

Rotary Diamond Dresser



The Rotary diamond dressers are an advanced forming wheel and honing wheel dressing tool, can trim complex shaped grinding wheels that cannot be completed by other dressing methods.

China Rotary Diamond Dresser In Stock Factory

The Rotary diamond dressers are an advanced forming wheel and honing wheel dressing tool with high correction efficiency and can trim complex shaped grinding wheels that cannot be completed by other dressing methods. Due to the high precision and long life of the roller, the quality of the ground workpiece is stable and consistent, and the best economic benefits can be obtained in mass production.



Applications of rotary diamond dressers

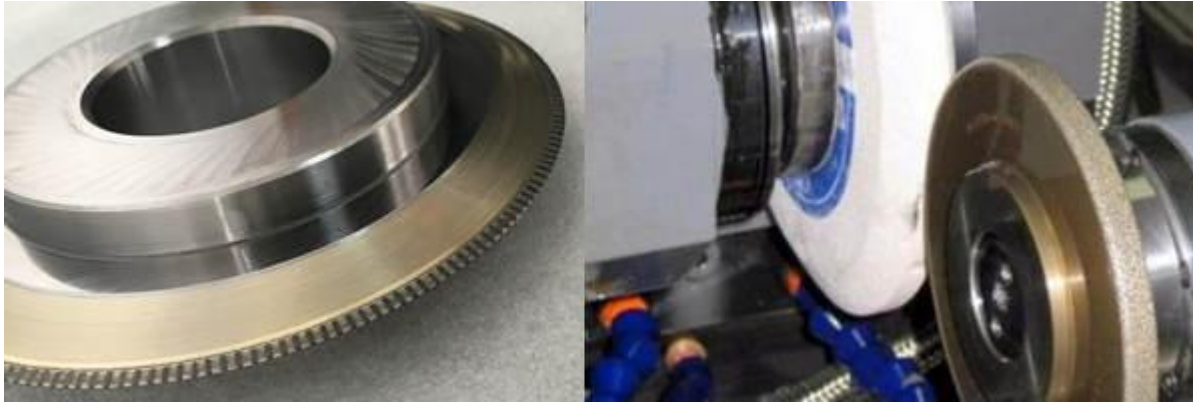
The rotary diamond dresser is used for dressing grinding wheels (vitrified cbn grinding wheel, conventional grinding wheel).

The application industries include,Automobile engine, machinery industry, robot parts, flute dresser, turbine blade, automobile valves, crankshafts, sewing industry, turbine blade - fir tree root form, cam Grinding, bearing industry, ball joints, needle injectors

The applicable CNC machines

Holfer, Gleason-Pfauter, Kapp-Niles, Reishauer, Meccanodora, Samputensili, Cinetic Landis, Toyoda

