



KAMA's production facilities: The certified, old-established company has always been head-quartered in Dresden.

#### TO PROCESS OR TO HAVE PROCESSED?

#### KAMA takes value added in-house

➤ KAMA ProCut die cutters extend the range of services for post-press and finishing jobs.

➤ Each sheet gains value with any additional processing step. In particular at the end of the production chain, it is sensible to keep control over the process.

➤ Major factors of success, such as cutting and finishing quality and deadlines, remain in your hands with a KAMA ProCut die cutter. Shipment costs, delays and risks are not an issue for you.

➤ KAMA ProCut die cutters give small firms the flexibility they need and keep high-performance cutters free for big jobs in large firms.

➤ It is always worth comparing the costs of subcontracting cutting jobs with the investment and running costs of a KAMA die cutter. The break-even order volume is often lower than you might think!

➤ With doubled production output or more, a ProCut die cutter comes off well when comparing its efficiency with that of a cylinder cutter. In addition, it offers higher output quality and a wider range of applications.



#### ➤ Cliché/die positioning system KAMA CPX

With the unique positioning system CPX, foiling and embossing clichés/dies are mounted easily, quickly and precisely on the cold mounting plate away from the cutter. Thermal expansion of plate and dies will be calculated and compensated automatically. Ideal for all positioning work (hot foil, hologram, cold embossing) as well as for set up die cutting forms.

The KAMA cliché positioning system is available as CPX 76 and CPX 105.

#### IDEAS CREATE VALUE.

#### A short portrait of KAMA

➤ Versatile. Powerful. Innovative. KAMA GmbH in Dresden develops and manufactures top-quality automatic die cutters and folder-gluer. KAMA machines stand for precision and quality in the further processing and finishing of printed products. With a wide range of applications, short set-up times and an impressive value for money record, these all-rounders with multiple uses are establishing their market position year by year.

Since the tradition-steeped mechanical engineering firm introduced the first automatic die cutter to the world in 1937, engineers at KAMA have been developing innovative solutions for the latest challenges and trends in print finishing. Like the hot foil stamping system with quick mode change. Like the hot-cut system for cutting plastics. And like the hologram stamping module.

KAMA machines are currently being used successfully in more than 60 countries and are marketed in collaboration with bespoke printing machine manufacturers and distributors.

#### QUICK AND COMPETENT: KAMA customer service

➤ Machine demonstration, investment planning and technical support, installation, test run and operator training: KAMA's service team assists customers optimally during the entire life of the machine. The high resale value makes favourable leasing conditions possible.

KAMA has been putting its stamp on the future for over 100 years.

1894 KAMA is founded in Dresden under the name SCAMAC AG

1937 KAMA develops the world's first automatic die cutter

1972 KAMA launches the award-winning folder-gluer FKM 100

1994 KAMA is re-established as a company with limited liability (GmbH)

1999 The high-quality half-size die cutter TS 74 is launched

2000 Modern production facilities are opened in Dresden

2002 KAMA develops a hot foil stamping module

2005 Hot-cut system for cutting plastics is launched

2006 Premiere of the KAMA ProCut 74 with hologram module

2007 Presentation of the ProFold 74 folder-gluer

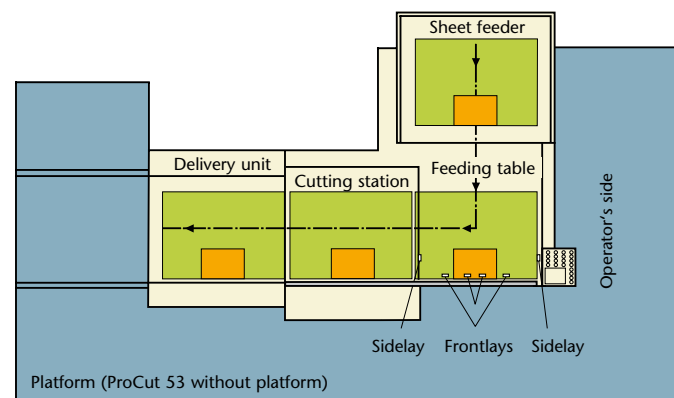
2008 The world's first flat-bed cutter for small-size sheets ProCut 53 is launched

