and special workpieces.

Periphery shapes, grooving geometries, T-Lands and chips breakers are ground in one operating cycle multiple grinding operations in one clamping allows you to achieve the highest precision while reducing overall cycle times. Unequaled flexibility offers the chance for faster new product development with lower costs.



WAC 715 | 735 QUATTRO

Advance by productivity: QUATTRO - the solution

The **WAC 735|715 QUATTRO**, grinds the periphery and T-Lands of cutting insert made of extremely difficult to grind materials such as tungsten carbide, cermet, ceramic, CBN or PCD.

With this machine concept WENDT combines the basic principles of high machine rigidity, short axis travel and cutting edge in circular edge in circular table centre with the newest drive technology and highly advanced hard- and software.



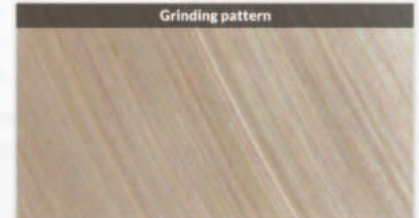
SUITABLE WORKPIECES AS EXAMPLES



THICKNESS GRINDING MACHINE

The **WBM 205** machine base is designed as a single-spindle horizontal grinding machine and is ideally suited for the surface grinding of inserts, sealing elements, sliding surfaces and other precision workpieces manufactured from tungsten carbide, CBN, cermet or ceramic. The extremely compact form of the machine also means that it requires little space.

WBM 205



- Fixed workpiece support on the oscillating slider during the grinding process
- Vario plate compatibility for flexible application
- Achieves a uniform, aligned grinding pattern
- No workpiece rotation required during grinding

The Proven **WBM 221** twin-spindle surface grinding machine is the benchmark for the tightest of tolerances in terms of plane-parallism, flatness and workpiece thickness. In addition to indexable inserts and the other workpieces manufactured from tungsten carbide, this machine can be also be used for the processing of precision steel parts and ceramics wear parts. Numerous technical features guarantee ideal results combined with maximum operating comfort. The proven plugecut grinding for the preliminary and final grinding in a single work step as well as the extremely high rigidity and the hydrostatic guidance permit the briefest of cycle times combined with an excellent dimensional and shape accuracy.

WBM 221



- High productivity and a stable grinding process
- Ideal plane - parallism of the workpiece
- Finish grind in a single grinding process
- Dressing without disassembly of the wheels
- Pressure-free discharge of ground workpieces

SUITABLE WORKPIECES AS EXAMPLES



TUNGSTEN CARBIDE ROLL GRINDER

DELTA 150



Features

- WTC Ecoline is a 2-axis CNC machine driven by Siemens 808D controls
- Table axes are driven by AC servo motor
- Grinding wheel with integral adapter
- Integral electrical control panel
- Coolant filtration system with settling tank
- Suitable for Rolling mill capacity of less than 0.1 MTPA
- Packaged solution-machine offered along with Diamond/CBN grinding wheels, Template and coolant

DELTA 200/250



Features

- Grinds circular grooves of various pass profiles
- Expansion arrangement for holding of Guide Roll/ Carbide Rings
- Powered by siemens controls
- Manufactured with coolant and fume extraction System
- Custom-built grinding cycle

DELTA 350/450



Features

- Powered by siemens controls
- Expanding mandrel for holding TC Rings
- Custom built grinding cycles
- On-line measurement of grooves
- On-line wheel calibration device
- Supplied with custom-built coolant system

Toolings



Metal Bond



Resin Bond



Electroplated



Application

- External & Plunge grinding of pass profiles Tungsten Carbide Ring
- Suggested for mill capacity for <0.1 MTPA & <0.2 MTPA



TC Ring



Guide Roll | 18

CNC NOTCH MILLING & BRANDING MACHINE

WENCUT 405



Application

- Milling of various types on Notches - straight, Spiral, Angular ect...



