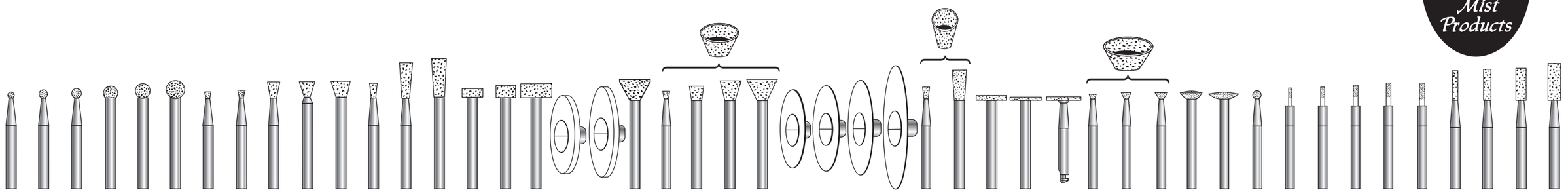
VARENKOR®

DIAMOND BUR COLLECTION

PO Box 4215
Morgantown, WV 26504-4215

Mountain Mist Products



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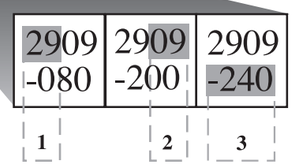
28					2801 -037						2805 -050						2809 -080		2809 -240					2814 -190	2814 -220	2814 -240																			
29																	2909 -080	2909 -200	2909 -240																										

GRIT AND USAGE CHART

	SERIES	COLOR CODE	GRAIN/GRIT	USAGE	APPLICATION
14	1400	Dk. BLUE	EXTRA FINE/600	PREPOLISH	GEMSTONE
16	1600	BLACK	FINE/325	FINE POLISH/ PREPOLISH	PORCELAIN
17	1700	BLUE	MEDIUM/200	FINE DETAIL	PORCELAIN
18	1800	WHITE	COARSE/120	COARSE GRINDING	PORCELAIN
21	2100	GREEN	MEDIUM/170	ALL MATERIALS	ALL MATERIALS
24	2400	NONE	FINE MEDIUM/170	GOLD, SILVER	GOLD, N/C
25	2500	GRAY	COASRE/120	GEMSTONES, QUARTZ	N/C FOR CERAMIC
27	2700	YELLOW	MEDIUM/170	METALS	N/C AND C/C
28	2800	RED	VERY COARSE/80	BULK REDUCTION, METALS	C/C
29	2900	PURPLE	SUPER COARSE/60	METALS	TITANIUM, C/C, N/C



1. Series Information: i.e., grit size, matrix
2. Bur shape number: i.e., 09 = wheel shape
3. Diameter of bur in tenths of mm i.e., 24mm

Dealerships Available

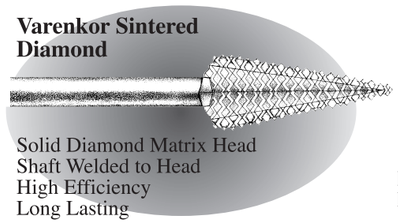
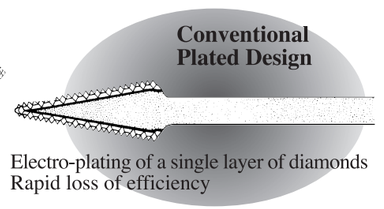
Please Call

304-291-0705 or 800-735-2877

VISA and MC Accepted

SINTERED VS INDUCTION

Diamond **SINTERING** is a process of manufacturing which incorporates extreme heat and pressure to bring about the cohesion of diamond particles and a metallic binder material. Each **Varenkor Sintered Diamond Instrument** is processed under tons of pressure and thousands of degree temperatures. Processed without oxygen, the sintering procedure takes over 12 hours. **Varenkor** exclusively uses GE Superabrasives (man made diamonds) and five, different, non-contaminating binders. The results are *solid matrix instruments* of exceptional strength, which then are welded onto copper plated shank tips, and are finally finished and trued by computer machining. Guaranteed to satisfaction, each **Varenkor** instrument has a solid, non-contaminating matrix which offers an aggressive and clean cut throughout the life of the instrument.

In comparison, many other so called sintered diamonds are manufactured through a three minute **INDUCTION** process in which the matrix is compressed under only a few kilograms of pressure per square centimeter directly onto the shank (and often times on a blank shape) where it is then welded together. This faster manufacturing process produces a more porous and a weaker sintered diamond amalgam. The resulting instruments usually have uneven wear characteristics, easily clog, leave black marks, and are inefficient at grinding harder materials such as tourmaline or sapphire.

V A R E N K O R manufactures only the highest quality, truly sintered, solid matrix instruments.