2010 KAMA develops the interactive Job Planner for the ProFold folder-gluer

2011 ProCut 74 SE as modern successor for old cylinders

2012 Launch of the first flat-bed die cutter for format 760 x 600 mm, ProCut 76

#### Sheet passage on KAMA ProCut die cutters



Maximum size  
Minimum size

#### Technical data

	KAMA ProCut 53 Foil	KAMA ProCut 74 SE*	KAMA ProCut 76 Foil
Paper, cardboard, plastics	80 – 800 gsm (4.4 – 32 pts)	100 – 800 gsm (6 – 32 pts)	100 – 800 gsm (6 – 32 pts)
Cardboard, micro-corrugated board**	–	up to 1 500 gsm or 1.8 mm (80 pts)	bis 1 500 g/m <sup>2</sup> bzw. 1.8 mm (80 pts)
Maximum sheet size	530 x 400 mm (20 <sup>7</sup> / <sub>8</sub> x 15 <sup>3</sup> / <sub>4</sub> in)	740 x 600 mm (29.1 x 23.6 in)	760 x 600 mm (30 x 23 <sup>3</sup> / <sub>8</sub> in)
Minimum sheet size	210 x 148 mm (8 <sup>1</sup> / <sub>4</sub> x 5 <sup>3</sup> / <sub>4</sub> in)	279 x 210 mm (11 x 8.3 in)	279 x 210 mm (11 x 8 <sup>1</sup> / <sub>4</sub> in)
Maximum cutting size	510 x 380 mm (20 <sup>1</sup> / <sub>16</sub> x 15 in)	720 x 580 mm (28.4 x 22.8 in)	740 x 580 mm (29 <sup>1</sup> / <sub>8</sub> x 22 <sup>3</sup> / <sub>4</sub> in)
Minimum gripper margin	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)
Maximum machine performance***	6 000 sheets/h	5 000 sheets/h	5 500 sheets/h
Maximum cutting force	120 t (130 US tons)	150 t (165 US tons)	165 t (180 US tons)
Maximum stacking height (feeder)	700 mm (28 in)	1 150 mm (45 in)	1 160 mm (46 in)
Maximum stacking height (delivery unit)	500 mm (20 in)	910 mm (38 in)	985 mm (39 in)
Dimensions (length x width)	2 600 x 1 750 mm (102 x 69 in)	4.800 x 2.600 mm (190 x 102 in)	4 870 x 2 690 mm (190 x 102 in)
Net weight	3 000 kg	5 000 kg	5 500 kg

\* not to retrofit with hot foil stamping system, hologram and MPC

\*\* when using a cardboard kit (optional) or single-sheet feeding.

\*\*\* dependent on material, application, sheet size and die configuration. Technical data and figures are subject to change.



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## FINISHING AND BEYOND



NEW  
ProCut 76

## KAMA ProCut Automatic Finishing Die Cutters

Perfect solutions for post-press and finishing processes. KAMA die cutters take value added in-house. Hot foil stamping, holograms, and cutting plastics as options.





**Cutting and finishing:**  
**Wide range of applications**  
 KAMA ProCut 53, ProCut 74 SE and ProCut 76 die cutters are perfect to process a wide range of products such as presentation folders, CD pockets, displays, papercraft sheets, window stickers, flyers, calendars, customer cards, cardboard toys, book covers, register sheets, packaging material, product badges, banderols, tax seals, promotion badges. Kiss-cut applications such as stickers, inspection tags, adhesive labels etc. Finishing by cold embossing, hot foil stamping, combined embossing and hot foil stamping, and hologram stamping.

**Through thick and thin:**  
**A variety of materials**

KAMA finishing cutters process paper, paperboard, cardboard, micro-corrugated board (including laminated) and plastic materials. For cutting, creasing, perforating, kiss-cutting and cold embossing. Hot-foil stamping, combined embossing and hot foil stamping, hologram stamping or hot cutting – the quality is always convincing.