TMT Bars

Features

- Expanding mandrel for holding of TC Rings
- 3/5 axes configuration driven by siemens controls
- Custom-built screens for different types of Notches
- Facility for marking on Grooves
- Supplied with custom-built coolant system & Tooling

Specifications

Maximum diameter of job	mm	310
Speed of work spindle	rpm	0.05-60
Speed/power of milling spindle	rpm/kW	10-210/1.16
Slide stroke (Longitudinal)	mm	100
Slide stroke (Cross)	mm	10
Slide stroke (Vertical)	mm	250/540
Longitudinal slide stroke	mm	200

GRINDING FOR NOTCH TOOLS



Features

- Manually operated machine
- Suitable fixture to accommodate notch milling inserts during grinding
- Manufactured with Optics
- Dry/wet grinding facility

Application

- Grinding & re-grinding of Notch Milling PCD/PCBN Inserts

Specifications

Motor Power of wheel spindle	kW/rpm	0.85/3000
Speed of grinding spindle	rpm	2600-7400
Swivel range of grinding head	deg	0-360
Tilting angle of grinding head	deg	±45
Slide stroke (Longitudinal)	mm	360
Slide stroke (Vertical)	mm	230
Slide stroke (Longitudinal)	mm	230
Magnification (Optics)		20x

PRECISION CNC CYLINDRICAL GRINDING MACHINE

Precigrind-straight Wheel Head/Angular Wheel head



Features

- Precision grinding of circular parts
- 3 axis machine with Siemens 828D controls
- Angular/Straight arrangement of wheel Head
- V and Flat turcite lined guide ways for table movement
- Workholding arrangement through live/dead centers
- Hydraulically operated tailstock
- In-process gauging (optional)
- Dynamic balancer, flagging unit and steady rest (optional) Specific

Tooling



Rotary Dresser



Single Point Dresser



Blade Dresser



Vitrified CBN Wheels

Applications



Crank Shaft



Cam Shaft



Piston



Gear Shaft

CNC ROTARY SURFACE GRINDERS

WRS Series - Horizontal and Vertical versions

Offered in WRS 300H, WRS 300V, WRS600H & WRS 600V Models



Features

- Offered in 2-axis and 3-axis configuration
- Rotary table diameter in sizes 630mm and 1200mm
- Retraction of wheel head in case of power supply failure or alarms
- Choice of CNC controls... Siemens 802 DSL, Siemens 810DE, Siemens 840DE
- Specific custom-built accessories and toolings

Specifications

Diameter of rotary table	mm	630/1200
Table speed	rpm	7.5-150/7.5-50
Maximum weight of job	kgs	300/1800
Spindle motor power	mm	11/18.5
Vertical axis stroke	mm	415/360
Cross slide stroke	mm	430/600

Tooling



Vitrified CBN Wheel



Resin bond wheels

Applications



Connecting Rod



Ceramic cylinders



Rocker arm



Bearing & inner ring

RECIPROCATING SURFACE GRINDING MACHINE

PROCTA -300/500H

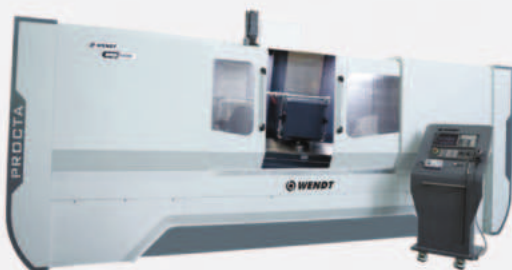
PROCTA -300



Features

- Work table size 400x150mm.
- Servo driven vertical, cross and oscillation axis
- Provision of conventional/Super abrasive wheel for grinding
- LM guideways for the infeed axis and turcite lined for the cross table axis
- Custom designed retraction system for vertical axis
- Standalone control panel with siemens 828D SL control system
- User friendly programming and operation.

