

## KNK Maxx Air - Suggested Cut Settings

**IMPORTANT:** These settings should be used for the initial test cut. Adjustments may be necessary based on the condition of the blade, variations in the material, humidity, condition of the cutting mat, blade tip height, etc.

Material Type	Material Brand or Source	Blade	Force	Speed	# of Passes	Blade Ht*	Other Comments
Acetate	Grafix - 0.005"	Red	45-60	400	1	25	
Aluminum	Soda can	Red	160-180	15	1	25	Taped to mat, however seems to cut better if not pressed down well
Basswood	1/16"	Blue	200	20	4	13	Taped to mat; very difficult to cut, hard on blades
Binding Cover Clear Plastic	Akiles clear, 7 mil	Red	45-55	400	4	25	
Bontex	0.03" (347FF Mori-Fresh)	Blue	160	20	2		Apply freezer paper as a stabilizer
Bontex	0.04" (47F Mori-Fresh)	Blue	225	20	3		Apply freezer paper as a stabilizer
Bontex	0.05" (244G Mori-Fresh)	Blue	235	10	4		Apply freezer paper as a stabilizer
Candle Wax	Stockmar wax sheets - 0.05"	Blue	5	100	1	25	Avoid having wheels over wax, placed wax in freezer for a few minutes after cutting and before weeding
Cardstock	AC Cardstock	Red	100-110	200	1	25	
Cardstock	Bazzill - Basics	Red	45-65	300	1	25	Force will vary with color of cardstock
Cardstock	Bazzill Card Shoppe	Red	120	200	1	25	For intricate cuts 2 passes at 90
Cardstock	Bazzill Prismatics	Red	60	200	1	25	
Cardstock	Bazzill Swiss Dots	Red	75	200	1	25	
Cardstock	Bazzill Various Textures	Red	60-95	200	1 or 2	25	Can vary greatly based on texture and color
Cardstock	Coordinations	Red	75-85	200	1	25	Tested pink
Cardstock	Coordinations by Darice - 65 lb	Red	45-55	150	1	25	From Joanne's
Cardstock	Doodlebug Chenille Texture	Red	20-40	200	2	25	
Cardstock	Doodlebug Crushed Velvet	Red	75-90	200	2	25	Facedown on mat; Mirror shapes before cutting
Cardstock	Georgia Pacific 110 lb (298g) white	Red	45-60	200	1	25	
Cardstock	Neenah - 110 lb (298g) white	Red	80-95	200	1	25	Will cut cleaner at lower force and 2 passes
Cardstock	Neenah - 80 lb (218g) white	Red	45-60	300	1	25	
Cardstock	Neenah - 65 lb (176g) white	Red	45-60	300	1	25	
Cardstock	Paper Studio - smooth finish	Red	55-70	300	1	25	Tested black
Cardstock	Paper Studio - textured finish	Red	85-90	200	1	25	Tested white and black; Cuts better with texture down

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Cardstock	Recollections	Red	45-70	200	1	25	Tested white and green;Varies with color
Cardstock	Recollections	Red	65-75	200	1	25	Tested black shimmer;
Cardstock	Stardream Metallic - 105 lb	Red	80 - 90	250	2	25	Cuts in 1 pass at Force of 95
Cardstock	We R Memory Keepers-textured	Red	10-25	200	1	25	Facedown on mat; Mirror shapes before cutting
Cardstock	X-press It	Red	50-65	200	1	25	Tested white
Cardstock	WorldWin Colormates - 105 lbs	Red	80-90	200	1	25	Tested Black Ice Dust
Cardstock - Chalkboard	DCVV Chalkboard Stock	Red	45	200	1	25	Note this is a white core cardstock so white will show
Chipboard	Cereal Box	Red	90	100	1	25	Might need 2 passes on small detail
Chipboard	0.02" white	Red	90-120	200	2	25	May need 2 passes on small detail
Chipboard	0.03" (knkusa.com)	Blue	160-190	100	2	25	Can cut simple shapes in 1 pass
Chipboard	Stampin' Up: 0.06" (1.5 mm)	Blue	225-235	20	3	19	Very dense. Will cut better if freezer paper is applied.
Craft Foam	Funky Foam	Blue	10	200	1	13	Blue blade only and avoid small intricate designs
Craft Plastic	0.015" PETG from Dick Blick	Red	140-155	300	2	25	has clear protection film
Craft Plastic	Clear Scraps (0.024")	Red	185-200	300	2	25	has clear protection film
Craft Plastic	0.02" PETG from Grafix , scrapbook.com, ebay	Red	170-185	300	2	25	has blue protection film, Called Dura-lar clear plastic at Dick Blick
Crepe Paper	180 gm Italian (Carte Fini)	Red	75 - 85	300	3	25	Needs a very sticky mat to stabilize
Construction Paper	Creatology - pink	Red	20	100	1	25	
Construction Paper	Pacon Tru-Ray - yellow	Red	25	100	2	25	
Copper: 5 mil	www.onlinemetals.com	Red	45 -60	10	3	25	Tape to mat; hard on blades thus force will need to be increased as blade is dulled
Double Sided Adhesive Tapes	Cut Bond Create	Red	65-75	200	1	25	
Double Sided Adhesive Tapes	Sookwang	Red	60-70	200	1	25	
Double Sided Adhesive Tapes	Stampin Up #120805 (Sizzix brand)	Red	85-90	200	1	25	
Double Sided Adhesive Tapes	Thermo Web Peel and Stick	Red	40-55	200	1	25	Tape to mat
Duralar	0.005" (digitalcolorsplus.com)	Red	90-100	200	1	25	
Fabric: Denim	Pair of jeans cut up	Yellow	150-170	200	2	25	No stabilizer but used a VERY sticky mat
Fabric: Polyester Satin	Hobby Lobby - \$2.99/yd	Yellow	50	150	1	25	With OESD Stabil-Stick Tear-Away
Fabric- Cotton (thin)	Cotton used for quilting	Yellow	55-85	200	1-2	25	Varies with fabric- Pressed to very sticky mat, with Heat n Bond
Felt - 65% Dacron, 35% wool	National NonWovens: ~ 0.05"	Yellow	90-110	300	2	13	Taped to mat; no stabilizer but pressed to a very sticky mat

