

# international graphic supplies

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## Titanium CNC | Tool Kit



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Titanium CNC | Tool Kit

# Oscillating Tool

**Name:** Oscillating Tool

**Postion:** K Side Installation

**Power:** 80W Maxon Motor (Swiss Made)

**Torque:** 45.9 mNm (Max Continuous Torque)

**Current:** 3.82A (Max Continuous Current)

**Voltage:** DC 24V

**RPM:** 13000/RPM

**Oscillating Stroke:** 1MM



## Oscillating Tool

45° Blade (J603) (J321)	Thickness (suggestion): ≤2MM material		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
PVC	≤2MM	100~200	1000~2000
ABS	≤2MM	50~100	500~1000
PU board	≤2MM	100~200	1000~2000
Leather	≤2MM	100~250	1000~2000
Gasket	≤2MM	50~100	100~500
Rubber	≤2MM	100~200	1000~2000
Corrugated plastic	≤2MM	50~100	500~1000
Carbon Fiber	≤2MM	50~200	500~2000



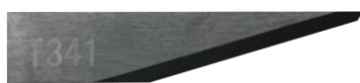
## Oscillating Tool

<b>26° Blade (J311)</b>	<b>Thickness (suggestion): ≤7mm material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Foam Board	≤7MM	200~400	1000~3000
Grey Board	≤7MM	100~300	1000~2000
Leather	≤7MM	100~200	500~2000
Felt	≤7MM	100~200	500~2000
PVC	≤7MM	100~200	500~2000
Gasket	≤7MM	50~100	50~500
Rubber	≤7MM	100~200	500~2000
Corrugated plastic (soft)	≤7MM	100~200	1000~2000



## Oscillating Tool

<b>16° Flat Blade (J306-T)</b>	<b>Thickness (suggestion): ≤12mm material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Foam board	≤12MM	100~300	1000~3000
Corrugated paper	≤12MM	100~300	1000~3000
Honeycomb board	≤12MM	50~150	500~1500
Foam	≤12MM	100~300	1000~3000
Felt	≤12MM	50~150	500~1500
Rubber	≤12MM	50~100	50~500



## Oscillating Tool

<b>16° Sharp Blade (J308)</b>	<b>Thickness (suggestion): ≤16mm material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Foam board	≤16MM	100~200	500~1000
Corrugated paper	≤16MM	50~150	500~1000
Honeycomb board	≤16MM	50~150	500~1000
Foam	≤16MM	50~150	500~1000



## Oscillating Tool

<b>C07 (J303)</b>	<b>Thickness (suggestion): ≤20mm material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Corrugated paper	≤20MM	50~150	500~1000
Honeycomb board	≤20MM	50~150	100~1000
Foam	≤20MM	100~200	500~1000



## Oscillating Tool

<b>50000T (J360)</b>	<b>Thickness (suggestion): ≤25mm material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Foam	≤25MM	50~150	100~1000

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# Drag Knife Tool

**Name:** Drag Knife Tool

**Postion:** K / K1 Side Installation



- › Drag Knife tool for soft material up to 5MM thick
- › Recommended blades for 45° cutting - J603 or J321
- › Recommended blade for 26° cutting - J311



## Drag Knife Tool

45° Blade (J603)	Thickness (suggestion): ≤2MM material (soft)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Magnetic materials	≤2MM	100~200	1000~2000
Folding carton	≤2MM	100~200	1000~2000
Cardboard	≤2MM	100~300	1000~3000
Leather	≤2MM	100~200	1000~2000
Sticker	≤2MM	100~500	1000~4000
Vinyl	≤2MM	100~500	1000~4000
Paper	≤2MM	100~500	1000~4000
Grey board	≤2MM	100~200	1000~2000



## Drag Knife Tool

<b>26° Blade (J311)</b>	<b>Thickness (suggestion): ≤5mm material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Cardboard	≤5MM	100~200	1000~2000
Leather	≤5MM	100~200	1000~2000
Sticker	≤5MM	100~400	1000~2000
Vinyl	≤5MM	100~300	1000~3000
Paper	≤5MM	100~300	1000~3000
Grey board	≤5MM	50~150	1000~2000
Magnetic materials	≤5MM	50~150	500~2000
Reflective film	≤5MM	100~300	1000~3000