PROCTA 500H



Features

- Siemens 828D SL CNC system (840D SL optional based on application)
- Linear scales for 3 axis
- Machine bed strightness-0.005mm/1000mm
- Total bed length 2000mm
- Grinding accuracy +/- 3µm flatness
- Wheel dressing system-Rotary dresser unit & stationary
- High quality, precision linear guideways
- Remote diagnostics, quick spare supports applications
- Contour grinding, Traverse grinding, slot grinding, Deep grinding

Toolings

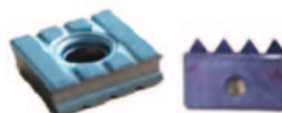


Vitrified CBN Wheel



Resin bond wheels

Application



Insert



Turbine blade



Spline shaft grinding



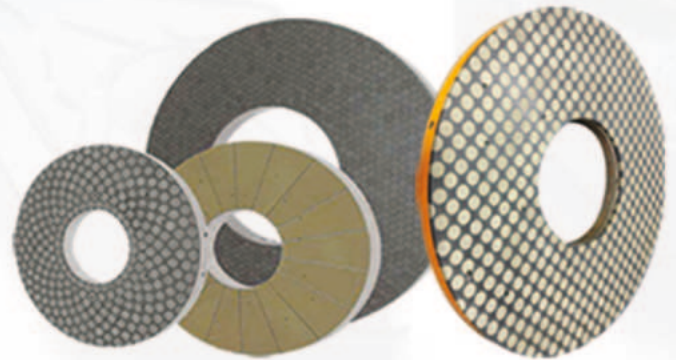
Rotor & Stator

DOUBLE SIDE FINE GRINDING MACHINE

WDG SERIES : 50,70,100 & 120



Tooling



TECHNICAL DATA	UOM	WDG 50	WDG 70	WDG 100	WDG 120
Grinding disc diameter phi	mm	Phi 530	Phi 720	Phi 1000	Phi 1200
Disc width	mm	150/180	220	260/290	400
Maximum pressure	pa	300	600	1000	1500
Upper disc motor power	KW	2	5.5	9.2	11
Upper disc rotating speed	RPM	70	105	80	85
Lower disc motor power	KW	2	5.5	9.2	11
Lower disc rotating speed	RPM	70	105	80	85
Inner ring motor power	KW	1.1	2	3	5
Inner ring rotating speed	RPM	50	75	65	65
Equipment dimension L*W*H	mm	1500*1100*2000	1800*1900*2500	2500*2100*2700	2600*3000*2300
Weight	kg	2000	3000	4500	6000
Maximum height of work piece	mm	50	75	100	100

Suitable for application fields

- Blade pump, steering valve, plunger pump, gasoline pump, hydraulic motor, ect...
- Air condition compressor blade,piston,cylinder,refrigerator compressor valve plate
- Internal combustor part, booster pump part,oil nozzle/oil pump part.
- Various hard alloy blades, high-precision bearing, sealing piece, watch part, ceramic valve core,magnetic material,etc...

Unique features of machine

- Easy maintenance with simple and convenient operation
- Touch screen control interface
- Powerful failures diagnosis function
- Digital dimensional control system

Workpiece as Examples



PRECISION TOOL GRINDING MACHINE - CTG 26/526



Features

- 3D graphic interface easy to use
- 4 axis tool grinding/ re-grinding machine
- Software upgrade is simple through USB for specials.
- Customized Diamond/CBN wheels for specific applications

Specific applications

- Ball end mill cutter
- End mill/Drill/Reamer/Tab/Step drill

Toolings



Specifications

Bore diameter range	mm	1-26
Tool length	mm	35-250
Material		Carbide/HSS
Motor	W	600
Speed	rpm	4500 variable
Max.peripheral speed of grinding wheel	m/s	36
Net Weight	kgs	350

WHEEL PROFILLING MACHINES

OPRA Series - Optical Projector & Video Vision Versions
Offered in OPRA 200V, OPRA 300V & OPRA 400 Models

OPRA 200V



Features

- Operator friendly
- Easy accessibility for operation
- Easy to reach operation pendant
- Rigid Design
- Linear bearing for slide movement
- Stress relieved castings
- Precision work and wheel spindle
- Customized work spindle front nose

