



Cutting and finishing:
Wide range of applications
 KAMA ProCut 53, ProCut 74 and ProCut 105 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.

Flexible finishing:
Efficiency for small runs
 Cutting, hot foil stamping, creasing ... Machine change-over just takes 5–10 minutes with the ProCut die cutters. This is what makes them so flexible. And finishing so profitable even for small runs.

Precisely and cleanly cut edges:
High-quality cut products
 The ProCut principle of a moving upper table keeps the forces exerted on the sheet at a minimum. Thanks to the one-level sheet pass, the blanks require only a few or even no nicks at all. This makes guillotining stages unnecessary and improves efficiency.

High level of 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.



Options: hot foil stamping, holograms, and hot cutting of plastics

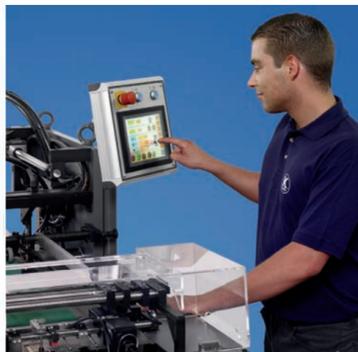
High quality in every detail: components and assembly "Made in Germany"



Folded box, packaging film or CD cover: the new hot-cut system developed by KAMA processes plastics quickly and precisely.



Everything's under control on the pictogram-based touch panel.



Set-up work can be carried out conveniently in the turning station of the ProCut 74.



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



CLEVERLY DESIGNED AND ROBUST:
The ProCut principle of a moving upper table

➤ KAMA has developed the successful principle of a moving upper table for high-quality cut products: the sheet is fed through the whole process on one level, thus protecting the material. With minimum strain exerted on the sheet after cutting operations. The upper table is lifted quickly, thereby generating a low-pressure zone that cautiously detaches the sheet from the platen. The sheet is transported out of the cutting station on an air cushion. A further benefit: the blanks require no or only few nicks – additional guillotining operations become superfluous with many cutting jobs.

SIMPLY PRECISE:
Optimised sheet transport from the suction-belt feed board to the delivery unit

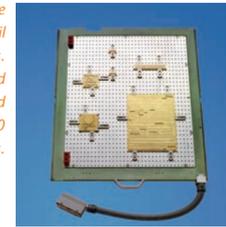
➤ The stream feeder takes the sheets from an input stack arranged at right angles to the processing direction, thus ensuring a smooth sheet feed. A low-wear gripper with an optimised motion sequence holds the sheet on its long side and transports it to the cutting station. The suction-belt feed board, which is unique with cutting machines, makes it possible to transport the sheet contactless right into the gripper. The sheet feeder can be switched to single sheet feeding. Thanks to their space-saving design, the KAMA ProCut 53 and ProCut 74 require very little space: 12 m² and 20 m², respectively, including work areas.

THE WAY OF VERSATILE PRINT FINISHING:
Optional equipment for the ProCut die cutters

➤ A unique variety of applications, extremely quick change-over and approved solutions for special cases: that is what the ProCut 53, ProCut 74 and ProCut 105 finishing die cutters provide. Select your optional equipment for the versatile machines and position yourself in the profitable market of print finishing.

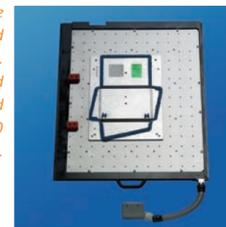
➤ **Hot foil stamping module**
 The answer to the trend towards high-quality finishing. With a 4 or 6-zone heating plate and 1 or 2 individually programmed foil feeders.

Heated chase with hot foil 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 cutting and creasing blades. To be replaced with standard chase in 5–10 minutes.



➤ **Special chases**
 To mount existing dies or small dies: on a predrilled chase (a) or on a special chase with clamping bars (b).

Predrilled mounting chase (a)



Mounting chase with adapter box (b)



➤ **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.



➤ **Plate 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.



➤ **Motorised pressure setting**
 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.

➤ **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.



➤ **NEW: Magnetic base**
 For die cutting and kiss-cutting finest outlines using flexible dies on a magnetic flat base.

➤ **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 CPX fits to all ProCut die cutters and is adaptable to machines of other manufacturers.





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.



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

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

2004 Series production of the new TS 105 automatic die cutter is commenced

2005 Hot-cut system for cutting plastics is launched

2006 Premiere of the KAMA ProCut 74 with hologram module

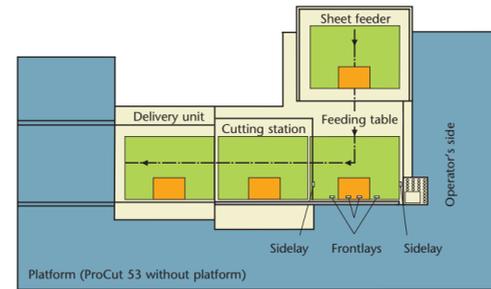
2007 Presentation of the ProFold 74 folder-gluer

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

2009 First „KAMA Finishing Days“ with new hot foil stamping module for the ProCut 53

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

Sheet passage on KAMA ProCut die cutters



Technical data

	ProCut 53	ProCut 74	ProCut 105
Paper, cardboard, plastics	80 – 800 gsm (4.4 – 32 pts)	100 – 800 gsm (6 – 32 pts)	150 – 800 gsm (7 – 32 pts)
Cardboard, micro-corrugated board**	–	up to 1500 gsm or 1.8 mm (80 pts)	up to 1500 gsm or 1.8 mm (80 pts)
Maximum sheet size	530 x 400 mm (20.9 x 15.8 in)	740 x 600 mm (29.1 x 23.6 in)	1050 x 740 mm (41.3 x 29.1 in)
Minimum sheet size	210 x 148 mm (8.3 x 5.8 in)	279 x 210 mm (11 x 8.3 in)	480 x 340 mm (19 x 13.4 in)
Maximum cutting size	510 x 380 mm (20.1 x 15 in)	720 x 580 mm (28.4 x 22.8 in)	1030 x 720 mm (40.6 x 28.4 in)
Minimum gripper margin	10 mm (0.4 in)	10 mm (0.4 in)	10 mm (0.4 in)
Height of cutting blades	23.8 mm (0.937 in)	23.8 mm (0.937 in)	23.8 mm (0.937 in)
Maximum machine performance*	6 000 sheets/h	5 000 sheets/h	4 500 sheets/h
Maximum cutting force	120 tonnes	150 tonnes	180 tonnes
Maximum stacking height (feeder)	700 mm (27.6 in)	1 150 mm (45 in)	1 200 mm (47 in)
Maximum stacking height (delivery unit)	500 mm (19.7 in)	975 mm (38 in)	1 000 mm (40 in)
Net weight	3 000 kg	5 500 kg	9 700 kg
Dimensions (length x width)	2 600 x 1 750 mm (102 x 69 in)	4 800 x 2 600 mm (190 x 102 in)	6 650 x 3 250 mm (262 x 128 in)

* dependent on material, application, sheet size and die configuration. Technical data and figures are subject to change.
** when using a cardboard kit (optional) or single-sheet feeding.



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FINISHING AND BEYOND



NEW OPTIONS
Timed air-blast system
Motorized pressure setting

KAMA ProCut Automatic 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.