

Falcon A1 Parameter Recommendation

Consumable name	Consumable thickness(mm)	10w engraving (Power/Speed/Passes)	10w cutting ((Power/Speed/Passes)
Tilia board	2	60 / 4000 / 1	100 / 350 / 1
	3		100 / 350 / 1
	4		100 / 200 / 1
	5		100 / 150 / 1
	10		/
	15		/
Walnut Plywood	3	30/5000/1	100/230/1
	5		100/100/2
Rosewood Plywood	3	30/5000/1	100/220/1
	5		100/100/2
Natural Bamboo Board	3	40/4000/1	100/200/1
	0.2	25 / 3000 / 1	100 / 3500 / 1
Card paper	0.2	40 / 5000 / 1	100 / 1500 / 1
Felt	0.8	15 / 5000 / 1	100 / 3500 / 1
Black Glossy Acrylic	3	60/4000/1	90/250/2
Purple Glossy Acrylic	3	80/3000/1	90/250/4
Red Glossy Acrylic	3	50/4000/1	90/250/3
Orange Glossy Acrylic	3	50/4000/1	90/250/4
Green Glossy Acrylic	3	80 / 3000 / 1	95/100/3
Red transparent Acrylic	3	40 / 3000 / 1	95/100/3
Yellow transparent Acrylic	3	40 / 3000 / 1	95/100/2
Green transparent Acrylic	3	40 / 3000 / 1	95/100/3



Black frosted Acrylic	3	80 / 5000 / 1	90/250/2
Orange frosted Acrylic	3	90 / 3000 / 1	95/100/3
Green frosted Acrylic	3	90 / 3000 / 1	95/100/3
Green frosted Acrylic	3	90 / 2000 / 1	95/100/3
Anodized Aluminum	3	100 / 200 / 1	/
Brushed Stainless Steel	2	100 / 800 / 1	/
Brown Leather	0.65	20 / 3000 / 1	100 / 1500 / 1
Glitterself-adhesiverainbowpaper	0.1	40/8000/1	100/1000/1
Glitter paper _ Gold and silver 20	0.1	40/8000/1	100/1000/1
Goldandsilverartpaper	0.2	30/9500/1	100/1500/1
Goldandsilverartpaper	0.2	30/9500/1	100/1500/1
Scratch Paper red	0.1	30/9500/1	100/1500/1
Scratch Paper green	0.1	30/9500/1	100/1500/1
Scratch Paper blue	0.1	30/9500/1	100/1500/1
Scratch Paper yellow	0.1	30/9500/1	100/1500/1
Scratch Paper white	0.1	30/9500/1	100/1500/1
LuminousScratchPaper	0.1	30/8000/1	100/1500/1
ColoredOpaqueAcrylicSheetsPurple	3	80/3000/1	90/250/4
BeerBottleOpener	/	40/3000/1	/
Coaster	/	30/7000/1	/
JujubeWoodBeerMug	0.5	40/3000/1	/
Keychain	/	20/4000/1	/
KnittedSocks	/	30/4000/1	/
2pcsHatwith4pcsSelf-adhesiveCapStickers	0.2	40/10000/1	/
2pcsHatwith4pcsSelf-adhesiveCapStickers	0.2	40/10000/1	/
Pine block	15	40/3000/1	/
Aluminum business card - blue	1	80/5000/1	/
Aluminum business card - gold	1	80/5000/1	/

Aluminum business card - black	1	80/5000/1	/
Aluminum business card -purple	1	80/5000/1	/
Aluminum business card -silver	1	/	/
Basswood plywood	3	40/5000/1	100/300/1
Kraft paper 5	1	40/5000/1	100/2000/1
Stainless steel dog tag - Military tag with sharp corners	3	100/1000/1	/
Stainless steel dog tag - Big bone - Silver	3	100/1000/1	/
Stainless steel dog tag - inside hole round - Silver	3	100/1000/1	/
Stainless steel dog tags - Large dog PAWS - Silver	3	100/1000/1	/
Stainless steel dog tag - Cat head - Silver	3	100/1000/1	/
Key card 5	0.3	40/3000/1	/
cellular phone seat	18	40/5000/1	/
photo frame	19.8	40/6000/1	/
Pine irregular coaster 2		80/5000/1	/
Leather coasters 3	0.2	20/4000/1	/
Wooden tag 25		80/4000/1	100/700/1
HTV heat transfer vinyl - black	0.1	/	/
HTV heat transfer vinyl - silver	0.1	/	/
HTV heat transfer vinyl - blue	0.1	/	/
HTV heat transfer vinyl - golden	0.1	/	/
HTV heat transfer vinyl - green	0.1	/	/
HTV Heat transfer vinyl - Glitter surface - red	0.1	/	/
HTV Heat transfer vinyl - Glitter surface - golden	0.1	/	/
HTV Heat transfer vinyl - Glitter surface - black	0.1	/	/
HTV Heat transfer vinyl - Glitter surface - silver	0.1	/	/
HTV Heat transfer vinyl - Glitter surface - blue	0.1	/	/

10pcsLaser Carved Blue Paper	0.1	45/10000/1	100/1700/1
Colored paper Light gray *10 pieces can be carved	0.1	20/10000/1	100/1700/1
Colored paper dark blue *10 pieces can be carved	0.1	45/10000/1	100/1700/1
Color paper blue *10 pieces can be carved	0.1	20/10000/1	100/1700/1
Colored paper Lake Blue *10 sheets can be carved	0.1	20/10000/1	100/1700/1
Colored paper dark green *10 pieces can be carved	0.1	20/10000/1	100/1700/1
Colored paper brown *10 pieces can be carved	0.1	20/10000/1	100/1700/1
Colored paper Black *10 sheets can be carved	0.1	45/10000/1	100/1700/1
Colored paper light blue *10 pieces can be carved	0.1	40/10000/1	100/1700/1
Colored paper emerald green *10 pieces can be carved	0.1	45/10000/1	100/1700/1
Black leather Passport bag *1	14	40/10000/1	/
Baggage tag *1	5.5	40/10000/1	/
Black leather repair patch gold sole can be carved and cut	1.3	50/11000/1	100/600/1
Black leather repair patch silver background can be carved and cut	1.3	50/11000/1	100/600/1
DarkBrownRoundLeatherCoaster		40/10000/1	/
A4Basswoodplywood"320*250*60"	3	80/8000/1	100/300/1
BasswoodPlywood"360*350*50"	3	80/8000/1	100/300/1
BrownWood"330*330*30"	3	80/8000/1	90/150/2
BubingaBrazilianRosewoodPlywood"330*330*30"	3	80/8000/1	100/200/1
MahoganyPlywood"330*330*30"	3	80/8000/1	100/300/1
BasswoodPlywood"360*350*50"	3	80/8000/1	100/300/1
RubberwoodSplicedPlywood"330*330*30"	3	80/6000/1	100/300/1
Mini Gold perfume Bottle 2		100/1000/1	/
Mini pink perfume Bottle 2		100/1000/1	/

Mini silver perfume Bottle 2		100/1000/1	/
Mini Red perfume Bottle 2		100/1000/1	/
Mini Purple perfume Bottle 2		100/1000/1	/
Silver badge 5		100/700/1	/
Gold name badge 5		100/700/1	/
Blue name badge 5		100/700/1	/
Black name badge 5		100/700/1	/
Round metal pet tag	1.8	100/1000/1	/
Bony metal pet name tag	1.8	100/1000/1	/
Claw metal pet tag	1.8	100/1000/1	/
Cat-shaped metal pet tag	1.8	100/1000/1	/