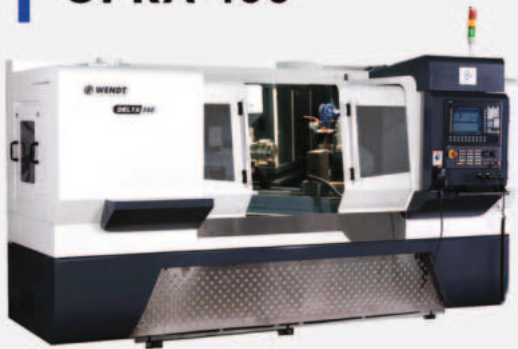
OPRA 300V



Features

- Variable speed for work and wheel spindle
- Motorized arrangement for work head axis
- Linear scale with digital read out for work head axis
- Position measurement for two work head axes, one wheel head axis and swivel axis

OPRA 400



Features

- Diameter range of profiling of wheels 50 -350mm
- Metrologix Vision system with standard shapes of wheels
- Fixed position arrangement of camera/lens set up.
- Servo driven axis of work head, wheel head and swivel
- Linear bearings for all axes. CNC control for the profiling operation
- Standard alone control panel with Siemens 840D SL controls

Toolings



Profiling and dressing of Metal, Resin & Vitrified Super Abrasive Wheels



Dressing of wheel pack in same setting

Application

- Dressing and profiling of straight and convex diamond or CBN grinding wheel mounted on a wheel pack

ACCESSORIES & CONSUMABLES



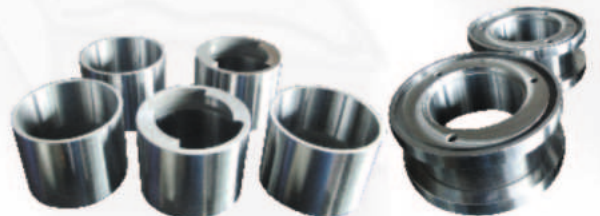
Centrifuge System WZ95



Coolant Filtration System



Hardened and Ground Wheel Flanges



Taper Lock Bushes



Flingers/Track Rings



Brake Truing Device



Air Motor

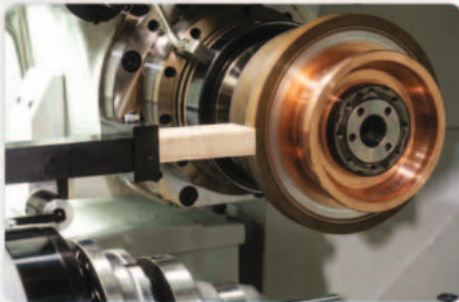


Wendress Equipment

ALUMINUM OXIDE & SILICON CARBIDE

Abrasive Stones

Dressing Stones for Dressing & Sharpening of Diamond/CBN Grinding Wheels Wendt India offers the best sharpening Abrasive Stones. These abrasives sharpening stones are applied to the Diamond/CBN wheels to keep the abrasive layer sharp for achieving the optimum grinding ability of the wheels. Standard dressing sticks are offered in size 100mmx25mmx12mm



Profiled Wheel

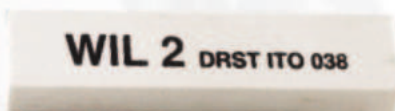


Sharpened Wheel



Recommended Dressing Sticks

Aluminum Oxide (White)
Grit size, 240-320 mesh
Hardness G or H



Dressing Stick Data			
Hardness	Grain size	Abrasive	Grain Size of diamond
G-H	# 80 - 220	White Aluminium oxide	# 100 - 180 (D181/126)
G-H	# 150 - 600	White Aluminium oxide	# 220 - 400 (D46/76)
G-H	# 280 - 1200	White Aluminium oxide	# 500 - 1000 (D20/30)
G-H	# 600 - 2000	White Aluminium oxide	# 1200 - 2000 (D10/15)

Honing stones for all honing applications, offered in Aluminum Oxide and Silicon Carbide abrasives. The grit range is available from 20 to 400, as per FEPA standards.

