

Speed Power Operation Proofgrade Acrylic Selection Machine Proofgrade Acrylic Selection Operation Speed Power

Testing completed by: LaserLightDesigns.com

1000	Full	Engrave (Draft Graphic) 195 LPI	Clear - Acrylic (Medium)	Basic (or new 40W Plus)	Clear - Acrylic (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
545	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	545	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	16	Score (High Quality)				Score (High Quality)	125	16
157	Full	Cut				Cut	115	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	White - Acrylic (Medium)		White - Acrylic (Thick)	Engrave (Draft Graphic)	1000	Full
545	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic)	545	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic)	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	16
168	Full	Cut				Cut	115	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Every other Color of Acrylic (Medium)		Every other Color of Acrylic (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
545	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	545	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	16
150	Full	Cut				Cut	115	Full

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1000	Full	Engrave (Draft Graphic) 195 LPI	Clear - Acrylic (Medium)	Pro (or old 45w Plus)	Clear - Acrylic (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
545	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	545	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	16	Score (High Quality)				Score (High Quality)	125	16
170	Full	Cut				Cut	125	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	White - Acrylic (Medium)		White - Acrylic (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
545	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	545	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	16
183	Full	Cut				Cut	125	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Every other Color of Acrylic (Medium)		Every other Color of Acrylic (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
545	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	545	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	16
163	Full	Cut				Cut	125	Full

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Speed Power Operation Proofgrade Wood Selection Machine Proofgrade Wood Selection Operation Speed Power

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1000	Full	Engrave (Draft Graphic) 195 LPI	Draftboard (Medium)	Basic (or new 40w Plus)	Draftboard (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
300	11	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	11
300	41	Score (Draft)				Score (Draft)	300	61
125	21	Score (High Quality)				Score (High Quality)	125	21
168	Full	Cut				Cut	125	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Basswood Plywood (Medium)		Basswood Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
400	51	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	400	51
300	30	Score (Draft)				Score (Draft)	300	30
125	10	Score (High Quality)				Score (High Quality)	125	10
150	Full	Cut				Cut	166	Full

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1000	Full	Engrave (Draft Graphic) 195 LPI	Draftboard (Medium)	Pro (or old 45w Plus)	Draftboard (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
300	11	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	11
300	41	Score (Draft)				Score (Draft)	300	61
125	21	Score (High Quality)				Score (High Quality)	125	21
183	Full	Cut				Cut	132	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Basswood Plywood (Medium)		Basswood Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
400	51	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	400	51
300	30	Score (Draft)				Score (Draft)	300	30
125	10	Score (High Quality)				Score (High Quality)	125	10
170	Full	Cut				Cut	182	

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1000	Full	Engrave (Draft Graphic) 195 LPI	Walnut Plywood (Medium)	Basic (or new 40w Plus)	Walnut Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
350	21	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	250	6
300	31	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	11
163	Full	Cut				Cut	150	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Cherry Plywood (Medium)		Cherry Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
350	21	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	11
300	41	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	11
163	Full	Cut				Cut	150	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Maple Plywood (Medium)		Maple Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	11
155	Full	Cut				Cut	150	Full

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1000	Full	Engrave (Draft Graphic) 195 LPI	Walnut Plywood (Medium)	Pro (or old 45w Plus)	Walnut Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
350	21	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	250	6
300	31	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	11
168	Full	Cut				Cut	151	Full
1000	Full	Engrave (Draft Graphic)	Cherry Plywood (Medium)		Cherry Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic)				Engrave (SD Graphic) 270 LPI	535	70
350	21	Engrave (HD Graphic)				Engrave (HD Graphic) 450 LPI	300	11
300	41	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	11
168	Full	Cut				Cut	162	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Maple Plywood (Medium)		Maple Plywood (Thick)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	11
168	Full	Cut				Cut	162	Full

Speed Power Operation Proofgrade Wood Selection Machine Proofgrade Wood Selection Operation Speed Power

Speed	Power	Operation	Proofgrade Wood Selection	Machine	Proofgrade Wood Selection	Operation	Speed	Power
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1000	Full	Engrave (Draft Graphic) 195 LPI	Walnut Hardwood (Medium)	Basic (or new 40W Plus)	Aspen Hardwood (Medium)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
250	6	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	309	16
300	41	Score (Draft)				Score (Draft)	300	41
125	21	Score (High Quality)				Score (High Quality)	125	6
189	Full	Cut				Cut	250	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Cherry Hardwood (Medium)		Poplar Hardwood (Medium)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
350	21	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	250	6
300	52	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	4
189	Full	Cut				Cut	190	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Maple Hardwood (Medium)		Red Oak Hardwood (Medium)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	61
125	11	Score (High Quality)				Score (High Quality)	125	11
189	Full	Cut				Cut	181	Full

Speed	Power	Operation	Proofgrade Wood Selection	Machine	Proofgrade Wood Selection	Operation	Speed	Power
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1000	Full	Engrave (Draft Graphic) 195 LPI	Walnut Hardwood (Medium)	Pro (or old 45w Plus)	Aspen Hardwood (Medium)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
250	6	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	309	16
300	41	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	6
210	Full	Cut				Cut	270	Full
1000	Full	Engrave (Draft Graphic)	Cherry Hardwood (Medium)		Poplar Hardwood (Medium)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic)				Engrave (SD Graphic) 270 LPI	535	70
350	21	Engrave (HD Graphic)				Engrave (HD Graphic) 450 LPI	250	6
300	52	Score (Draft)				Score (Draft)	300	41
125	11	Score (High Quality)				Score (High Quality)	125	4
210	Full	Cut				Cut	210	Full
1000	Full	Engrave (Draft Graphic) 195 LPI	Maple Hardwood (Medium)		Red Oak Hardwood (Medium)	Engrave (Draft Graphic) 195 LPI	1000	Full
535	70	Engrave (SD Graphic) 270 LPI				Engrave (SD Graphic) 270 LPI	535	70
300	16	Engrave (HD Graphic) 450 LPI				Engrave (HD Graphic) 450 LPI	300	16
300	41	Score (Draft)				Score (Draft)	300	61
125	11	Score (High Quality)				Score (High Quality)	125	11
210	Full	Cut				Cut	199	Full

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