GRAPHTEC

FC9000 BLADES

		CB09UB	**Angle 45° Diameter 0.9mm** Standard blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.
		CB09UB−K60	**Angle 60° Diameter 0.9mm** Supersteel Blade for cutting the window tint film or thin film, up to 0.25 mm thick.
		CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)
		CB15UA	**Angle 45° Diameter 1.5mm** Supersteel Blade for cutting high-intensity reflective film or harder film.
		CB15U−K30	**Angle 30° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 0.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and Avery Series of Reflective sheeting.
		CB15UA−K30	**Angle 30° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 0.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and Avery Series of Reflective sheeting.
		CT01H	**Cross Cutter** Standard blade
		CT02U	**Cross Cutter** Supersteel Blade

Please refer to the users manual for blade/application compatibility.

FC9000 BLADE−HOLDERS

		PHP31−	FIBERSTEADTLER Lumocolor holder.
		PHP33−CB09N−HS SPRING BUILT−IN	**Compatible with blades: CB09UA, CB09UA-K60, CB09UB, CB09UB-K60** 0.9mm, blue top, black ABS tip. Not recommended for CB09UA blades with springs.
		PHP33−CB15N−HS SPRING BUILT−IN	**Compatible with blades: CB15U, CB15U-K30*, CB15UA, CB15U-K20-2SP, CB15UA-K30, CB15UB** 1.5mm**, red top, black ABS tip.
		PHP34−BALL	Ballpoint pen holder for black, oil based pen (KB700-BK).
		PHP35−CB09−HS SPRING BUILT−IN	**Compatible with blades: CB09UA, CB09UA-K60, CB09UB, CB09UB-K60** 0.9mm, blue top, black brass tip. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holders, plungers are more rigid and lend to more accurate cutting.
		PHP35−CB15−HS PHP35−CB15N−HS SPRING BUILT−IN TYPE	**Compatible with blades: CB15U, CB15U-K30*, CB15UA, CB15U-K20-2SP, CB15UA-K30, CB15UB** 1.5mm**, red top, black brass tip. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** REMOVE CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring to more accurate cuts.

* Suitable for a rigid media, 0.25 mm to 0.5 mm thick or cutting small detailed characters on marking film (up to 0.25mm). ** Require to remove spring.

Recommended Setting On Control Panel: CB15U-K30 **Offset** +2, **Force** 10-14, **Speed** 30 or less, **Acceleration** 4

GRAPHTEC

CE7000 BLADES

	CB09UB	**Angle 45° Diameter 0.9mm** Supersteel blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.
	CB09UB−K60	**Angle 60° Diameter 0.9mm** Supersteel Blade for cutting the window tint film or thin film, up to 0.25 mm thick.
	CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)
	CB15UA	**Angle 45° Diameter 1.5mm** Supersteel Blade for cutting high-intensity reflective film or harder film.
	CB15U−K30	**Angle 30° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 0.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and Avery Series of reflective sheeting.
	CB15UA−K30	**Angle 30° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 0.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and Avery Series of reflective sheeting.

Please refer to the users manual for blade/application compatibility.

CE7000 BLADE−HOLDERS

	PHP31−	FIBERSTEADTLER Lumocolor holder.
	PHP33−CB09N−HS SPRING BUILT−IN	**Compatible with blades: CB09UA, CB09UA-K60, CB09UB, CB09UB-K60** Designed for use with 0.9mm CB09UB Blades for vinyl and window tint film cutting. Not recommended for CB09UA blades with springs.
	PHP33−CB15N−HS SPRING BUILT−IN	**Compatible with blades: CB15U, CB15U-K30*, CB15U, CB15UA, CB15UA-K30, CB15U-K30** For use with 1.5mm** CB15 Blades.
	PHP34−BALL	Ballpoint pen holder for black, oil based pen (KB700-BK).
	PHP35−CB09−HS SPRING BUILT−IN	**Compatible with blades: CB09UA, CB09UA-K60, CB09UB, CB09UB-K60** 0.9mm Blade-holder with blue top, and brass tip / for 0.9mm CB09 blades. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holder, plungers are more rigid and lend to more accurate cuts.
	PHP35−CB15−HS PHP35−CB15N−HS SPRING BUILT−IN	**Compatible with blades: CB15U, CB15U-K30*, CB15U, CB15UA, CB15UA-K30, CB15U-K30** 1.5mm** Blade-holder with red top, and brass tip for CB15 blades. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** Remove CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring to more accurate cuts.

* Suitable for a rigid media, 0.25 mm to 0.5 mm thick or cutting small detailed characters on marking film (up to 0.25mm). ** Required spring removal.

