

HBC[®] system[®]

Alloy Wheel repair systems

DIAMOND CUT WHEELS,
POLISHED WHEELS,
PAINTED WHEELS,
FACTORY FINISH OEM COLORS







Fully Automated **Diamond Cut** **Alloy Wheel Repair Centre**

Fast turnaround and return on investment

The majority of new cars come with alloy wheels as standard. The options available are growing and diamond cut wheels are becoming more a more popular choice. With this growing market there is an increasing demand for diamond cut wheel repairs

The Fully Automated Diamond Cut - Alloy Wheel Repair Centre from HBC system provides you with the highest quality finish and the quickest turnaround time available.

**the latest technology for
diamond cutting alloy wheels.**



Kerb damage, break dust, chipped edges





- » Capable of repairing diamond cut alloy wheels up to 26".
- » Digital optimisation software package
- » Wheel profile storage - build a wheel library
- » Automated self-plotting probe system.
- » Analyzing wheel shape w/ touch point curve system
- » Automatic electronic pump lubrication
- » Manual chuck with soft jaws
- » Whole cast iron base
- » X & Z axis servo motors - controlled cut
- » Light and safety operating door
- » Training & technical support available
- » 15" Touchscreen controller
- » Fully CE compliant

Fully Automated Diamond Cut Alloy Wheel Repair Centre

Fast, affordable and easy to use



» Automated self-plotting probe system.

Precision machine cutting

Simple automated repair process

> mount wheel > probe > cut

for typical 18" wheel, only 2 min.

For complex wheels, 4-6 min. is sufficient



Simple, intuitive repair process

Alloy wheel probe

1. Set the start point
2. Set the end point
3. Set safe distance
save wheel name
4. Start probing *

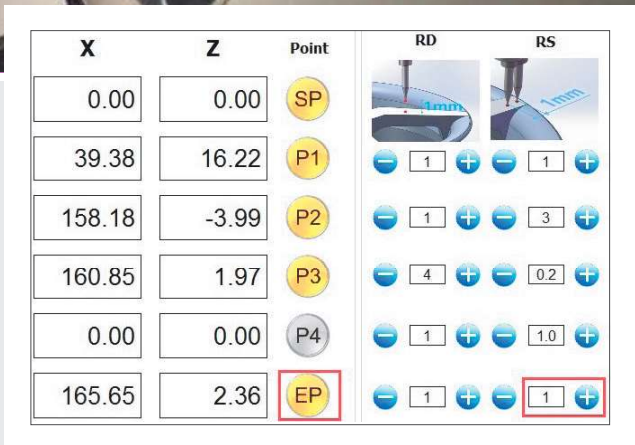
Cutting the alloy wheels

1. Open G code file
2. Set tool start point
3. Start cutting

Alloy wheel machining data

1. Open wheel file
2. Analysis
3. Create G code

* Complex wheels need to set middle point 1,2,3,4)



Technical Specifications

X axis travel	360mm	Max. Measured depth of probe	50mm
Z axis travel	500mm	X axis rapid traverse	4m/min
Max wheel diameter	660mm (26")	Z axis rapid traverse	6m/min
Jaw chuck	12" with special 3 soft jaws	Cutting feed rate range	0.005-100mm/r
Alloy wheel gripping O.D. Range	14"~26"	Machine dimensions	2100x1700x1950
Bed width	360mm	Packing Size (L x W x H) mm	2420x1800x2100
Spindle motor	5.5kw	Weight - N.W. / G.W.	2300/ 2400kg
Spindle speed	40-1800r/min		

System for painted alloy wheels



Part no. / Art. Nr.

00.532 System E3 Special
00.520 E3 system complete Mercedes
00.532 E3 system complete Renault



00.755 E Cleaner 1L



00.812 Wheel compound 1Kg



00.303K2 2K Clear Coat Aer.
00.805 1K Clear Coat Aer.



00.806 E3 gel 30g

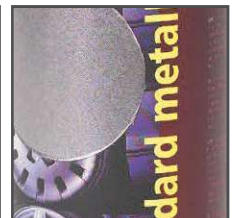
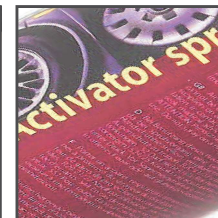
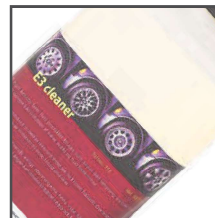
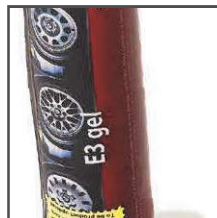


00.804 Wheel filler aerosol, 400ml

System E3 special part no. 00.532

Part no.	Description	
00.013	Palette Knife	1 pcs.
00.794	Ultra light metallic. aerosol	400ml
00.795	Light metallic. aerosol	400ml
00.796	Medium coarse metallic. aerosol	400ml
00.797	Coarse metallic. aerosol	400ml
00.798	Dark metallic. aerosol	400ml
00.799	Fine metallic. aerosol	400ml
00.823	Standard metallic. aerosol	400ml
00.824	Mat metallic. aerosol	400ml
00.755	E Cleaner	1l
00.804	Wheel filler aerosol	400ml
00.805	E Clear coat aerosol	400ml
00.807	E3 activator spray	150ml
00.806	E3 gel	30g
00.812	Wheel compound	1 kg
3010	Sanding paper	
	240 dry; 400 & 1200 Wet,	10pcs each
3011	Rim index	10 pcs.
3012	Spray Disk	10 pcs.
00.656	Complete Foam System Box	1 pcs.

