



Rowmark Sheet: Universal 40 Watt Laser Settings Guide

The laser settings in this document are for reference purposes only and are provided by Rowmark to our customers as a courtesy. Different laser manufacturers and wattages may produce different results. If you have specific questions relative to your laser's capability, please contact your laser company representative for their suggestions

Updated: 9/23/08

Contemporary Wood Collection	Raster Power	Raster Speed	PPI	Passes	Vector Power	Vector Speed	PPI	Passes	Notes
LM922-188 Cashew/Dark Brown	70	100	500	2	100	6	500	1	For best results leave masking on when vector cutting
LM922-138 Cashew/Taupe	70	100	500	1	100	6	500	1	For best results leave masking on when vector cutting
LM922-134 Cashew/Black	70	100	500	2	100	6	500	1	For best results leave masking on when vector cutting
LM922-122 Toffee/Ash	80	100	500	1	100	6	500	1	For best results leave masking on when vector cutting
LM922-112 Toffee/White	70	100	500	1	100	6	500	1	For best results leave masking on when vector cutting
LM922-022 Cinnamon Stick/Ash	60	90	500	1	100	6	500	1	For best results leave masking on when vector cutting
LM922-222 Cinnamon Stick/White	80	90	500	1	100	6	500	1	For best results leave masking on when vector cutting
LM922-082 Kona/Ash	60	90	500	1	100	6	500	1	For best results leave masking on when vector cutting
LM922-0512 Kona/White	70	100	500	1	100	6	500	1	For best results leave masking on when vector cutting

Frosted Acrylics	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	Hz	Vector Passes	Notes
442-101 Crystal Ice	N/A	N/A	N/A	N/A	100	1	10000	3	For best results leave masking on when vector cutting
442-501 Ice Blue	N/A				100	1	10000	3	For best results leave masking on when vector cutting
442-501 Glass Green	N/A	N/A	N/A	N/A	100	1	10000	3	For best results leave masking on when vector cutting

Metalgraph Plus	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	Hz	Vector Passes	Notes
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MP9X2-314 Brushed Stainless Steel/Black	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-864 Brushed Copper Penny/Black	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-764 Brushed Antique Gold/Black	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-364 Brushed Bright Nickel/Black	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-316 Brushed Stainless Steel/Red	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-315 Brushed Stainless Steel/Blue	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-766 Brushed Antique Gold/Red	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting
MP9X2-765 Brushed Antique Gold/Blue	60	100	500	1	90	5	10000	1	For best results leave masking on when vector cutting

Multigraph	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	Hz	Vector Passes	Notes
MG922-602 Mercury Red/White	50	100	500	1	70	2.5	10000	2	For best results leave masking on when vector cutting
MG922-704 Solar Yellow/Black	50	100	500	1	70	2.5	10000	2	For best results leave masking on when vector cutting
MG922-512 Moonstone/White	50	100	500	1	70	2.5	10000	2	For best results leave masking on when vector cutting
MG922-402 Onyx/White	50	100	500	1	70	2.5	10000	2	For best results leave masking on when vector cutting
MG922-204 Northstar/Black	50	100	500	1	70	2.5	10000	2	For best results leave masking on when vector cutting

ColorCast Acrylics	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
CC3X2-600M Red	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-620M Burgundy	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-500M Blue	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-550M Navy Blue	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-850M Almond	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-200M White	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting

CC3X2-300M Grey	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-400M Black	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-710M Gold	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
CC3X2-330M Silver	70	100	500	1	100	4	500	4	For best results leave masking on when vector cutting
<i>For a clear/polished look in the engraving, repeat the raster engraving using the same settings, but out of focus by .020"</i>									

LaserMax	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
LM922-602 Crimson/White	70	100	500	2	100	6	500	1	
LM922-607 Crimson/Yellow	70	100	500	1	100	6	500	1	
LM922-622 Claret/White	70	100	500	2	100	6	500	1	
LM922-612 Tangerine/White	80	100	500	1	100	6	500	1	
LM922-704 Canary/Black	70	100	500	1	100	6	500	1	
LM922-932 Kelley Green/White	60	90	500	1	100	6	500	1	
LM922-972 Celadon Green/White	80	90	500	1	100	6	500	1	
LM922-912 Evergreen/White	60	90	500	1	100	6	500	1	
LM922-512 Sky Blue/White	70	100	500	1	100	6	500	1	
LM922-552 Patriot Blue/White	60	90	500	1	100	6	500	1	
LM922-517 Sky Blue/Yellow	60	90	500	1	100	5.5	500	1	
LM922-382 China Blue/White	60	90	500	1	100	6	500	1	
LM922-582 Purple/White	70	100	500	1	100	6	500	1	
LM922-206 White/Crimson	45	90	500	1	100	6	500	1	
LM922-205 White/Sky Blue	70	100	500	1	100	6	500	1	