**Resourcefully guided:**  
**Gentle sheet transport**

Thanks to the ProCut principle of a moving upper table, the sheet is transported gently on one level. Additional benefit: few or no nicks at all are required in the blanks. This makes guillotining stages superfluous and facilitates stripping.

**Job set-up at record speed:**  
**Flexible cutting and finishing**

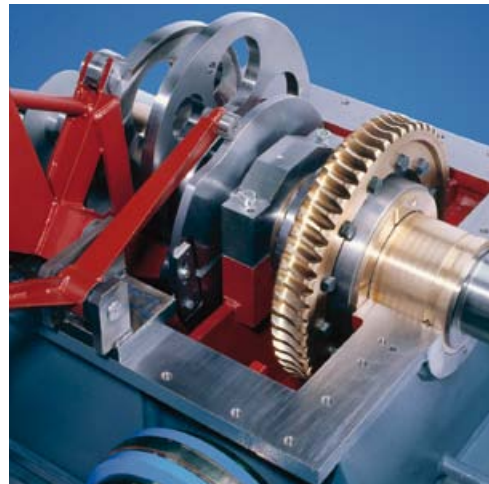
Changeover from hot foil stamping to cutting is done in a jiffy with the ProCut die cutters. It takes less than 10 minutes to replace the portable heating plate with its insulated frame for a standard chase. You can start cutting or creasing the next job immediately without waiting for cool-down – at a continuously 100 % high register accuracy ( $\pm 0,1$  mm).

**Quality and safety:**  
**The operator's friend**

KAMA die cutters fulfil all international safety standards and are quickly ready for operation. A touch panel with pictogram control makes it very easy to operate.



The compact main drive with worm gear ensures smooth running. Low maintenance.

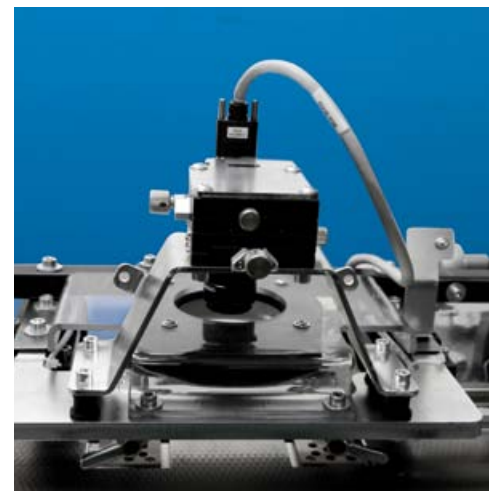


Space-saver: the ProCut 53 Foil with hot foil system offers a wealth of applications for sheet size B3, also perfect for finishing digital prints.



**EVERY SHEET PRECISE IN REGISTER:**  
**NEW: AutoRegister for high-end finishing in any workflow**

➤ Highest register accuracy of die cutting lines, blind embossing and hot foil stamping with sheets made with any printing method – that must be KAMA AutoRegister. The new option for ProCut 53 and ProCut 76 aligns each sheet with an accuracy of 0.1 mm to a printing mark. For this, a camera detects the sheet position while the sheet is held by the gripper. Position deviations are corrected immediately by two servo motors, both in and across the direction of sheet travel (X and Y direction). This option makes it possible to process digitally printed sheets and sheets which have already been cut after printing while maintaining high register accuracy. AutoRegister provides for high-end finishing in a digital workflow – for top-quality commercial printing and short runs in the demanding packaging printing sector.



New option: AutoRegister for KAMA ProCut 53 and ProCut 76.

**FLEXIBLE USE:**

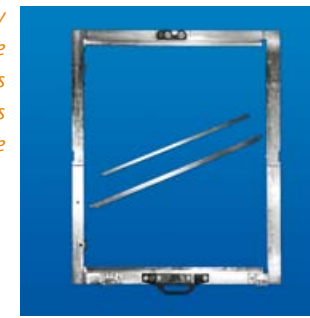
**Tools, options and solutions for special tasks**

➤ The wide range of applications, quick changeover, and well-thought-out solutions for special converting tasks characterise the automatic die cutters of the ProCut series. A selection of tools at a glance:

➤ **NEW: Universal chase**

Ingeniously simple: the universal chase for the ProCut 76 can hold dies of any size and allows quick adjustment using the integrated adjusting device.

