

## Cutter Blade Manual

The following describes items on cutter blade.

When the cutter blade is replaced, perform test cutting (cutting test) to adjust the cutter blade.

For operations of the plotter, refer to the user's manual of the plotter.

Contents of this manual and product specifications are subject to change without notice.

## Manual de la hoja de corte

A continuación se describen los elementos de la hoja de corte.

Cuando se sustituye la hoja de corte, realice cortes de prueba (prueba de corte) para ajustarla.

Consulte el manual de usuario del plóter para obtener información sobre su funcionamiento.

El contenido de este manual y las especificaciones del producto están sujetas a cambio sin previo aviso.

## Manual da Lâmina de Corte

O que se segue descreve os elementos da lâmina de corte,

Ao substituir a lamina de corte, faça cortes de teste (teste de corte) para a ajustar.

Para para obter informações sobre como manusear o plotador, por favor consulte o manual de usuário.

O conteúdo deste manual e as especificações do producto estão sujeitas a alterações sem aviso prévio.

## 刀片说明书

介绍刀片的相关项目。

更换刀片时，应进行试切（切割测试）并调整。

关于绘图机主体的操作，请参阅绘图机主体的使用说明书。

本说明书的内容和产品规格如有变更，恕不提前通知。

## 커터 칼날에 관한 설명서

절단기 날에 관한 항목을 설명합니다 .

절단기 날을 교환한 경우에는 컷 테스트 ( 테스트 컷 ) 를 실시하여 조정해 주십시오 .

플로터 본체 조작에 관해서는 플로터 본체의 취급 설명서를 참조해 주십시오 .

본서 내용 및 제품 사양은 예고 없이 변경될 수 있습니다 .

## カッター刃に関する説明書

カッター刃に関する項目を説明します。



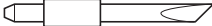
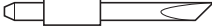

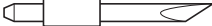
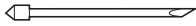
カッター刃を交換した場合は、テストカット (カッターテスト) を行い、調整してください。

プロッター本体の操作に関しては、プロッター本体の取扱説明書を参照してください。

本書の内容および製品の仕様は、将来予告なしに変更することがあります。

## Blade Application and Features

Referring to the blade application and features in the table below, select the optimal cutter blade and medium to be cut.

Blade part no. and type	Diameter	Plunger part no.	Applications and features
CB09UB 	Φ0.9mm	PHP33-CB09N-HS PHP35-CB09-HS	Standard blade for cutting color adhesive media. Suitable for cutting media up to 0.25 mm thick.
CB09UB-K60 	Φ0.9mm	PHP33-CB09N-HS PHP35-CB09-HS	Dedicated blade for cutting color media (film). Suitable for cutting media up to 0.25 mm thick.
CB15U 	Φ1.5mm	PHP33-CB15N-HS PHP35-CB15-HS	For cutting media which is too thick for the CB09UB blade to handle.
CB15UA 	Φ1.5mm	PHP33-CB15N-HS PHP35-CB15-HS	Blade for cutting high-intensity reflective film.
CB15U-K30 	Φ1.5mm	PHP33-CB15N-HS PHP35-CB15-HS	Blade for cutting thick material or small characters. The blade is the most acute and the cutting part is long.
CB15UA-K30 	Φ1.5mm	PHP33-CB15N-HS PHP35-CB15-HS	Blade for cutting high-intensity reflective film.
CB09-P 	Φ0.9mm	PHP33-CB09N-HS PHP35-CB09-HS	Blade for cutting color adhesive media.

### CAUTION

To avoid bodily injury, handle cutter blades with care.

## Setting the Tool Condition

This section describes how to make the tool, speed, force, acceleration, and tool number settings.

Before cutting media, the following four cutter-pen conditions must be specified.

- **FORCE**
- **SPEED**
- **ACCELERATION**
- **OFFSET**

### **CAUTION**

It may result to damaging the cutter blade or the cutting mat if the blade is extended too much. Make sure the blade length is set less than the thickness of the media.

### Tool Conditions (Cutter Blade) for Each Media Type

Media type	Thickness (mm)	Blade used	Force	Speed (cm/s)	Acceleration
Film for outdoor use	0.05 to 0.08	CB09UB	10 to 14	30 or under	4 or under
Film for decorative use	0.08 to 0.1	CB09UB	14 to 17	30 or under	4 or under
Film for outdoor use	0.05 to 0.08	CB15U	10 to 14	20 or under	1
Transparent or semitransparent film	0.08 to 0.1	CB09UB	14 to 20	30 or under	4 or under
Reflective film	0.08 to 0.1	CB09UB	14 to 20	30 or under	4 or under
Fluorescent film	0.20 to 0.25	CB09UB, CB15U	20 to 24	20 or under	4 or under
Thick materials	0.5 to 0.1	CB15U-K30	17 to 24	15 or under	4 or under
High-intensity reflective film	0.25 to 0.3	CB15UA	24 to 35	30 or under	1
Tint film	–	CB09UB-K60	10 to 20	15 or under	2 or under
Paint protection film	–	CB09UB	14 to 35	30 or under	4 or under

### Blade Part Nos., Displayed Blade Types, and CUTTER OFFSET Values

Blade material/tool	Blade type	LCD panel indication		Setting range	Setting value for other
		Blade (tool) type	Default value		
Cemented carbide	CB09UB	CB09U	0	±5	18
	CB09UB-K60	CB09U-K60	0	±5	18
	CB15U	CB15U	0	±5	30
	CB15UA	CB15U	0	±5	30
	CB15U-K30	CB15U-K30	0	±5	30
	CB15UA-K30	CB15U-K30	0	±5	30
Other		OTHER	18	1 to 45	–
Poncing		POUNCE	1.0mm (between the holes)	1 to 99 (mm)	–
Pen		PEN	N/A	N/A	0

When the CB09-P blade is used, please set the cutter blade type to the CB09U.

## Reference Pen Conditions for Plotting Pen

Pen type	Part no.	Force	Speed (cm/s)	Acceleration
Water-based fiber-tip pen	KF700 series	10 to 16	30 or under	4 or under
Oil-based ballpoint pen	KB700-BK	14 to 24	60 or under	4 or under

To prolong the pen life, set the FORCE to the lowest setting, and set the SPEED after checking to confirm that there are no faint lines or other problems during plotting.

## Supplies

Item	Model	Contents
Cutter blade	CB09UB-5	Φ 0.9 mm diameter, supersteel blade (set of 5)
	CB09UB-K60-5	Φ 0.9 mm diameter, supersteel blade (set of 5)
	CB15U-5	Φ 1.5 mm diameter, supersteel blade (set of 5)
	CB15UA-5	Φ 1.5 mm diameter, supersteel blade (set of 5)
	CB15U-K30-5	Φ 1.5 mm diameter, supersteel blade (set of 5)
	CB15UA-K30-5	Φ 1.5 mm diameter, supersteel blade (set of 5)
	CB09-P	Φ 0.9 mm diameter, supersteel blade (set of 5)

Please check our company's home page for the latest information on supplies.