

NEXT GENERATION

ELITE SLS SYSTEMS BY TPM

Build tough end-use functional parts

TPM ELITE P series of selective laser sintering 3D Printers produce high quality, tough end-use parts in plastic or alumide.



PRINTING
SYSTEMS

www.3DPrintingSystems.com

TPM

www.TrumpSystem.com

TPM ELITE P series of Selective Laser Sintering (SLS) systems produce high quality, tough end-use plastic, flexible or alumide parts.

Parts can be used for accurate prototyping, vacuum forming and investment casting. Also produce functional parts with a high strength and high quality surface finish.

When it comes to Additive Manufacturing, the technology of choice is Selective Laser Sintering (SLS) as it offers:

- ▶ **Hassle free builds.** There is no need to worry about support material as parts are supported by the powder during the build process.
- ▶ **No post-curing required.** Parts can flex, snap lock or be made with living hinges.
- ▶ **SLS is economical** to use with fast build times.

BENEFITS OF SLS

- ▶ High accuracy down to 0.13mm
- ▶ Tool-less production
- ▶ Wide range of materials offered
- ▶ High heat deflection temperatures
- ▶ Snap fits and living hinges
- ▶ Multiple models per print run

UP TO 99% OF USED SUPPORT MATERIAL CAN BE REUSED

ELITE SLS MATERIALS

NYLON PA12	Nylon 12 with a good resistance to chemicals
NYLON PA12 FLEX	Nylon 12 Elastomer Rubber-like
NYLON PA12 GLASS	Glass filled Nylon with excellent stiffness
NYLON PA12 ALUMIDE	Aluminium filled Nylon; machinable and rigid



SLS

TPM ELITE SLS

	BUILD VOLUME mm	LAYER THICKNESS mm	CO ₂ LASER POWER	BUILD SPEED mm/hr	LASER SPOT mm	MAX SCANNING SPEED mm/sec	SLICING SOFTWARE
P3200	320 x 320 x 600	0.13 / 0.15 / 0.18	CO ₂ 60W	10 to 25	0.25	13,000	VISCAM
P3600	360 x 360 x 600	0.13 / 0.15 / 0.18	CO ₂ 80W	10 to 25	0.30	15,000	VISCAM
P4800	480 x 480 x 600	0.15 / 0.18	CO ₂ 100W	10 to 25	0.40	21,000	VISCAM
P5500	550 x 550 x 600	0.15 / 0.18	CO ₂ 100W	10 to 25	0.40	21,000	VISCAM

ELITE SLS RAPID MANUFACTURING