

Please do not directly engrave reflective materials to avoid damaging the laser module. For reflective materials, the surface needs to be painted black before engraving.

Model	Material	Action	Thickness	Power	Power in LaserGRBL	Speed mm/min	Cycles	Remarks
LONGER RAY5 40W	Bamboo	Engrave	-	0.5	500	10000	1	
LONGER RAY5 40W	Cardboard (carton)	Engrave	-	0.4	400	10000	1	
LONGER RAY5 40W	Hardwood	Engrave	-	0.4	400	10000	1	
LONGER RAY5 40W	Eraser	Engrave	-	0.7	700	5000	1	
LONGER RAY5 40W	Ceramic	Engrave	-	0.8	800	4000	1	
LONGER RAY5 40W	Pine wood	Engrave	-	0.5	500	10000	1	
LONGER RAY5 40W	Leather	Engrave	-	0.3	300	10000	1	
LONGER RAY5 40W	Denim	Engrave	-	0.3	300	10000	1	
LONGER RAY5 40W	Kraft paper	Engrave	-	0.1	100	6000	1	
LONGER RAY5 40W	Mirror	Engrave	-	0.6	600	10000	1	
LONGER RAY5 40W	High density foam	Engrave	-	0.15	150	10000	1	
LONGER RAY5 40W	Black Powder Coated Metal	Engrave	-	1	1000	300	1	
LONGER RAY5 40W	Cobblestone	Engrave	-	0.6	600	5000	1	
LONGER RAY5 40W	Basswood	Engrave	-	0.3	300	10000	1	
LONGER RAY5 40W	Electroplated aluminum	Engrave	-	0.6	600	6000	1	Purple or pink color.
LONGER RAY5 40W	Stainless Steel	Engrave	-	0.8	800	10000	1	
LONGER RAY5 40W	Glass	Engrave	-	0.5	500	3000	1	Paint blue
LONGER RAY5 40W	Black acrylic	Engrave	-	0.3	300	10000	1	
LONGER RAY5 40W	Translucent Acrylic	Engrave	-	0.25	250	2500	1	Orange color.
LONGER RAY5 40W	PCB copper plate	Engrave	-	0.9	900	5000	1	

LONGER RAY5 40W	MDF	Engrave	-	0.35	350	10000	1	
LONGER RAY5 40W	Cardboard (carton)	Cut	3mm	1	1000	6000	1	
LONGER RAY5 40W	Acrylic	Cut	3mm	1	1000	500	1	
LONGER RAY5 40W	Acrylic	Cut	10mm	1	1000	130	2	
LONGER RAY5 40W	Acrylic	Cut	15mm	1	1000	100	2	Defocus 10mm
LONGER RAY5 40W	Non-woven fabric	Cut	0.18mm	1	1000	6000	1	
LONGER RAY5 40W	Pine wood	Cut	15mm	1	1000	150	1	Defocus 2mm
LONGER RAY5 40W	Pine wood	Cut	20mm	1	1000	200	1	Defocus 2mm
LONGER RAY5 40W	Leather	Cut	0.5mm	1	1000	7000	1	
LONGER RAY5 40W	Paulownia wood	Cut	15mm	1	1000	350	1	Defocus 2.5mm
LONGER RAY5 40W	Paulownia wood	Cut	20mm	1	1000	300	1	Defocus 2.5mm
LONGER RAY5 40W	Paulownia wood	Cut	25mm	1	1000	200	1	Defocus 10mm
LONGER RAY5 40W	Denim	Cut	0.5mm	1	1000	3500	1	
LONGER RAY5 40W	Kraft paper	Cut	0.1mm	1	1000	18000	1	
LONGER RAY5 40W	Basswood	Cut	2mm	1	1000	1800	1	
LONGER RAY5 40W	Basswood	Cut	3mm	1	1000	1400	1	
LONGER RAY5 40W	Basswood	Cut	5mm	1	1000	900	1	
LONGER RAY5 40W	Basswood	Cut	6mm	1	1000	600	1	
LONGER RAY5 40W	Basswood	Cut	8mm	1	1000	270	1	Defocus 2.5mm
LONGER RAY5 40W	Basswood	Cut	9.5mm	1	1000	450	1	Defocus 2.5mm
LONGER RAY5 40W	Basswood	Cut	15mm	1	1000	150	1	Defocus 2.5mm
LONGER RAY5 40W	Basswood	Cut	20mm	1	1000	100	1	Defocus 10mm
LONGER RAY5 40W	Hardwood	Cut	11mm	1	1000	250	1	Defocus 2.5mm

LONGER RAY5 40W	Stainless Steel	Cut	0.05mm	1	1000	3000	1	
LONGER RAY5 40W	Stainless Steel	Cut	0.1mm	1	1000	500	1	
LONGER RAY5 40W	Stainless Steel	Cut	0.15mm	1	1000	100	1	
LONGER RAY5 40W	MDF	Cut	5mm	1	1000	700	1	Defocus 2.5mm
LONGER RAY5 40W	MDF	Cut	12mm	1	1000	500	5	Defocus 2.5mm
LONGER RAY5 40W	Basswood	Cut	40mm	1	1000	300	20	Defocus 10mm
LONGER RAY5 40W	Acrylic	Cut	50mm	1	1000	300	22	Defocus 10mm
LONGER RAY5 40W	Pine wood	Cut	30mm	1	1000	100	3	Defocus 10mm