LaserMax, cont.	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
LM922-204 White/Black	80	90	500	1	100	6	500	1	
LM922-854 Almond/Black	80	90	500	1	100	6	500	1	
LM922-312 Smoke Grey/White	80	90	500	1	100	6	500	2	
LM922-402 Black/White	60	90	500	1	100	6	500	1	
LM922-407 Black/Yellow	80	90	500	1	100	6	500	1	
LM922-417 Black/Gold	70	90	500	1	100	6	500	1	
LM922-413 Black/Silver	60	90	500	1	100	6	500	1	
LM922-734 Br. Gold/Black	70	100	500	1	100	6	500	1	
LM922-754 European Gold/Black	60	90	500	1	100	6	500	1	
LM922-354 Br. Aluminum/Black	60	90	500	1	100	6	500	1	
LM922-334 Br. Silver/Black	70	90	500	1	100	6	500	1	
LM922-344 Smooth Silver/Black	70	90	500	1	100	6	500	1	
LM922-894 Br. Copper/Black	70	100	500	1	100	6	500	1	
LM922-884 Deep Bronze/Black	70	90	500	1	100	6	500	1	

LaserLIGHTS	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
S61-* Black/White	20	45	500	1	80	20	500	1	
S62-* White/Black	20	45	500	1	80	20	500	1	
S63-* Br. Silver/Black	40	100	500	1	50	20	500	1	
S64-* Br. Brass/Black	60	100	500	1	50	20	500	1	
S65-* Black/Gold	40	100	500	1	50	20	500	1	
S66-* Red/White	50	90	500	1	60	12	500	1	
S67-* Blue/White	50	100	500	1	50	20	500	1	
S68-* Yellow/Black	40	100	500	1	50	20	500	1	
S69-* Br. Bronze/Black	50	100	500	1	50	20	500	1	
S73-* Smooth Silver/Black	60	100	500	1	50	20	500	1	
S74-* Smooth Gold/Black	60	100	500	1	50	20	500	1	
S75-* Black/Silver	50	70	500	1	50	20	500	1	

Textures	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
822-642 Pimento/White	100	70	500	2	100	12	500	2	
822-622 Ruby/White	100	70	500	2	100	12	500	2	
822-652 Tangerine/White	100	70	500	2	100	12	500	2	
822-774 Acid Yellow/Black	100	70	500	2	100	12	500	2	
822-778 Acid Yellow/Dark Brown	100	70	500	2	100	12	500	2	
822-962 Jungle Green/White	100	60	500	2	100	12	500	2	
822-992 Teal/White	100	60	500	2	100	12	500	2	
822-902 Black Forest Green/White	100	40	500	1	100	12	500	2	
822-592 Royal Blue/White	100	70	500	2	100	12	500	2	
822-503 Sapphire/White	100	60	500	2	100	12	500	2	
822-382 China Blue/White	100	70	500	2	100	12	500	2	
822-258 Bermuda Tan/Dark Brown	100	70	500	2	100	12	500	2	
822-854 Desert Sand/Black	100	50	500	1	100	12	500	2	
822-892 Coffee Bean/White	100	70	500	2	100	12	500	2	
822-246 White/Red	100	50	500	1	100	12	500	2	
822-205 Winter White/Blue	100	50	500	1	100	12	500	2	
822-244 Winter White/Black	100	70	500	2	100	12	500	2	
822-302 Ash Grey/White	100	70	500	2	100	12	500	2	
822-374 Ash Grey/Black	100	40	500	1	100	12	500	2	
822-422 Coal Black/White	100	70	500	2	100	12	500	2	

FlexiBrass & FlexiColor	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
602-937 Verde/Brass	80	80	500	1	50	10	500	1	
602-735 Br. Gold/Blue	70	80	500	1	50	10	500	1	

602-734 Br. Gold/Black	70	80	500	1	80	7	500	1	
602-884 Deep Bronze/Black	80	80	500	1	50	10	500	1	
602-894 Br. Copper/Black	80	80	500	1	50	10	500	1	
602-354 Br. Aluminum/Black	70	95	500	1	50	10	500	1	
602-417 Matte Black/Brass	80	80	500	1	50	10	500	1	
602-427 Glossy Black/Brass	70	95	500	1	50	10	500	1	
602-602 Red/White	100	80	500	1	50	10	500	1	
602-744 Yellow/Black	90	80	500	1	50	10	500	1	
602-512 Blue/White	90	80	500	1	50	10	500	1	
602-204 White/Black	70	95	500	1	50	10	500	1	
602-402 Black/White	70	80	500	1	60	8	500	1	
602-577 Celestial Blue/Gold	70	80	500	1	50	10	500	1	

LASERmag	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
LM63-1224 Br. Silver/Black	80	80	500	1	60	10	500	1	
LM64-1224 Br. Gold/Black	80	80	500	1	60	10	500	1	
LM65-1224 Black/Gold	80	80	500	1	60	10	500	1	