Recommended Setting On Control Panel: OTHER* **Offset** +31, **Force** 10-14, **Speed** 30 or less, **Acceleration** 2
CE7000-40, 60, and 130 Plus only. * CB15U-K30 can not be selected as the tool type. Please select (OTHER) instead.

GRAPHTEC

FC8600 BLADES

UA blades are recommended for rigid medias due to their modified blade tip.

	CB09UB	**Angle 45° Diameter 0.9mm** Standard blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.
	CB09UB-K60	**Angle 30° Diameter 0.9mm** Supersteel Blade for cutting the window tint film or thin film, up to 0.25 mm thick.
	CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)
	CB15UA	**Angle 45° Diameter 1.5mm** Supersteel Blade for cutting high-intensity reflective film or harder film.
	CB15U-K30	**Angle 60° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 1.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and high intensity reflective sheeting. **NOTE: USA 60° Japan 30°**
	CB15UA-K30	**Angle 60° Diameter 1.5mm** Supersteel Blade for cutting **Thicker Media**, 0.25 mm to 1.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and **HIGH INTENSITY REFLECTIVE** sheeting. **NOTE: USA 60° Japan 30°**
	CT01H	**Cross Cutter** Standard blade
	CT02U	**Cross Cutter** Supersteel Blade

FC8600 BLADE-HOLDERS

Recommended control-panel setting for small-detailed character cutting:
CB15U-K30 **Offset** +2, **Force** 10-14, **Speed** 30 or less, **Acceleration** 4

	PHP31-FIBERSTEADTLER	FIBERSTEADTLER Lumocolor holder.
	PHP33-CB09N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** 0.9mm, blue tip, black ABS tip. Not recommended for CB09UA blades with springs.
	PHP33-CB15N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-K30, CB15UA, CB15U-K20-2SP, CB15UA-K30** 1.5mm, red tip, black ABS tip.
	PHP34-BALL	Ballpoint pen holder for black, oil based pen (KB700-BK).
	PHP35-CB09-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** 0.9mm, blue top, black brass tip. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holders, plungers are more rigid and lend to more accurate cutting.
	PHP35-CB15-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-K30, CB15UA, CB15U-K20-2SP, CB15UA-K30** 1.5mm, red top, black brass tip. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** REMOVE CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring.

GRAPHTEC
FCX2000 BLADES

UA blades are recommended for rigid medias due to their modified blade tip.
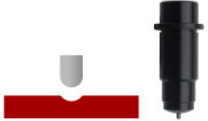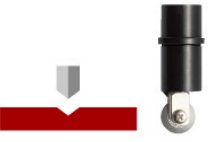
	CB09UB	**Angle 45° Diameter 0.9mm** Supersteel blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.
	CB09UB-K60	**Angle 30° Diameter 0.9mm** Supersteel Blade for cutting the window tint film or thin film, up to 0.25 mm thick.
	CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)
	CB15UA	**Angle 45° Diameter 1.5mm** Supersteel Blade with a modified blade tip for cutting high-intensity reflective film or harder film.
	CB15U-K30	**Angle 60° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 1.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and high intensity reflective sheeting. **NOTE: USA 60° Japan 30°**
	CB15UA-K30	**Angle 60° Diameter 1.5mm** Supersteel Blade for cutting **Thicker Media**, 0.25 mm to 1.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and **HIGH INTENSITY REFLECTIVE** sheeting. **NOTE: USA 60° Japan 30°**
	CB30UC-1	**Angle 45° Diameter 3mm** Supersteel Blade for cutting thick rigid materials such as corrugated paper up to E flute or chip board up to 2 mm thick.
	PM-CB-001	**Angle 60° Diameter 3mm** Supersteel Blade for cutting thick rigid materials such as soft plastic, rubber, E-Flute

FCX2000 BLADE-HOLDERS

Recommended control-panel setting for small-detailed character cutting:
15U-K30 **Offset** +2, **Force** 10-14, **Speed** 30 or less, **Acceleration** 3

	PHP31-FIBERSTEADTLER	FIBERSTEADTLER Lumocolor holder.
	PHP33-CB09N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** Designed for use with 0.9mm CB09UB blades for vinyl and window tint film cutting. Not recommended for CB09UA blades with springs.
	PHP33-CB15N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U-K30, CB15U, CB15UA, CB15U-K20-2SP, CB15UA-K30** For use with 1.5mm CB15 Blades.
	PHP34-BALL	Ballpoint pen holder for black, oil based pen (KB700-BK).
	PHP34-CB30-HS	**Compatible with blades: CB30UC-1, PM-CB-001**
	PHP35-CB09-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** 0.9mm Blade-holder with blue top, and brass tip / for 0.9mm CB09 blades. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holder, plungers are more rigid and lend to more accurate cuts.
	PHP35-CB15-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-2SP, CB15U-5SP, CB15U-K30, CB15UA, CB15U-K20-2SP, CB15UA-K30** 1.5mm Blade-holder with red top, and Brass Tip For CB15 Blades. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** REMOVE CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring.
	PHP71-SHARPIE	Sharpie holder with a metal sleeve that can be used on our FC and CE series cutters.

