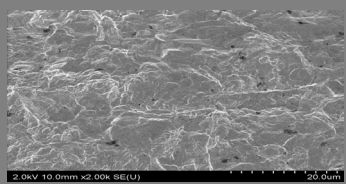
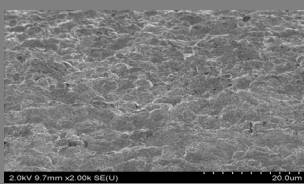
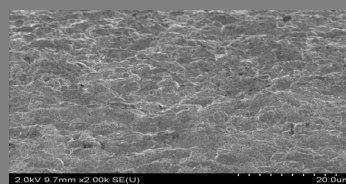
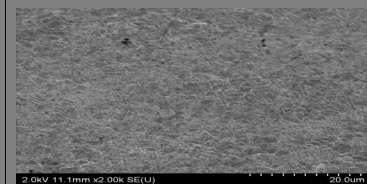


Different VG compatible stencil blanks

Parameter	PHD Stainless Steel	Fine Grain Stainless Steel	Fine Grain Stainless Steel	Fine Grain + Premium Stainless Steel
Material provider	Datum Alloys / ASMPT	Datum Alloys / ASMPT	Nippon Gokin / Centrix	Nippon Gokin / Centrix
Material type	304 PHD	304	304H	301L FG+
Corner blocks	black	yellow	yellow	purple
Chemical composition				
Carbon (C) %	0.07	0.08	0.08	0.03
Manganese (Mn) %	2.00	2.00	2.00	2.00
Silicon (Si) %	1.00	1.00	1.00	1.00
Phosphorous (P) %	0.045	0.045	0.045	0.04
Sulphur (S) %	0.015	0.03	0.03	0.03
Chromium (Cr) %	17.50-19.50	18.00-20.00	18.00-20.00	17.00-18.00
Nickel (Ni) %	8.00-10.50	8.00-10.50	8.00-10.50	6.50-8.00
Iron (Fe) %	Balance	Balance	Balance	Balance
Nitrogen (Ni) %	0.10	0.10	0.10	0.10-0.16
Niobium (Nb)	0.00	0.00	0.00	0.03-0.10
Material parameters				
Material hardness (HV)	≥ 370	≥ 370	370-410	≥ 370
Yield Strength (MPa)	unknown	unknown	≥ 800	≥ 745
Tensile Strength (MPa)	unknown	unknown	≥ 1050	≥ 1030
Elongation %	unknown	unknown	≥ 5	≥ 5
Grain size (µm)	7-11	2-5	2-5	≤ 2
Thickness available (µm)	80, 90, 100, 110, 120, 130, 140, 150, 180, 200, 250, 300	80, 90, 100, 110, 120, 130, 140, 150, 180, 200, 250	80, 90, 100, 110, 120, 130, 140, 150, 160, 180, 200, 250, 300	80, 90, 100, 110, 120, 130, 140, 150, 160, 180, 200, 250
Thickness tolerance	2%	2%	2%	2%
Area Ratio window	>0.66	>0.55	>0.55	>0.50
Sheet width max	690.9mm	610mm	610mm	610mm
Apertures size tolerance	±5 µm	±5 µm	±5 µm	±5 µm
 Stencil printing expertise. Centred on your needs.	 2.0kV 10.0mm x2.00k SE(U) 20.0um	 2.0kV 9.7mm x2.00k SE(U) 20.0um	 2.0kV 9.7mm x2.00k SE(U) 20.0um	 2.0kV 11.1mm x2.00k SE(U) 20.0um