Applications

- Hydraulic & pneumatic cylinder
- Cylinder Blocks & liners
- Hydraulic equipment
- Gears
- Nozzles
- Pneumatic Tools
- Gun barrels of field guns and battle tanks
- Connecting rod ends
- Gauges
- Bushes & bores



WENDT PRECISION COMPONENT PRODUCTS



We specialise in providing precision-ground parts in steel, carbide and ceramic materials. A certified manufacturer of parts for the automotive, non-auto and aerospace sectors.

PARTS FOR FUEL PUMP INDUSTRY

The Precision Components division at Wendt India has a dedicated capacity for producing precision components required for fuel pumps. With a track record of supplying to leading fuel pump manufacturers for over a decade, Wendt (India) has developed special expertise in the manufacturing of fuel pump parts

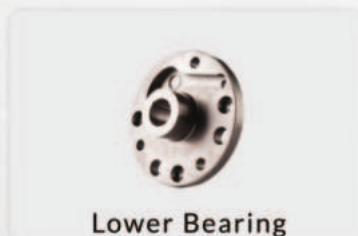
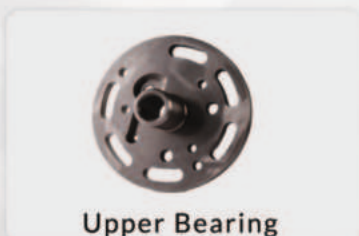
WENDT Machines Capability

- Top & Bottom Grinding
- Periphery & Radius Grinding
- Slot Grinding
- Honing machine
- ID & OD Grinding machine
- Centreless Grinding machine
- Double Disc Grinding machine



PARTS FOR REFRIGERATOR & AIR COMPRESSOR INDUSTRY

The Precision Components division at Wendt India has a dedicated capacity for producing precision components required for Refrigerator & Air Compressor industry. With the experience of supplying the precision components to various industries Wendt (India) is capable to achieve the precision required by Refrigerator & Air Compressor manufacturing industry.



PARTS FOR HYDRAULIC PUMP INDUSTRY

The Precision Components division at Wendt India has a dedicated capacity for producing precision components required for Hydraulic pumps. With a track record of supplying to leading hydraulic pump manufacturers for over the year, Wendt (India) has developed special expertise in the manufacturing of hydraulic pump parts.



Vanes



Valve Body



Bush



Shaft



Spool



Rotor

PARTS FOR INSERT & CUTTING TOOL INDUSTRY

The Precision Components division at Wendt India has a dedicated capacity for producing precision components required for Insert & Cutting tools Industry. With a track record of supplying to leading cutting insert manufacturers for over a decade, Wendt (India) has developed special expertise in the manufacturing (especially finishing process) for cutting tools parts

WENDT Machines Capability

- Top & Bottom Grinding
- Periphery & Radius Grinding
- Slot Grinding
- Honing machine
- ID & OD Grinding machine
- Centreless Grinding machine
- Double Disc Grinding machine
- Land Grinding



PARTS FOR AEROSPACE & DEFENCE INDUSTRY

The Precision Components division at Wendt India has a dedicated capacity for producing precision components required for Aerospace & Defence Industry. Having the certification of AS9100, Wendt (India) supplies various precision components required by Aerospace & Defence Industry.

WENDT Machines Capability

- Top & Bottom Grinding
- Periphery & Radius Grinding
- Slot Grinding
- Honing machine
- ID & OD Grinding machine
- Centreless Grinding machine
- Double Disc Grinding machine



Shroud Segment



Magnet

Materials we handle

- Stainless Steel
- Carbides
- Sintered Steel
- Ceramics of all type
- Titanium
- Aerospace materials (Ti alloy, Tungsten all)
- Other Hard to process materials

Precision & Accuracies

- Tolerances of 2-3 microns
- Surface Finish: Rz of 1 to 2 microns
- Flatness: 2 microns
- Parallelism: 2microns
- Circularity & Cylindricity: 2 microns

Why Wendt for Precision Components?

