

FINISHING AND BEYOND



NEW: Job Planner
Software for optimized set-up

Folder Gluer ProFold 74

All-rounder for folding and gluing, capacity manufacturing, and pick-and-place. Variety of solutions for standard and sophisticated print products.



Founded in 1894, the innovative machine manufacturer KAMA's head office has always been in the famous city of Dresden.

ProFold 74

The advantages at a glance

- ▶ Flexible machine concept for a wide range of applications
- ▶ Quick set-up thanks to the unique tool mounting grid
- ▶ Precise repeatability of jobs
- ▶ Suction belt feeder or pile feeder
- ▶ Efficient tools such as capacity device, spending/placing module, programmable turning station, automatic tape head etc.
- ▶ NEW: Device for crash-lock-bottom boxes (automatic boxes)
- ▶ NEW: Barcode reader
- ▶ NEW: Interactive Job Planner, software for optimised set-up and cost calculation
- ▶ 8 channel programmable logic controller
- ▶ Movable touch screen
- ▶ Defined machine length of 5.5 m
- ▶ High process stability and due date reliability
- ▶ Extended value added in-house

Made in Germany: the high-quality KAMA products are manufactured on state-of-the-art machining centres.



IDEAS CREATE VALUE.

A short portrait of KAMA

Versatile, efficient and 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 entrenching their market position. 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 function change. Or like the hot-cut system for cutting plastics. Or again, 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.



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

1894 KAMA is founded in Dresden under the name SCAMAG

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 KAMA 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 TS 105 die cutter

2005 Hot-cut system for plastics

2006 Premiere of the KAMA ProCut 74 with hologram module

2007 Launch of the Pro-Fold 74 folder-gluer

2008 Premiere of the world's first automatic die cutter for B3 format, the ProCut 53

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

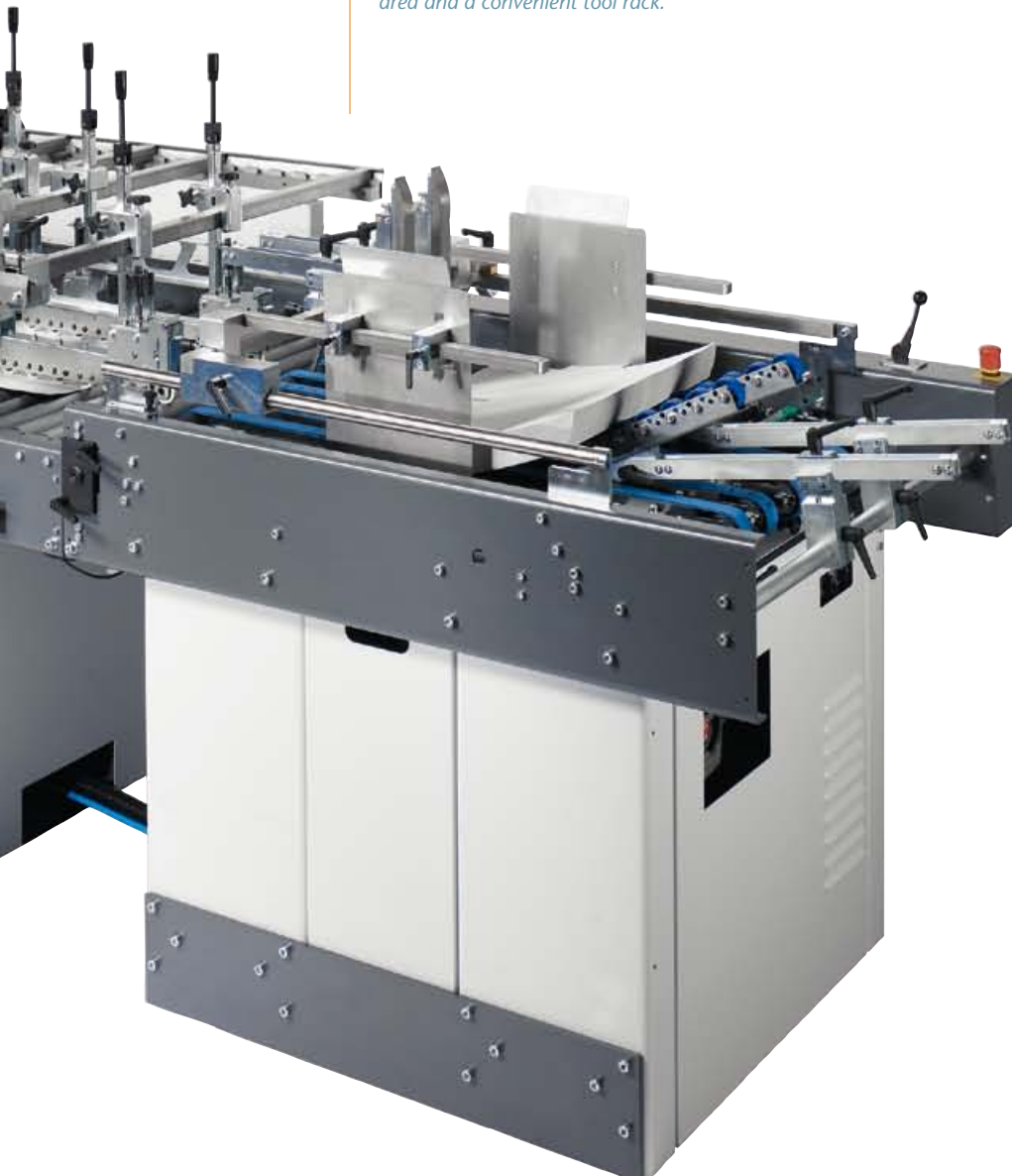
2010 KAMA develops the interactive Job Planner for the ProFold folder-gluer

