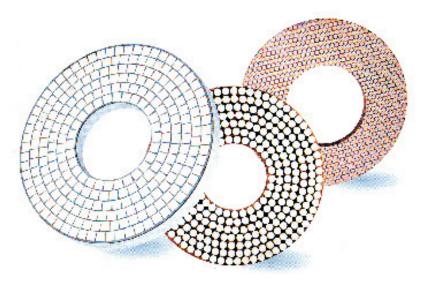


## FINE GRINDING WHEELS



- O FASTER MATERIAL REMOVAL RATES
- O FINER FINISHES
- O BETTER FLATNESS CONTROL
- O MORE CONSISTENT PROCESS CONTROL
- O VERY COMPETITIVE PRICING
- O Lapmaster International's full line of super-abrasive (CBN or Diamond) fine grinding wheels easily adapt to all brands of fine grinding machines and many types of conventional single and double side lapping systems. The fine grinding process produces flat lapping quality on a variety of materials without the expense and "mess" associated with lapping. Fine grinding using Lapmaster supplied fine grinding wheels produces material removal rates are up to 20 times faster than lapping. Our special vitrified and resin bonds combined with our use of the highest quality most closely graded super abrasive powders means consistent quality for all parts ground on Lapmaster supplied fine grinding wheels.
- O Vitrified wheels are supplied with configurations comprised of round, square or hexagonal pellets applied to steel backup wheels. Pellet type wheels are available with spaces (grooves) between the pellets or with the inter-pellet spaces filled to provide a smooth surface. Segmented wheels which appear as a solid grinding surface are also available. Grinding surface pattern, abrasive particle size, bond and thickness of grinding media are all customized for your specific application. Vitrified bonds are the longest lasting and easiest to control for flatness.
- Our resin bond wheels are provided with a solid segmented grinding surface. This surface can be either serrated or plain depending on the application. Resin wheels are suited for applications where minimal material removal and fine surface finish are required.
- A variety of wheel diameters are available to suit your single side or double side fine grinding needs. Lapmaster fine grinding technicians are available to determine wheel specifications best suited for your specific application(s). Send for our Lapmaster fine grinding wheel questionnaire.



## CBN & DIAMOND WHEEL FINE GRINDING APPLICATIONS SPECIFICATIONS

<1µm for Ø35	70µm/min		0.05mm				DIA1000	VIIOY
<1.5µm for Ø35	100µm/min		0.1mm	0.20 Ra	Round	DIAMOND	DIA800	Aluminum and
<3µm for Ø35	300µm/min		0.4mm		lexcigona		DIA230	Brass, Copper,
<3µm for Ø40	150µm/min		0.6mm	0.60 Ra	Hexagonal Round	DIAMOND	DIA1000	Plastics, PPS, Vincollte, PVC
<1µm for Ø40	60µm/min		0.2mm	0.20 Ra			DIA1200	
<1.5µm for Ø40	100µm/min		0.3mm	0.40 Ra	Round	0.20	DIA800	Conson
<2µm for Ø40	200µm/min		0.4mm	0.60 Ra	Hexagonal		DIA400	Carbon
<3µm for Ø40	400µm/min		0.6mm	0.80 Ra			DIA230	
<1µm for Ø20	100µm/min		0.20mm	0.20 Ra	ROUNG		DIA270	PCD/PCD Insert
<2µm for Ø20	200µm/min		0.35mm	0.35 Ra	D. Constant	DIAMOND	DIA230	Carbide/Cerniet/
<3µm for Ø20	300µm/min		0.6mm	0.60 Ra	Horanona		DIA140	Tungsten
<3µm for Ø30	100µm/min	8 Mohs	0.5mm	0.50 Ra	Hexagonal Round	DIAMOND	DIA100	Silicon Nitride
<2µm for Ø30	200µm/min 125µm/min	9 Mohs	0.3mm	0.20 Ka 0.12 Ra	Round	DIAMOND	DIA325	SIC
	200			2			71333	
<2µm for Ø51 <1.5µm for Ø51	200µm/min 80um/min		0.4mm	0.40 Ra	Hexagonal	DIAMOND	DIA400 DIA800	Quartz
<1µm for Ø35	15µm/min		0.030mm	0.08 Ra			DIA1500	
<1.5µm for Ø35	30µm/min		0.1mm	0.20 Ra	Round	0.5000	DIABOO	amplant
<2µm for Ø35	50µm/min	8-9 Mohs	0.2mm	0.30 Ra	Hexagona		DIA400	Sandire
<3µm for Ø35	100µm/min		0.5mm+	0.60 Ra			DIA200	
<1.5µm for Ø35	100µm/min		0.10 mm	0.35 Ra	Kound		DIA400	Seals
<3µm for Ø35	300µm/min	8-9 Mohs	0.3-0.4 mm	0.60 Ra	Пехадопа	DIAMOND	DIA200	Water Pump
								AI2O3 Sintered
<1.5µm for Ø70	Süµm/min 25µm/min	HRC	0.3 mm 0.05 mm	0.40 Ra 0.20 Ra	Round	CBN	CBN230 CBN30/40	H55
<1.5µm for Ø150	30µm/min			0.20 Ra	Round		CBN30/40	100Cr6 - SCM
<2µm for Ø150	60µm/min	63 HRC	0.3 mm 0.03	0.40 Ra	Hexagona	Caz	CBN230	Bearing Steel
<1.5µm for Ø90	35µm/min	HRC	mm	0.20 Ra	Round	Cold	CB30/40	SK5
<3µm for Ø90	uju/mrlg9	58-62	0.3 mm 0.05	0.40 Ra	Hexagonal	125	CBN230	Carbon Steel
<1.5µm for Ø30	35µm/min	HRC	mm	0.20 Ra	Round	CSIA	CBN30/40	ICr,Mo)
<3µm for Ø30	nim/mulga	58-62	0.4 mm 0.05	0.40 Ra	Hexagonal	145	CBN230	SCM415
C FLATNESS ACCURACY	STOCK REMOVAL RATE	HARDNESS	TOTAL STOCK REMOVAL	ROUGHNESS	PELLET TYPE	TYPE OF ABRASIVE	WESH SIZE	MATERIAL