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Felt - 65% Dacron, 35% wool	~ 0.035" thick	Yellow	50	120	1	25	Taped to mat; no stabilizer but pressed to a very sticky mat
Felt - Acrylic	From Hobby Lobby with Contact Paper as stabilizer	Yellow	100	150	1	25	Space shapes >1/4". Only cut one row at a time and rebrayer.
Felt - Soft, ~1/16"	Michael's - with Heat n Bond applied	Yellow	80-100	400	1-2	13	Taped to mat; More force needed for black felt than for white
Felt - Sticky Back	Kunin Stick'rzfelt	Yellow	150	165	3	13	
Felt: Stiffened	Michael's - 0.05"	Yellow	30-40	150	3	13	
Felt: Stiffened	Michael's - 1/16" (0.06")	Yellow	50-60	150	3	13	
Foam	Fun Foam from Michael's; Crafter's Square cuts much cleaner than Creatology	Blue	1-10	200	1	13	Use a very sticky mat or tape to mat. Set blade length to just cut through
Foam Sheets - Glitter	Silly Winks	Blue	35-45	100	2	13	
Glimmer Paper	Stampin Up - #124005	Red	55-70	300	1	25	Taped to Mat, avoid contact with wheels: glitter comes off paper easily
Glitter Cardstock	Core'dinations Glitter Silk	Red	70	100	1	25	Flip upside down and cut reverse side.
Glitter Paper	American Crafts POW	Red	55-70	300	1	25	May need to tape to mat
Glitter Paper	Recollections Signature	Blue	50-60	300	2	25	Tape to a sticky mat upside down; mirror images
Grungeboard	Craft Store	Blue	100 - 110	25	1	20	Used an extra sticky mat and taped outside edges
Heat Transfer Vinyl	Thermo Flex Plus	Red	40 - 50	200	1	25	
Identi-tape Highly Reflective Vinyl	<a href="http://identi-tape.com/high-intensity6.htm">http://identi-tape.com/high-intensity6.htm</a>	Red	170 - 180	100	1	25	Or cut in 2 passes at a force of 140.
Identi-tape Highly Reflective Vinyl	<a href="http://identi-tape.com/high-intensity6.htm">http://identi-tape.com/high-intensity6.htm</a>	Red	170 - 180	100	1	25	Or cut in 2 passes at a force of 140.
KraftTex	ctpub.com	Red	70 - 90	100	2	25	Requires an extra sticky mat to stabilize
Leather	0.04" - 0.05" - slightly stretchy	Yellow	160	300	5	13	Stabilized with Heat N Bond
Leather	0.06" - not stretchy	Yellow	250	300	8	13	Not stabilized; pressed to extra sticky mat
Lutradur - Heavy Wt	ctpub.com	Red	40-50	200	2	25	Doesn't handle very thin paths; Use light wt Lutradur for intricate shapes
Lutradur - Light Wt	ctpub.com	Red	30-40	200	1	25	
Lutradur - Light Wt	ctpub.com	Red	40-50	200	1	25	
Magnetic Material	knkusa.com, 0.035"	Blue	170-190	300	1	19	Taped to Mat, magnet side up
Mat Board	UK - 1/16" (1.5 mm)	Blue	175-185	50	2	13	
Mulberry Paper	Craft Store	Red	5	200	1	25	Very sensitive to blade length
Mylar - 5 mil (125 microns)	5 mil (125 microns) clear	Red	80	200	1	25	Alt: 2 Passes at 60
Mylar - 7 mil (125 microns)	7 mil (190 microns) clear	Red	120	200	1	25	Alt: 2 Passes at 80
Mylar - 5 mil (125 microns)	13 mil (350 microns) opaque	Red	165	60	2	25	Extra sticky mat