LaserMark	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
922-602 Red/White	90	70	500	1	100	10	500	1	
922-607 Red/Yellow	90	70	500	1	100	10	500	1	
922-704 Yellow/Black	100	70	500	1	100	10	500	1	
922-932 Bright Green/White	100	70	500	1	100	10	500	1	
922-912 Pine Green/White	100	70	500	1	100	10	500	1	
922-502 Sapphire/White	100	70	500	1	100	10	500	1	
922-512 Blue/White	90	70	500	1	100	10	500	1	
922-512 Blue/Yellow	90	70	500	1	100	10	500	1	
922-552 Navy Blue/White	100	70	500	1	100	10	500	1	
922-822 Medium Brown/White	90	70	500	1	100	10	500	1	
922-842 Dark Brown/White	90	70	500	1	100	10	500	1	
922-228 Ivory/Brown	100	70	500	1	100	10	500	1	
922-206 White/Red	90	70	500	1	100	10	500	1	
922-205 White/Blue	90	70	500	1	100	10	500	1	
922-204 White/Black	100	70	500	1	100	10	500	1	
922-322 Light Grey/White	90	70	500	1	100	10	500	1	
922-312 Grey/White	90	70	500	1	100	10	500	1	
922-407 Black/Yellow	90	70	500	1	100	10	500	1	
922-402 Black/White	90	70	500	1	100	10	500	1	
922-417 Black/Gold	100	70	500	1	100	10	500	1	
922-402 Black/White	90	70	500	1	100	10	500	1	
922-937 Verde/Gold	70	95	500	1	100	10	500	1	

922-734 Br. Gold/Black	100	70	500	1	100	10	500	1	
922-754 European Gold/Black	100	70	500	1	100	10	500	1	
922-354 Br. Aluminium/Black	100	70	500	1	100	10	500	1	
922-334 Br. Silver/Black	100	70	500	1	100	10	500	1	
922-344 Smooth Silver/Black	90	70	500	1	100	10	500	1	
922-894 Br. Copper/Black	100	70	500	1	100	10	500	1	
922-884 Deep Bronze/Black	90	70	500	1	100	10	500	1	
922-152 Cherry/White	100	70	500	1	100	10	500	1	
922-172 Walnut/White	100	70	500	1	100	10	500	1	
922-192 English Walnut/White	90	70	500	1	100	10	500	1	
922-002 Black Walnut/White	90	70	500	1	100	10	500	1	

Reverse LaserMark	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	PPI	Vector Passes	Notes
922-601 Matte/Red	100	90	500	1	100	8	500	1	
922-621 Matte/Burgundy	100	70	500	1	100	8	500	1	
922-511 Matte/Blue	100	70	500	1	100	8	500	1	
922-551 Matte/Navy Blue	100	70	500	1	100	8	500	1	
922-221 Matte/Ivory	100	70	500	1	100	8	500	1	
922-401 Matte/Black	100	70	500	1	100	8	500	1	
922-711 Matte/Smooth Gold	100	70	500	1	100	8	500	1	
922-710 Gloss/Smooth Gold	100	70	500	1	100	8	500	1	
922-341 Matte/Smooth Silver	100	70	500	1	100	8	500	1	
922-340 Gloss/Smooth Silver	100	70	500	1	100	8	500	1	

For a clear/polished look in the engraving, repeat the raster engraving using the same settings, but out of focus by .020"

ADA Alternative	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	Hz	Vector Passes	Notes
All colors 1/32"					100	5	10000	1	If material has adhesive on the back, you may need to reduce the speed or complete more than 1 pass
All colors 1/16"					100	5	10000	2	

Granites Deluxe	Raster Power	Raster Speed	PPI	Raster Passes	Vector Power	Vector Speed	Hz	Vector Passes	Notes
722-514 Glacier Blue/Black	100	40	1000	2 +	70	2	500	2	Due to Granites Deluxe thick cap, raster engraving may require multiple passes at high watts of power.
722-517 Glacier Blue/Gold	100	40	1000	2 +	70	2	500	2	
722-512 Glacier Blue/White	100	40	1000	2 +	70	2	500	2	
722-914 Jade/Black	100	40	1000	2 +	70	2	500	2	
722-917 Jade/Gold	100	40	1000	2 +	70	2	500	2	

722-912 Jade/White	100	40	1000	2 +	70	2	500	2	
722-817 Sandstone/Gold	100	40	1000	2 +	70	2	500	2	
722-818 Sandstone/Dark Brown	100	40	1000	2 +	70	2	500	2	
722-812 Sandstone/White	100	40	1000	2 +	70	2	500	2	
722-317 Charcoal/Gold	100	40	1000	2 +	70	2	500	2	
722-312 Charcoal/White	100	40	1000	2 +	70	2	500	2	
722-510 Clear/Glacier Blue	100	40	1000	2 +	70	2	500	2	
722-910 Clear/Jade	100	40	1000	2 +	70	2	500	2	
722-810 Clear/Sandstone	100	40	1000	2 +	70	2	500	2	
722-310 Clear/Charcoal	100	40	1000	2 +	70	2	500	2	