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# Creasing Wheel Tool

**Name:** Creasing Wheel Tool

**Postion:** K1 Side Installation

- › Includes four different creasing wheels
- › Creases soft materials up to 10mm thickness
- › Crease material without tearing
- › Creasing pressure can be adjusted
- › Quick and easy wheel changes
- › Creasing Tool Torque: 350Nm



## Creasing Wheel Tool

<b>Small wheel</b>	<b>Creasing Wheel diameter:</b> 26mm		
	<b>Creasing Wheel width:</b> 16mm		
	<b>Creasing Line width:</b> 1.5mm		
	<b>Thickness (suggestion):</b> ≤2MM material (soft)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Magnetic materials	≤2MM	100~200	1000~2000
Folding carton	≤2MM	100~200	1000~2000
Cardboard	≤2MM	100~300	1000~3000
Leather	≤2MM	100~200	1000~2000
Sticker	≤2MM	100~500	1000~4000



## Creasing Wheel Tool

<b>Wheel A</b>	<b>Creasing Wheel diameter:</b> 70mm		
	<b>Creasing Wheel width:</b> 16mm		
	<b>Creasing Line width:</b> 3mm		
	<b>Thickness (suggestion):</b> ≤2MM material (soft)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Cardboard	≤2MM	100~400	1000~4000
Paper	≤2MM	100~400	1000~4000
Corrugated paper	≤2MM	100~400	1000~4000



## Creasing Wheel Tool

<b>Wheel B</b>	<b>Creasing Wheel diameter:</b> 70mm		
	<b>Creasing Wheel width:</b> 16mm		
	<b>Creasing Line width:</b> 2mm		
	<b>Thickness (suggestion):</b> ≤5MM material (soft)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Corrugated paper	≤5MM	100~400	1000~4000
Corrugated plastic (soft)	≤5MM	100~400	1000~4000





## Creasing Wheel Tool

<b>Wheel C</b>	<b>Creasing Wheel diameter:</b> 70mm		
	<b>Creasing Wheel width:</b> 16mm		
	<b>Creasing Line width:</b> 9mm		
	<b>Thickness (suggestion):</b> ≤10MM material (soft)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Corrugated paper	≤10MM	100~400	1000~4000

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# Drawing Tool

**Name:** Drawing Tool (GEL/INK)

**Postion:** Pen Holder Installation

**Power:** DC 24V Spring Coil



Material Name	Pen Speed (suggestion)	Pen Accel (suggestion)
Cardboard	100~400	1000~2000
Paper	100~400	1000~2000
Leather	100~400	1000~2000
Folding carton	100~400	1000~2000
Rubber	100~400	1000~2000

Titanium CNC | Tool Kit

# Kiss-Cut Tool

**Name:** Kiss-Cut Tool

**Postion:** K / K1 Side Installation



- › Kiss-Cutting tool with adjustable pressure for processing different types of vinyl and sticker media
- › Two processing methods: Kiss-Cut and Through-Cut
- › Max material thickness: 2MM
- › Precise control of cutting depth
- › Clean and easy separation of Vinyl or Sticker from liner material



## Kiss-Cut Tool

<b>Kiss-Cut blade (J301)</b>	<b>Thickness (suggestion): ≤2MM material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Vinyl	≤2MM	100~400	1000~4000
Sticker	≤2MM	100~400	1000~4000
Decorative films	≤2MM	100~400	1000~4000
Reflective films	≤2MM	100~400	1000~4000

Titanium CNC | Tool Kit

# V-Cut Tool

**Name:** V-Cut Tool

**Postion:** K1 Side Installation



- › Simple and precise angle settings
- › Cuts material up to 16mm at five different angles - 0°, 15°, 22.5°, 30°, 45°
- › Quick and easy blade changes
- › Very quick and clean cutting



## V-Cut Tool

V-Cut blade (J351)	Thickness (suggestion): ≤16MM material		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Vinyl	≤2MM	100~400	1000~4000
Sticker	≤2MM	100~400	1000~4000
Decorative films	≤2MM	100~400	1000~4000
Reflective films	≤2MM	100~400	1000~4000