FCX2000 CREASING TOOL

		CP-001	Stick type for heavy paper
		CP-002	Stick type for cardboard
		CP-003	Roller type for corrugated board
		PM-CT-002	Pen type for curves on heavy paper
		CPGA-011	Creasing tool 0.03" fine tipped creasing tool for paper
		CPGA-012	Creasing tool 0.05" tip creasing tool for cardboard

GRAPHTEC

FCX4000 ◢◣◤◥ BLADES

UA blades are recommended for rigid medias due to their modified blade tip.

	CB09UB	**Angle 45° Diameter 0.9mm** Supersteel blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.
	CB09UB-K60	**Angle 30° Diameter 0.9mm** Supersteel Blade for cutting the window tint film or thin film, up to 0.25 mm thick.
	CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)
	CB15UA	**Angle 45° Diameter 1.5mm** Supersteel Blade for cutting high-intensity reflective film or harder film.
	CB15U-K30	**Angle 60° Diameter 1.5mm** Supersteel Blade for cutting rigid media, 0.25 mm to 1.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and high intensity reflective sheeting. **NOTE: USA 60° Japan 30°**
	CB15UA-K30	**Angle 60° Diameter 1.5mm** supersteel Blade for cutting **Thicker Media**, 0.25 mm to 1.5 mm thick. And also small detailed characters on marking film (up to 0.25mm). Recommended blade for sandblast rubber resist media cutting and **HIGH INTENSITY REFLECTIVE** sheeting. **NOTE: USA 60° Japan 30°**

FCX4000 ◢◣◤◥ BLADE-HOLDERS

Recommended control-panel setting for small-detailed character cutting:
15UK-30 **Offset** +2, **Force** 10-14, **Speed** 30 or less, **Acceleration** 3

	PHP31-FIBERSTEADTLER	FIBERSTEADTLER Lumocolor holder. **NOTE: Not compatible with FC4500-50**
	PHP33-CB09N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** Designed for use with 0.9mm CB09UB blades for vinyl and window tint film cutting. Not recommended for CB09UA blades with springs.
	PHP33-CB15N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U-K30, CB15U, CB15UA, CB15U-K20-2SP, CB15UA-K30** For use with 1.5mm CB15 Blades.
	PHP34-BALL	Ballpoint pen holder for black, oil based pen (KB700-BK).
	PHP35-CB09-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** 0.9mm Blade-holder with blue top, and brass tip / for 0.9mm CB09 blades. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holder, plungers are more rigid and lend to more accurate cuts.
	PHP35-CB15-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-2SP, CB15U-5SP, CB15U-K30, CB15UA, CB15U-K20-2SP, CB15UA-K30** 1.5mm Blade-holder with red top, and Brass Tip For CB15 Blades. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** REMOVE CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring.
	PHP71-SHARPIE	Sharpie holder with a metal sleeve that can be used on our FC and CE series cutters.

FCX4000 CREASING TOOLS

	CP-001	Stick type for heavy paper	
	PM-CT-002	Pen type for curves on heavy paper	
	CPGA-011	Creasing tool 0.03" fine tipped creasing tool for paper	
	CPGA-012	Creasing tool 0.05" tip creasing tool for cardboard	

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CE6000 BLADES

UA blades are recommended for rigid medias due to their modified blade tip.

	CB09UB	**Angle 45° Diameter 0.9mm** Supersteel blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.	
	CB09UB-K60	**Angle 30° Diameter 0.9mm** Supersteel Blade for cutting the window tint film or thin film, up to 0.25 mm thick.	
	CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)	
	CB15UA	**Angle 45° Diameter 1.5mm** Supersteel Blade for cutting high-intensity reflective film or harder film.	

