Partial Denture System

MG-Vest
MG-Vest draws on today's technology to offer you a true rapid cast phosphate partial investment. Unlike other partial investments MG-Vest does not require any messy liquids or solutions to produce a high quality partial denture. With MG-Vest refractory models will be smooth and ready for waxing as soon as 30 minutes after being poured. Once waxing is completed the cylinder can be poured and remain on the bench for a minimum of 15 minutes.

When the bench set is completed the cylinder can be placed directly into a hot oven at temperatures up to 1950° F. However with MG-Vest rings can be allowed to sit on the bench for hours or days until you are ready to cast them. Once the ring has preheated for the appropriate time, usually 1 hour, it is ready to be cast. Devesting is very light and there will be no need for extensive finishing time. Framework will be of unsurpassed accuracy and it was all completed in less than 2 hours, requiring far less preparation and finishing time. This allows for an increase in productivity thorugh flexible casting procedures.

NV-Sil
NV-Sil has been formulated to meet the needs of all demanding laboratories. Use NV-Sil in coordination with MG-Vest to obtain the absolute best results from your work. It has a smooth consistency and can be poured with minimal vibration to obtain bubble free duplications. Once poured the silicone is absolutely precise and renders exact duplications of models. It has a shore hardness of 23.

Chroloy
Chroloy offers the ideal combination of strength and flexibility. It requires the ideal melting temperature for casting partials with a phosphate investment such as MG-Vest. Like all N&V alloys it does not require extensive heating to melt and flows quite easily. The shorter heating time allows for very little oxide buildup which results in far less finishing time.

Chroloy Composition Co:64% • Cr:29% • Mo:6.5%

Chroloy Physical Properties

Melting range : 1346°C [2454°F] – 1425°C [2597°F]

Percent of elongation : 6%

Vickers Hardness [HVN] : 370 HV10

Modulus of elasticity : 207 GPa

Yield strength : 525 MPa

Density : 8.2 g/cm3

Maximum tensile strength : 616 MPa

Conditioning :	MG-Vest	NV-Sil	Chroloy
	45 x 400 g / 1 l	2 x 1 kg	1 x 500 g
	No. 0145500	No. 300400	No. 100100