00.807 E3 Activator spray 150ml



System for polished alloy wheels



System for polished aluminium rims and plastic headlights part no. 00.551



00.755 E Cleaner 1L



00.303K2 2K Clear Coat Aerosol 400ml.



00.805 1K Clear Coat Aerosol 400ml.



00.681 Brown compound



00.682 Blue finishing compound

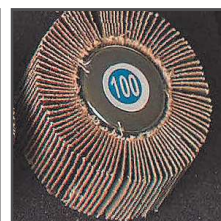
Part no.	Description	
00.090	Nitril gloves	1 pair
00.111	Finishing polish	1 pcs.
00.248	Sanding paper 400	1 sheet
00.249	Sanding paper 1200	1 sheet
00.250	Sanding paper 240 dry	1 sheet
00.303K2	2K Clear Coat Aerosol	400ml.
00.656	System Box	1 pcs.
00.677	Air sander incl nozzle	1 pcs.
00.678	Heavy duty wheel flop	1 pcs.
00.679	Mobs to brown compound	3 pcs.
00.680	Finishing mobs blue	4 pcs.
00.681	Brown compound	1 pcs.
00.682	Blue finishing compound	1 pcs.
00.683	Heavy duty sander flop	3 pcs.
00.246	Polishing cloth	1 pcs.
00.755	E Cleaner	1L
00.805	1K Clear Coat Aerosol	400ml.



00.679 Mobs to brown compound
00.680 Mobs to blue finishing compound

Accessories

Part no.	Description	
00.248	Sanding paper 400 wet	10 pcs.
00.249	Sanding paper 1200 wet	10 pcs.
00.250	Sanding paper 240 dry	10 pcs.





HBC system is introducing the latest WATERBASED paint system for refinishing ALLOY wheels

The most advanced, easy to use Alloy Wheel Paint System on the market!

4th Generation Water Borne technology. Using the latest world wide available pigments and resins of the highest quality.

Excellent technology. Shake and pour technology with no need for stirring, saving time for the operator.

High dry film thickness. Material is flattable and has superb re-workability, solvent like properties where the paint does not roll on the edges, making this a USP which allows the operator to flat the area, again saving time.

Fast drying. Offers increased in productivity and greater material durability, saving time and increasing profitability.

Superb opacity. Less coats required to achieve full colour reproduction, due to high quality pigments and concentration of pigments, again produces quality results and increases productivity and less volume of paint is required.

Fully compliant. Meets the needs and requirements of the latest environmental legislation.

Vehicle manufacturer colour matched. All colours are matched to exacting standards giving fantastic results. This eliminates the risk of colour mis-match and repainting the wheel, allowing the operator to paint one wheel on the car rather than 2 on the same side to match the colour.

Wheel paints are also matched to non particulate super bright (chromes) not available on car schemes offering a unique technical advantage, which means you can cover most wheels in the market.

Aerosols are Toulene Free which is a major advantage in terms of Health & Safety as Toulene is carcinogenic

Alloy Wheel Paint System

Designed in conjunction with OEM vehicle manufacturers the system provides:

Original; factory matched colours including all leading manufacturers such as Ford , VW/AUDI, Mercedes, Honda, Porsche etc

- **Chrome effect colours**
- **Fast drying**
- **Easy to apply**
- **No special equipment required available in aerosol or applied by spray gun**
- **Fully compliant**
- **Easy to sand between coats, non-clogging**



The HBC Alloy Wheel Paint System is a must for anyone looking to produce a factory finish repair - first time!

system

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Alloy Wheel Repair

Part no.	Product name	Wheel Paint System Content
00.951	Glitter Antracite, Most common colour used	
00.953	Audi Standard Chrome, A3 and A5 series wheels	
00.954	Audi Speedline Chrome, Used on A5 model	
00.955	Super Chrome, Found on German brands	
00.956	Felgin Silver, Fine/ Dull effect silver	
00.957	M3 Antracite, BMW/VW and Fiat 670F Cinza	
00.958	Glitter Silver, 3rd Most popular Silver. Also on caravan wheels	
00.959	Ferrari Silver	
00.960	Ferrari Chrome, Applied over Grey or Black basecoat	
00.961	Fine Silver, Found on many marks - mostly Ford	
00.966	Alfa Chrome, Semi Matt clearcoat to match OEM effect	
00.968	Coarse Sparkle Silver. Multiple use	
00.969	Antracite, VW. Multiple use	
00.978	Mercedes Light antracite. New popular color	
00.980	VW Chrome, Must be applied over Grey or Black basecoat.	
00.981	Carbon Charcoal, Audi, Matt coat over top.	
00.982	Standard Silver, Used by many Japanese vehicle marks	
00.983	Chrome, Most Popular multi chrome effect used	
00.985	Very fine Silver, Bright/Coarse effect. Good general silver	
00.986	Grey Silver, Very fine Silver effect	
00.988	Dark Antracite, Standard shade	
00.990	Basecoat - black	
00.991	Basecoat - grey	
00.992	Wheel clear coat	
00.993	Hardener for wheel clear coat	
00.994	Wheel filler	
00.999	Wheel colour swatches	
Step by step guides, videos and manuals		www.hbc-system.com

HBC System guarantees all alloy wheel repairs for a minimum of 5 years*



* Provided all instructions have been followed