- Experience & Expertise in delivering complex, high-precision components.
- Proven track record of reliability and customer satisfaction and serving the existing customers for over a decade.
- Unique In-house machine building and Surface-Abrasive Tools manufacturing facility
- Empowered with Wendt German Technology
- Wendt India is a Murugappa Group Company.

ABRASIVE COATED, POLYESTER BASED Finishing Films

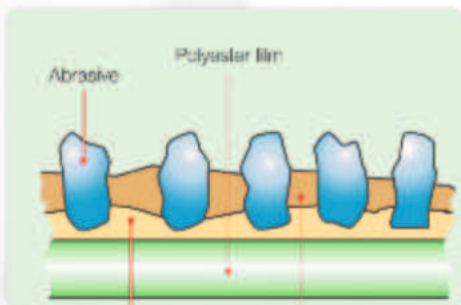
Finishing Films are Abrasives coated on polyester base for polishing the surface after grinding for achieving better bearing ratio. The Polyester is extremely flat compared to paper or cloth and is waterproof. It is non-tearable and non-expandable. Aluminum Oxide, Silicon Carbide and Diamond abrasive are coated on this polyester. These films are available in the form of Rolls, Sheets and Discs.



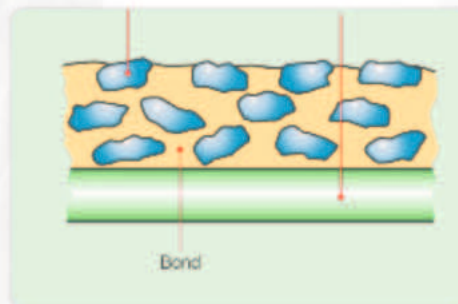
Benefits

	Hard Turning / Grinding	SUPERFINISH
○ Roundness		
— Straightness		
▭ Evenness		
○ Cylinder		
∇ Surface Roughness		
∇ Material Share		

TYPES OF FINISHING FILMS



Electro statically aligned
Fine Finishing Film



Slurry-type coating:
Super Finishing Films

APPLICATIONS

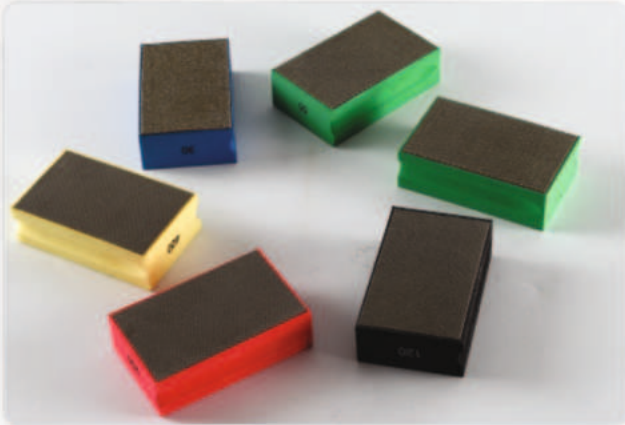


DIAMOND & CBN COATED

Flexible Products

Wendt offers Face grinding & Fine grinding wheels, made from Diamond & CBN based on the component. Wendt also offers sharpenings rings. Based on the size and shape of the component the wheels are designed with the type of segments-round, hexagonal.

Diamond Hand Pads



Diamond & CBN Belt



Diamond & CBN Sleeves



Diamond Belts are used for edge diamond sleeve are used for grinding of glass/ceramic. finishing of plastic/wood/ available in wide a wide range of carbide/ceramics. These are sizes and diamond grit sizes mounted on rubber rollers. Can be used on a hand held power tool. Available in galvanic and resin bonds with a wide range of grit sizes.

Diamond Hand Pads

Diamond Hand Pads are used for de-burring/blending and for light material removal on Carbide / Ceramic / Glass / FRP etc. These are galvanic bonded and come with a sponge backing. Available in D601, D426, D252, D151, D91, D46 grits. Colour codified for easy identification.

Reach Us

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