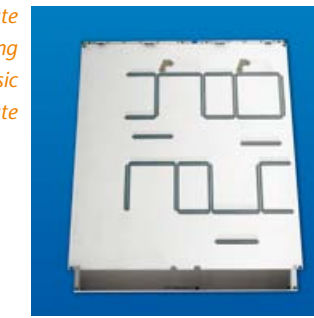
The finely adjustable clamping bars fix small dies in the frame



➤ **Platen changing system 4+1**

Dramatically improved set-up times for repeat orders with a lot of creasing lines. Prepared mounting plate (1 mm; soft, medium or hard) is mounted on basic plate (4 mm).

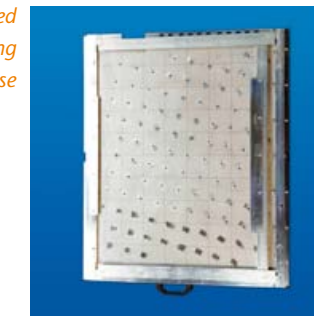
Mounting plate with creasing lines on basic plate



➤ **Special chases**

To mount existing dies or small dies on a predrilled chase (s. picture) or on a special chase with clamping bars.

Predrilled mounting chase



➤ **Quick-change heating plate system for hologram and hot foil dies**

Job change in a jiffy: heated chase with detachable aluminium plate for die mounting in advance.

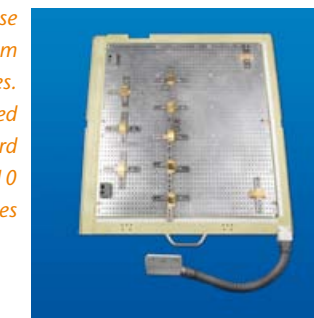
Quick heating plate system with detachable mounting plate. Dies can be already mounted whilst heating plate is still in use for another job



➤ **Hologram stamping module**

Often required as a security feature, i.e. for brand protection. With foil advance controller, special sensors and motor for precise positioning.

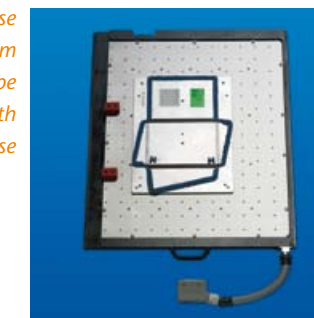
Heated chase with hologram stamping dies. To be replaced with standard chase in 5 – 10 minutes



➤ **Hot-cut system for plastics**

The new quality of cutting plastics. Heated cutting and creasing blades process up to 1 mm thick plastic materials with clear cut edges.

Heated chase with aluminum tools. To be replaced with standard chase



➤ **NEW: Magnetic base**

For cutting and kiss-cutting filigree contours and special cut angles with flexible steel dies on a magnetic base.

Carrier plate with permanent magnet to mount flexible steel dies



➤ **Motorized pressure setting (MPC)**

For precise, quick and effortless adjustment of cutting pressure. The system instantly reduces the pressure if double sheet is detected or when the job is completed.

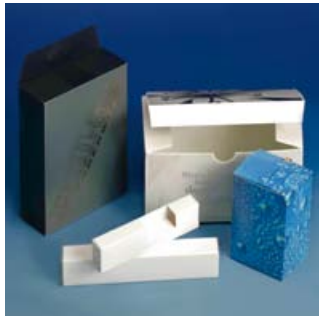
For quick and precise adjustment of the cutting pressure needed



➤ **NEW: Digital indicator for pressure**

Indicates the effective cutting pressure digitally in the main menu. Warning in case of overload.

Warning signal and auto-stop protect the cutter against excessive cutting pressure



Cutting, creasing, hot foil stamping in commercial and packaging printing: The versatile ProCut die cutters can be used very flexibly.