Convenient touch screen

The touch screen with graphic user interface is easy to operate and can be moved along a rail at the side. The display specifies distances and lengths in either millimetres or inches.

Space-saving design

With a length of 5.5 m, the ProFold 74 is very compactly constructed and needs only 18 m² for the tools, including working area and a convenient tool rack.



VERSATILE AND EFFICIENT: The KAMA ProFold system ...

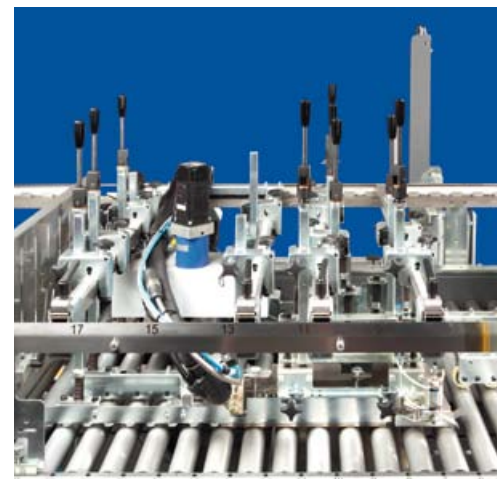
➤ Cross-folded, folded in, stuck on: modern print products are becoming increasingly more sophisticated. Sales folders, advertising flyers and CD pockets should catch the eye, should surprise and should be unique. With the new Folder-Gluer KAMA ProFold 74, commercial printers, bookbinders and companies involved in post-press processing can not only manufacture standard print products but also implement their customer's ideas and orders quickly and efficiently.

Added to our extensive service package are cost advantages and increased due-date reliability. On top of that, machine processing guarantees consistently high product quality.

... for 1001 ideas in paper and board

➤ The versatile Folder-Gluer ProFold 74 dovetails seamlessly with the cutting process, as part of further processing, and produces a complete range of products from cut, scored, perforated and finished blanks, such as folded brochures, presentation folders with glued pockets, ticket pockets, envelopes and DVD cartons. The ProFold 74 also effortlessly completes time and effort-consuming tasks such as capacity manufacturing and dispensing add-ons. Like for the tried-and-tested automatic die cutters, KAMA is also continuously developing new tools for the ProFold 74. In this way, the machine will also remain an innovative all-rounder into the future.

The capacity folding device works with feeder slides in various thicknesses from 4 mm to 25 mm.