# Titanium CNC | Tool Kit

## Router Tool



**Name:** Router Tool

**Postion:** K1 Side Installation

**Power:** 350W Nakanishi Motor (Japan Made)

**RPM:** 60,000/RPM (Adjustable RPM)

- › Router tool actively air-cooled
- › Highly effective dust extraction (with Festool dust cleaner)
- › Routing depth up to 16mm, three different size blades - No.3, No.4 and No.6
- › Surface compensation for consistent cutting depths



### Router Tool

<b>No.3 Router blade (J502)</b>	<b>Blade diameter:</b> 3.175MM		
	<b>Thickness (suggestion):</b> ≤2MM material (soft)		
	<b>Router RPM (suggestion):</b> 40,000RPM ~ 50,000RPM (Observing cutting results, if the cut edge appears slightly scorched, we suggest slowing down or speeding up the Router RPM until the required results are achieved)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Acrylic	≤5MM	50~150	100~500
MDF	≤5MM	50~150	100~500
Hard foam	≤5MM	50~150	100~1000
Aluminium-plastic board	≤5MM	50~150	100~500
PVC(Hard)	≤5MM	50~150	100~1000



## Router Tool

<b>No.4 Router blade (J503)</b>	<b>Blade diameter:</b> 4MM		
	<b>Thickness (suggestion):</b> ≤8MM material		
	<b>Router RPM (suggestion):</b> 50,000RPM ~ 55,000RPM (Observing cutting results, if the cut edge appears slightly scorched, we suggest slowing down or speeding up the Router RPM until the required results are achieved)		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Acrylic	≤8MM	50~120	50~500
MDF	≤8MM	50~120	100~500
Hard foam	≤8MM	50~120	100~500
Aluminium-plastic board	≤8MM	50~120	50~500
PVC (Hard)	≤8MM	50~120	100~500

Titanium CNC | Tool

# Foam Oscillating Tool

## Optional Extra

- Name:** Foam Oscillating Tool
- Postion:** K Side Installation
- Power:** 80W Maxon Motor(Swiss Made)
- Torque:** 45.9 mNm (Max Continuous Torque)
- Current:** 3.82A (Max Continuous Current)
- Voltage:** DC 24V
- RPM:** 13000/RPM
- Oscillating Stroke:** 2MM



**Foam Oscillating Tool**

<b>JWT-Z65</b>	<b>Thickness (suggestion): ≤55MM material</b>		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Foam (soft)	≤55MM	50~150	100~1000

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# Rotary Tool Optional Extra

**Name:** Rotary Tool

**Position:** K Side Installation

**Power:** 6W Maxon Motor (Swiss Made)

**Torque:** 9.4 mNm (Max Continuous Torque)

**RPM:** 9000/RPM



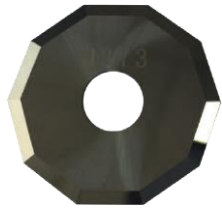
- › Tool for processing technical textiles and fabrics. The motor-driven rotary blade allows for very high processing speeds.
- › Use of rotary blades reduces drag force, clean separation of each individual fiber.



## Rotary Tool

<b>Rotary blade (J371)</b>	<b>Blade diameter:</b> 28MM		
	<b>Thickness (suggestion):</b> ≤6MM material		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Textile	≤6MM	100~600	1000~5000
Fabric	≤6MM	100~600	1000~5000
Carbon fiber	≤6MM	50~200	500~2000
Glass fiber	≤6MM	100~300	1000~3000
Sail cloth	≤6MM	100~600	1000~5000
Balloon silk	≤6MM	100~600	1000~5000
Flag material	≤6MM	100~600	1000~5000





## Rotary Tool

<b>Rotary blade (J373)</b>	<b>Blade diameter:</b> 32MM		
	<b>Thickness (suggestion):</b> ≤8MM material		
Material Name	Thickness	Cut Speed (suggestion)	Cut Accel (suggestion)
Textile	≤8MM	100~500	1000~4000
Fabric	≤8MM	100~500	1000~4000
Carbon fiber	≤8MM	50~200	500~2000
Glass fiber	≤8MM	100~300	1000~3000
Sail cloth	≤8MM	100~500	1000~4000
Balloon silk	≤8MM	100~500	1000~4000
Flag material	≤8MM	100~500	1000~4000