

# S & D MATERIALS

OPTICAL PARTS AND SEMICONDUCTOR SOLUTIONS

## FERROFLUID SEAL ASSEMBLIES for SEMICONDUCTOR MFG TOOLS

Low Pricing ▪ OEM Components ▪ Fast Turnaround

S&D Materials sells, repairs and overhauls over two dozen standard assemblies - spindles, feedthroughs, rotary gas unions - for semiconductor mfg equipment from TEL, Varian, AMAT, Novellus & Axcelis used in Diffusion, Ion Implantation & CVD. We also repair and rebuild custom ferrofluid seals from Ferrotec, Rigaku, EKK and others. We can also retrofit many T-seal type assemblies to ferrofluidic designs.

By using only OEM components and high-quality magnetic fluids, S&D has earned a reputation as a consistent, reliable, responsive service provider. We deliver world-class quality ferrofluidic solutions while keeping prices down and lead times short.



PROCESS AREA	WAFER SIZE	TOOL	MODEL	P/N*	NEW	REPAIR	SWAP
DIFFUSION	8"	TEL	8"	024-015804-1	X	X	X
	12"	TEL	12"	MJ3-057110-A	X	X	X
		TEL	12"	DS-024-018194-1	X	X	
		TEL	12"	2124-000009-11	X	X	
		KE (EKK or KOK)	12"	5UOT189822 5UOT165699	X	X	
IMPLANTATION	8", 12"	Varian	Vista 80	E19014090 E19014091		X X	
	8"	Varian	Vision 80 (Rotate Mass Slit)	E19003081 E19013080	X X	X X	
		Varian	EHP (Rotate Mass Slit)	E19288020 (RH) E19288010 (LH)	X X	X X	
		Varian	3180, 3290	52-116533E			X
		Varian	Vision80 / E1000	E41000136	X		
		Varian	8"	E17129050			X
		Varian	Rotary Union (not ferrofluidic)	E12103160 (LH) E12103170 (RH)			X X
		Varian	Vision 80/ E1000 Drive shaft assy, Main	E19000940			X
		Axcelis	NVGSD (EHE 2)	1188490			X
	12"	Axcelis	HE 3	11029090			X
CVD	8"	Novellus	Concept 2	02-106507-00	X	X	
		AMAT	Centura	Modification		X	X
		AMAT	P-5000	Modification		X	X
	12"	Novellus	Concept 3, Vector	02-252432-00			Overhaul

\* NOTE: Some models may have a different P/N, or multiple P/N's may be used for the same model.

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