All-rounder with wide range of applications

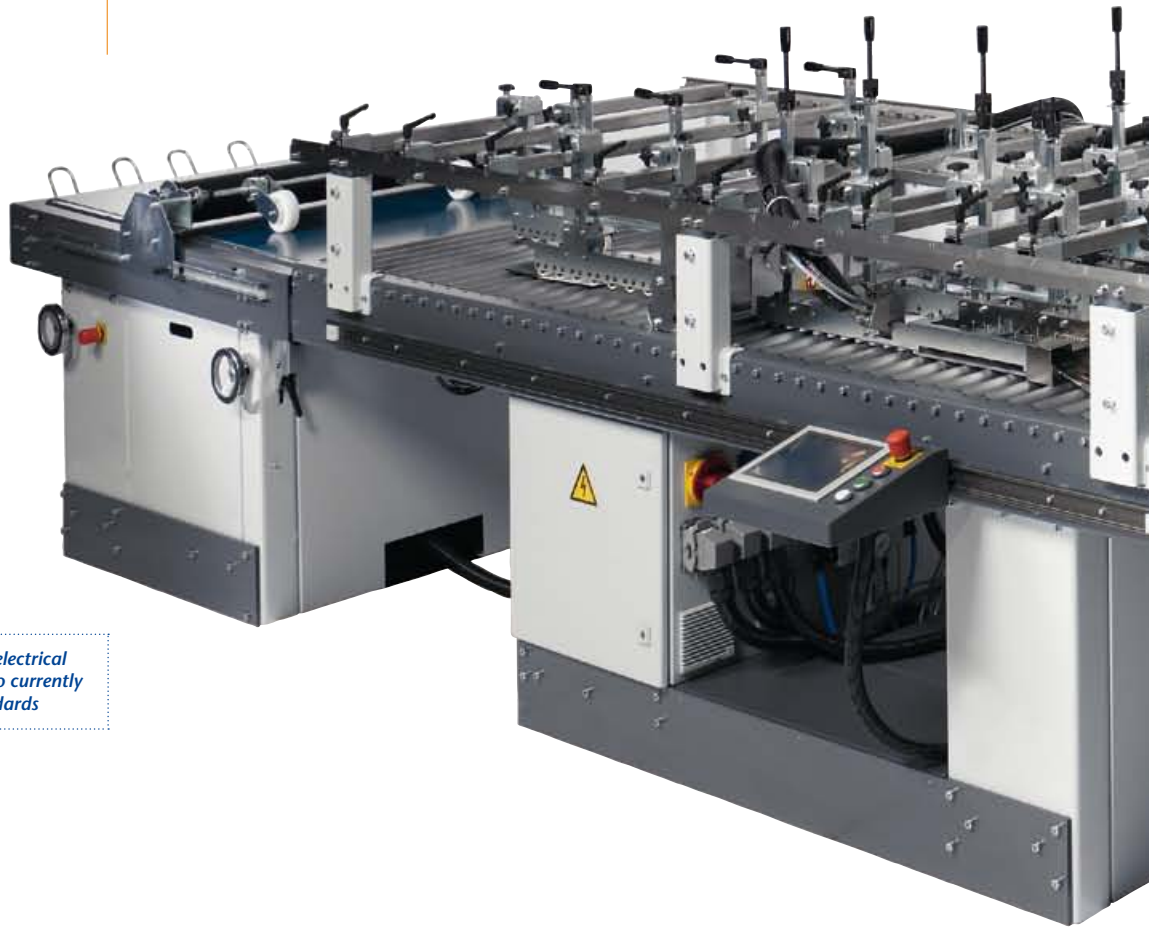
Made on the ProFold 74 are highly varied products such as folded brochures, presentation and sales folders also with capacity folds and folded pockets, sophisticated cross folders, protective cartons, envelopes, CD wallets and straight-line boxes. The various applications run from folding, sticking with hot melt or fugitive glue and adhesive tape right through to capacity manufacturing and dispensing add-ons.

Grid-type mounting system for quick set up

All folding and gluing tasks – including capacity folds – are completed on the same mounting system, without adjusting the machine arrangement. The tool holders are quickly and conveniently fastened to the stabilisers by cross clamps and inserted in the grid-type mounting system.