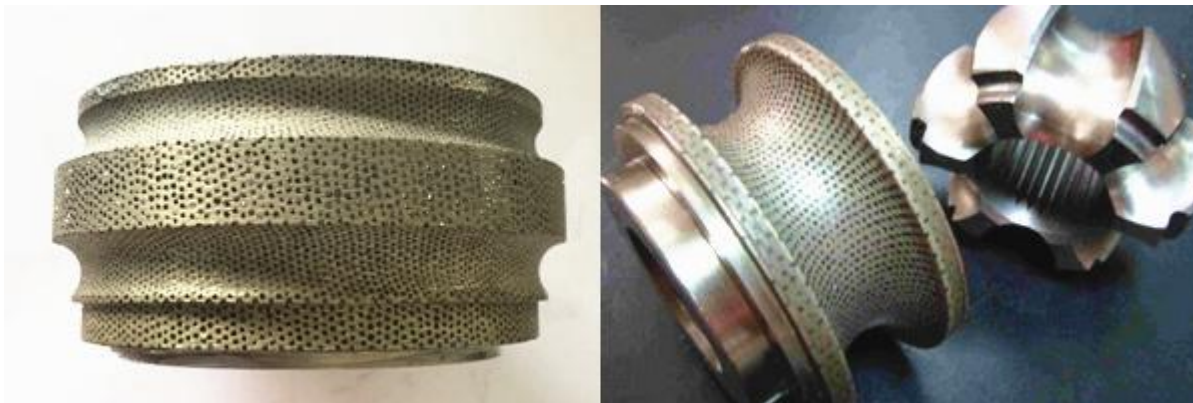
Contrail CVD sintered dressers



The basic principle is to change the original single point of the original diamond dresser into rotary dresser trimming, which is divided into swing type and fixed type according to the dressing tool dressing method. Most of the common ones are fixed, and they are moved and trimmed according to a certain trajectory to repair the partial surface.

Application industries: Automobile engine, Machinery industry, Robot parts, Vitrified CBN wheel, Flute dresser

Hand setting dressers



Here selected diamonds are applied to the negative profile by hand using an adhesive and in accordance with a defined pattern. By varying the distances between the diamond grits, it is possible to achieve the optimum arrangement of diamonds needed to ensure the required surface finish later in the workpiece.

Application industries: Turbine blade, automobile valves, crankshafts, sewing industry

Reverse Plated Dressers



The diamond grit size, selected to correspond to the smallest convex profile radius, subsequently determines the surface finish of the workpiece to be ground so that small radii and relative coarse surface qualities do not correlate. Here the diamonds are packed next to each other as densely as possible in a stochastic distribution. This is beneficial for the tool life of the roll but also leads to increased dressing forces.

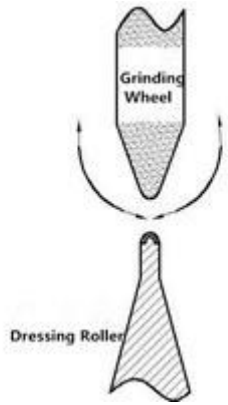
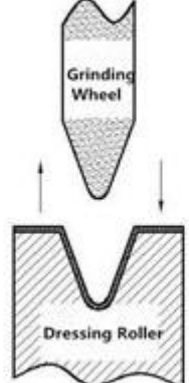
Application industries: Turbine Blade - Fir tree root form, cam grinding, bearing industry, ball joints, needle injectors

Performance Characteristics of rotary diamond dresser

Runout (mm)	Linearity(mm)	Cylindricity(mm)	Plainness flatness evenness(mm)	Profile tolerance(mm)	Dimension tolerance of length and step difference	Dimension tolerance of radius	Angular tolerance
0.004-0.002	0.005-0.002	# 0.005-0.002	0.005-0.002	0.005-0.002	L ± 0.004-0.002mm	R ± 0.004-0.002mm	A ± 2

Rotary diamond dressers are divided into profile and form rolls

depending on the type of abrasive layer profiling

	<p>Diamond Profile Dressing Rolls</p> <ul style="list-style-type: none"> * Profiling of the grinding wheel along the desired contour by moving the diamond dressing roller * The profile of the grinding wheel is created by a CNC controlled process that moves the rotating form roll along the target contour * Form rolls are not restricted to a specific workpiece but can be used flexibly
	<p>Diamond Form Dressing Rolls</p> <ul style="list-style-type: none"> * Profiling of the grinding wheel in only one operation using the plunge-cut dressing method * Usually the profile of the roll corresponds precisely to that of the workpiece * Extreme accuracy, even with highly complex profile contours

owing to fantastic assistance, a variety of high quality goods, aggressive rates and efficient delivery, we love a very good popularity among our customers. We are an energetic firm with wide market for factory Outlets for China Diamond Dressing Roller for Conventional Grinding Wheel, sincerity and strength ,always keep approved good quanlity ,welcome to our factoty for visit and instruction and business. factory Outlets for China Dressing Vitrified CBN Wheel, Dressing Diamond Rollers, With the enterprising spirit of" high efficiency, convenience, practicality and innovation", and in line with such serving guidance of "good quality but better price, " and "global credit", we have been striving to cooperate with the automobile parts companies all over the world to make a win-win partnership.