TOOL CONDITIONS FOR EACH MEDIA TYPE

Media type	Thickness (mm)	Blade used	Force	Speed (in/s)	Acceleration	SIMPLE MODE: INITIAL VALUE	
						Standard Value Cut Force	Speed (in/s)
Film for outdoor use	0.05 - 0.08	CB09UB	10 -14	12" or under	2	(12)+0	8"
Film for decorative use	0.08 - 0.1	CB09UB	14 - 17	12" or under	2	(15)+0	8"
Transparent or semitransparent film	0.08 - 0.1	CB09UB	14 - 20	12" or under	2	(17)+0	8"
Reflective film	0.08 - 0.1	CB09UB	14 - 20	12" or under	2	(17)+0	8"
Fluorescent film	0.20 - 0.25	CB09UB, CB15U	20 - 24	4" - 8"	2	(22)+0	6"
Car film	0.05 - 0.08	CB09UB-K60	14 - 20	2" - 6"	2		

When a blade type has been selected, the **OFFSET** is automatically adjusted by ±5 with respect to the default cutter offset value for that blade type. Select **OTHER** to use settings other than those displayed for hard-to-cut media. Select pen to set the plotting pen.

CE6000 BLADE-HOLDERS

Recommended control-panel setting for small-detailed character cutting:
OTHER **Offset** +31, **Force** 10-14, **Speed** 30 or less, **Acceleration** 2
CE6000-40 Plus, 60 Plus, and 120 Plus only. CB15U-K30 can not be selected as the tool type. Please select (OTHER) instead.

	PHP31-FIBERSTEADTLER	FIBERSTEADTLER Lumocolor holder.	
	PHP33-CB09N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** Designed for use with 0.9mm CB09UB Blades for vinyl and window tint film cutting. Not recommended for CB09UA blades with springs.	
	PHP33-CB15N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-K30, CB15U, CB15UA** For use with 1.5mm CB15 Blades.	
	PHP34-BALL	Ballpoint pen holder for black, oil based pen (KB700-BK).	
	PHP35-CB09-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** 0.9mm Blade-holder with blue top, and brass tip / for 0.9mm CB09 blades. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holder, plungers are more rigid and lend to more accurate cuts.	
	PHP35-CB15-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-K30, CB15U, CB15UA, CB15U-K30** 1.5mm Blade-holder with red top, and brass tip for CB15 blades. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** Remove CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring.	

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ASC AUTOMATIC SHEET CUTTER ▲▲▲▲ BLADES

	CB09UB	**Angle 45° Diameter 0.9mm** Supersteel blade for vinyl cutting, and self-adhesive marking film (PVC film), up to 0.25 mm thick. The maximum cutting distance is approximately 13,123 Feet.
	CB15U	**Angle 45° Diameter 1.5mm** Supersteel blade for cutting rigid or thicker media, 0.25 mm to 0.5 mm thick. (laminates, smart device, device screen protection media)

ASC AUTOMATIC SHEET CUTTER ▲▲▲▲ BLADE-HOLDERS

Recommended control-panel setting for small-detailed character cutting:
OTHER **Offset** +31, **Force** 10-14, **Speed** 30 or less, **Acceleration** 2

CE6000-40 Plus, 60 Plus, and 120 Plus only. CB15U-K30 can not be selected as the tool type. Please select (OTHER) instead.

	PHP33-CB09N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** Designed for use with 0.9mm CB09UB Blades for vinyl and window tint film cutting. Not recommended for CB09UA blades with springs.
	PHP33-CB15N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-K30, CB15U, CB15UA** For use with 1.5mm CB15 Blades.
	PHP35-CB09-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB09UB, CB09UB-K60** 0.9mm Blade-holder with blue top, and brass tip / for 0.9mm CB09 blades. **ATTENTION:** If you are using CB09UA Blade (with spring); Insert only the CB09UA blade without the spring. This blade-holder, plunger design already includes an internal spring. These brass tip blade-holder, plungers are more rigid and lend to more accurate cuts.
	PHP35-CB15-HS PHP35-CB15N-HS SPRING BUILT-IN TYPE	**Compatible with blades: CB15U, CB15U-K30, CB15U, CB15UA, CB15U-K30** 1.5mm Blade-holder with red top, and brass tip for CB15 blades. These brass tip blade-holders/plungers are more rigid and lend to more accurate cutting. **NOTE:** Remove CB15 SP Blade spring before installing into this Blade-holder. DO NOT install any blade spring.

GRAPHTEC

CE Lite-50 BLADES

	PM-BS-001	**Standard blade -** normal media (film, paper, others)
	PM-BS-002	**Long blade -** thick media (soft rubber, polyurethane sheet up to 1 mm)
	PM-CC-001	**Cross Cutter - f**or manually cutting from sheets and rolls

CE Lite-50 PEN ADAPTER

	PM-BH-001	Ballpoint pen adapter PM-BH-001 diameter 8 - 11.3 mm. for Graphtec CE Lite-50