Material Type	Material Brand or Source	Blade	Force	Speed	# of Passes	Blade Ht*	Other Comments
Paper - Copy/Printer	20 lb (75g) Multi-purpose	Red	10-20	200	1	25	Set blade to minimal exposure to avoid tearing
Patterned Paper	Recollections Pads from Michael's	Red	40-60	400	1	25	
Patterned Paper - with Glitter	Recollections Pads from Michael's	Red	40-60	400	2	25	Uneven texture does better with 2 passes
Pelmet Vylene	UK	Yellow	70-80	200	1	25	
Pewter	0.01" from Amaco	Red	75-90	200	1	25	Taped to mat
Photo Paper	Staples: Mat Supreme Photo Paper (61 lb 11 mil)	Red	50	150	1	25	
Polypropylene	0.035" thick	Blue	250	100	3	19	
Posterboard	Grocery Store	Red	60-75	400	1	25	
Posterboard	Railroad Board	Red	85-95	200	1	25	
Rhinestone Template Material	Green from knkusa.com	Blue	55-70	400	2	25	Peel off backing, place sticky side onto mat
Rhinestone Template Material	KNK Rock-it from knkusa.com	Blue	60-75	500	2	25	Leave material on liner and press liner side down to sticky mat
Rhinestone Template Material	Sticky Flock	Red	45-60	500	1	25	Remove liner and brayer sticky side to a sticky mat for easier weeding.
Rubber Gasket	1/16" thick	Blue	150	25	2	13	Try cutting twice versus multi-cut of 2 passes... seems to work better on sharp corners.
Shrink Film	Grafix - clear	Red	170-190	300	1	25	Taped to mat
Shrink Film : Printable	Grafix - clear	Red	70 - 80	200	2	25	Could increase force and cut in one pass, but with PNC, you may want to use a lighter force
Shrink Film : Printable	Grafix - white	Red	80 - 90	200	2	25	Could increase force and cut in one pass, but with PNC, you may want to use a lighter force
Shrinky Dink	Frosted Ruff N' Ready	Red	170-190	300	1	25	Taped to mat
Stamp Material	Clear rubber sold by Silhouette	Red	20	75	1	25	Used the special mat sold by Silhouette for cutting their stamp mat!
Stencil Board	<a href="http://www.knkusa.com">www.knkusa.com</a>	Red	150	60	2	25	Extra sticky mat
Stencil Plastic	Show-Offs	Red	195	80	1	25	Side with clear sheet down and tape to mat. Also use F = 130 / 2 passes
Styrene	Lowe's sign dept (pink and green)	Red	140-160	50	2	25	Taped to Mat
Styrene	www.knkusa.com, white, ~0.02"	Red	120-140	50	2	25	Taped to Mat
Styrene	0.005", white	Red	75	50	1	25	Taped to Mat
Styrene	0.01", white	Red	115	50	1	25	Taped to Mat
Styrene	0.015", white	Red	120-130	50	2	25	Taped to Mat
Vellum	Heavy	Red	60-75	400	1	25	
Vellum - thin	WorldWin Colormates	Red	15-25	400	1	25	
Vinyl	knkusa.com	Red	5-15	300	1	25	With no mat, blade holder rests on rim

Material Type	Material Brand or Source	Blade	Force	Speed	# of Passes	Blade Ht*	Other Comments
Window Sheets	Stampin Up - #114323	Red	150-170	300	1	25	Taped to Mat
Wood Veneer	0.015" from cardsofwood.com	Red	115 - 125	100	2	25	Walnut and oak were tested; taped to mat
Wood Veneer	0.035" thick	Red	200	50	4	13	Very sticky mat and taped down due to wood curling
Wood Veneer	0.022" thick	Red	160	150	2	25	Very sticky mat and taped down due to wood curling
Wool: 100%	w/ freezer paper applied	Yellow	140-160	100	3	13	Taped to mat
* Number of Post-It notes used to set blade tip distance from material							
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