

# Genmitsu Kintix 5W Galvo Laser Engraving Reference Chart

## Engraving

Materials	Power	Speed(mm/min)	Laser Mode	Interval(mm)
Kraft paper	70%	8000	M4	0.1
Plywood	100%	8000	M4	0.1
Solid wood	100%	8000	M4	0.1
Bamboo board	100%	8000	M4	0.1
Cork	70%	8000	M4	0.1
Transparent acrylic (blackened)	45%	8000	M4	0.1
Glass (blackened)	70%	8000	M4	0.1
White leather (blackened)	50%	8000	M4	0.1
White silicone (blackened)	100%	8000	M4	0.1
Pebbles (blackened)	100%	8000	M4	0.1
Ceramic, beige gray (blackened)	100%	8000	M4	0.1
Blue anodized aluminum	70%	8000	M4	0.1
Stainless steel (blackened)	100%	2500	M4	0.1
White felt (blackened)	70%	8000	M4	0.1

## Cutting

Materials	Power	Speed(mm/min)	Laser Mode	Cutting times
Plywood 3mm	100%	170	M3	3
Wooden board 3mm	100%	140	M3	2
Black acrylic 2mm	100%	140	M3	1
Kraft paper 0.5mm	100%	350	M3	1
Felt (black) 3.5mm	100%	200	M3	2
Leather 1mm	100%	1000	M3	1
Colored PVC plastic sheet 0.2mm	100%	300	M3	1
Denim fabric 0.5mm	100%	600	M3	1

### Notes

\* **M4** (Dynamic Power Mode): The laser power dynamically adjusts based on the speed of the laser head. It reduces power when slowing down (like at corners) to prevent over-burning. Best for engraving detailed images and text.

\* **M3** (Constant Power Mode): The laser output remains constant regardless of the movement speed. This ensures a consistent depth, making it essential for cleanly cutting through materials.

# Genmitsu Kintix 10W Galvo Laser Engraving Reference Chart

## Engraving

Materials	Power	Speed(mm/min)	Laser Mode	Interval(mm)
Kraft paper	80%	12000	M4	0.1
Plywood	100%	12000	M4	0.1
Solid wood	100%	12000	M4	0.1
Bamboo board	100%	12000	M4	0.1
Cork	80%	12000	M4	0.1
Transparent acrylic (blackened)	40%	12000	M4	0.1
Glass (blackened)	80%	12000	M4	0.1
White leather (blackened)	60%	12000	M4	0.1
White silicone (blackened)	80%	12000	M4	0.1
Pebbles (blackened)	100%	12000	M4	0.1
Ceramic, beige gray (blackened)	85%	12000	M4	0.1
Blue anodized aluminum	70%	12000	M4	0.1
Stainless steel (blackened)	100%	12000	M4	0.1
White felt (blackened)	50%	12000	M4	0.1

## Cutting

Materials	Power	Speed(mm/min)	Laser Mode	Cutting times
Plywood 3mm	100%	220	M3	1
Wooden board 3mm	100%	200	M3	1
Black acrylic 2mm	100%	220	M3	1
Kraft paper 0.5mm	100%	900	M3	1
Felt (black) 3.5mm	100%	300	M3	1
Leather 1mm	100%	2000	M3	1
Colored PVC plastic sheet 0.2mm	100%	900	M3	1
Denim fabric 0.5mm	100%	700	M3	1

### Notes

\* **M4** (Dynamic Power Mode): The laser power dynamically adjusts based on the speed of the laser head. It reduces power when slowing down (like at corners) to prevent over-burning. Best for engraving detailed images and text.

\* **M3** (Constant Power Mode): The laser output remains constant regardless of the movement speed. This ensures a consistent depth, making it essential for cleanly cutting through materials.