60-Watt Laser Parameters

CUTTING

Laser head: Standard Head (2")

Materials	Thickness (mm)	Speed (mm/s)	Max Power
MDF	2.3	15	90
Acrylic	2.7	14	90
Acrylic	5.0	9	90
Acrylic	10.0	3	90
Foam	17.0	6	90
Plywood	2.0	50	90
Plywood	4.5	15	90
Cardboard	6.5	30	90
Cloth	0.2	300	22
Leather	1.5	16	90
Rubber	4.0	4	90
Double Color Boards	1.5	20	90
Bamboo	7.0	6	90
Paper	0.1	200	20
Kraft paper	0.5	100	90
Plastics	/	/	90
Taekwondo Wood	8.0	6	90
Glass	/	/	/
Granite	/	/	/
Marble	/	/	/
Ceramic Cup	/	/	/
Rostone	/	/	/
Anodized Aluminum	/	/	/
Grip Tape	/	/	/

ENGRAVING

Laser head: Standard Head (2")

Materials	Speed (mm/s)	Max Power	Interval (mm)
MDF	400	22	0.08
Acrylic	450	20	0.08
Bamboo	400	18	0.08
Plywood	400	20	0.08
Cardboard	400	16	0.08
Paper	500	15	0.08
Painted Aluminum	400	22	0.08
Cherry Wood	500	20	0.08
Anodoized Aluminum	500	25	0.08
Plastic	500	25	0.08
Glass	500	36	0.08
Kraft paper	500	15	0.08
Leather	500	18	0.08
Cloth	500	18	0.08
Rubber	500	70	0.06
Metal	500	/	0.08
Double Color Boards	500	18	0.08
Granite	500	35	0.08
Marble	500	35	0.08
Ceramic Cup	500	35	0.08
Rostone	500	35	0.08
Grip Tape	500	22	0.08
Taekwondo Wood	500	20	0.08

CUTTING

Laser head: 4" Laser Head

Materials	Thickness (mm)	Speed (mm/s)	Max Power
MDF	2.3	10	90
Acrylic	2.7	12	90
Acrylic	5.0	8	90
Acrylic	10.0	2	90
Acrylic	/	/	90
Foam	17.0	7	90
Plywood	2.0	40	90
Plywood	4.5	16	90
Cardboard	3.0	20	90
Cloth	0.3	300	60
Leather	1.5	8	90
Rubber	4.5	4	90
Double Color Boards	1.5	19	90
Bamboo	7.0	7	90
Paper	0.1	300	40
Kraft paper	1.0	100	90
Plastics	/	/	90
Taekwondo Wood	8.0	13.0	90
Cherry Wood	14.8	3	90

ENGRAVING

Laser head: HR laser head

Materials	Speed (mm/s)	Max Power	Interval (mm)
MDF	400	20	0.06
Acrylic	350	22	0.06
Bamboo	400	18	0.06
Plywood	500	20	0.06
Cardboard	400	15	0.06
Paper	500	15	0.06
Painted Aluminum	400	20	0.06
Cherry Wood	500	20	0.06
Anodized Aluminum	500	25	0.06
Plastic	500	25	0.06
Kraft paper	500	16	0.06
Leather	500	20	0.06
Cloth	500	20	0.06
Rubber	500	60	0.06
Double Color Boards	400	22	0.06
Granite	500	30	0.06
Marble	500	30	0.06
Ceramic Cup	500	30	0.06
Rostone	500	30	0.06
Grip Tape	500	28	0.06

Řezání a gravírování různých plastů

Materiál	Zkratka	Obchodní název
Polyamide	PA	Kevlar®, Nylon®
Polyoxymethylene	POM	Delrin®
Polyester	PES	Thermolite®, Polarguard®
Polyethylene terephthalate	PET	Mylar®
Polyimide	PI	Kapton®
Polystyrene	PS	
Polymethyl-methacrylate	PMMA	Plexiglas®
Polycarbonate	PC	Lexan®, Makrolon®
Polypropylene	PP	
Acrylonitrile butadiene styrene co-polymerisate	ABS	

Please note: All materials are different. These are general suggestions and starting places