LINX LASER SUB-TECHNOLOGY COMPATIBILITY

This guide provides general information on laser marking compatibility with various substrates.
For confirmation of results and to determine the best laser technology for your specific product, we recommend conducting sample marking tests.

Key:
● Excellent ● Good ● Difficult

MATERIAL GROUP	SPECIFIC SUBSTRATES	CO2 Laser	Fibre Laser	UV Laser
PLASTICS* *The results for fibre laser are dependent on the plastic colourant.	Acrylonitrile Butadiene Styrene (**ABS**)	●	●	●
	Polyvinyl Chloride (**PVC**)	●	●	●
	Polyethylene Terephthalate (**PET**)	●	●	●
	Polycarbonate (**PC**)	●	●	●
	Polypropylene (**PP**)	●	●	●
	Polyethylene (**PE**)	●	●	●
	Low-Density Polyethylene (**LDPE**)	●	●	●
	High-Density Polyethylene (**HDPE**)	●	●	●
	Polystyrene (**PS**)	●	●	●
	Acrylic (Polymethyl Methacrylate, **PMMA**)	●	●	●
	Polyamide (**PA**, Nylon)	●	●	●
	Polybutylene Terephthalate (**PBT**)	●	●	●
PLASTICS FILMS AND FOILS *The results for fibre laser are dependent on the plastic films and foils colourant.	Polyethylene Terephthalate Films (**PET Films**)	●	●	●
	Polypropylene Films (**PP Films**)	●	●	●
	Polyethylene Films (**PE Films**)	●	●	●
	Polyester (**PETG**) Films	●	●	●
	Biaxially Oriented Polypropylene (**BOPP**)	●	●	●
	Oriented Polypropylene (**OPP**)	●	●	●
	Metallised Foils (Aluminium)	●	●	●
	Polyamide (**Nylon**) Films	●	●	●
	Cellophane	●	●	●
	Mono-Polypropylene Films (**Mono-PP Films**)	●	●	●
	Mono-Polyethylene Films (**Mono-PE Films**)	●	●	●
	Mono-Polyethylene Terephthalate Films (**Mono-PET Films**)	●	●	●
METALS	Aluminium	●	●	●
	Stainless Steel	●	●	●
	Anodised Aluminium	●	●	●
	Brass	●	●	●
	Copper	●	●	●
	Titanium	●	●	●
GLASS/CERAMICS	Glass	●	●	●
	Ceramics	●	●	●
LEATHER/TEXTILES	Leather	●	●	●
	Synthetic Fabrics	●	●	●
	Cotton, Wool	●	●	●
WOOD	Plywood, MDF	●	●	●
	Hardwoods	●	●	●
	Softwoods	●	●	●
RUBBER	Natural Rubber	●	●	●
	Synthetic Rubber	●	●	●
STONE/MARBLE	Stone, Marble	●	●	●
SILICONE	Medical Silicone Tubes	●	●	●
	Industrial Silicone	●	●	●
FOOD AND VEGETABLES	Fruits	●	●	●
	Vegetables	●	●	●

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