Future-oriented central MPC control

The complete system with all equipment is controlled by a central control unit. The memory-programmable control (MPC) is generously-dimensioned with eight control channels for blowing air and for the gluing system's glue jets. Future functions and additional devices can be programmed directly into the control software.



Safety devices and electrical equipment conform to currently applicable standards

The ProFold 74's spectrum of applications ranges from small goods tags to capacity folders and folding cartons.





The suction belt feeder uses two additional suction belts to introduce the blanks precisely in the conveyor module and can be continuously filled without stopping the machine.



The tool mounting system with integrated measuring rules improves set-up time and repeatability.

HITTING THE MARK AND SAVING TIME:

Flexible tool arrangement

➤ At the core of the versatile ProFold 74 is the unique tool mounting system which allows the sequence of the folding and gluing procedures to be optimally adjusted to the particular manufacturing task. The tools required are positioned on stabilisers in the desired arrangement on the grid-type mounting system. Decisive advantage: Not much has to be adjusted, because of the grid-defined positions. Alignment is a quick and easy process and is reproducible in the case of repeat orders.

KAMA has applied for a patent for the ProFold 74's tool mounting system.

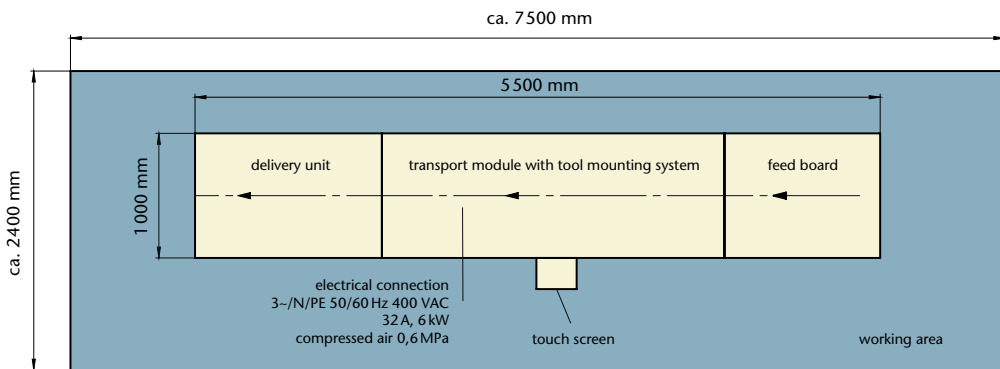
Variety of tools: the ProFold 74 has infinite equipping possibilities such as capacity folding device, bottom/top folded pocket (photo), turning gear, hot melt application system, adhesive tape dispenser and pick-and-place device.



Examples of processed products

- ▶ advent calendars
- ▶ advertising letters
- ▶ brochure covers
- ▶ brochure holders
- ▶ cartons
- ▶ capacity folders
- ▶ CD wallets
- ▶ crash-lock-bottom boxes
- ▶ credit cards covers
- ▶ cross folders
- ▶ direct-mails
- ▶ dispensers
- ▶ dispensed adhesive tape
- ▶ dispensing of add-ons and products samples
- ▶ display boxes
- ▶ double folded zig-zag
- ▶ double-sheets products
- ▶ DVD cartons
- ▶ envelopes (also self-adhesive)
- ▶ flap fold covers
- ▶ folded brochures
- ▶ folded pockets
- ▶ folders with pockets or tongues
- ▶ folding cartons
- ▶ fugitive glue
- ▶ goods tags
- ▶ greeting cards
- ▶ hard-cover folders
- ▶ hot-melt points
- ▶ light-weight poster
- ▶ longitudinal folds
- ▶ magazine covers
- ▶ photo frames
- ▶ pockets
- ▶ presentation folders (also with capacity)
- ▶ product displays
- ▶ promotion displays
- ▶ protective cartons
- ▶ push-in pockets
- ▶ sales folders
- ▶ slipcases
- ▶ straight-line boxes
- ▶ tent cards
- ▶ ticket pockets
- ▶ voucher covers
- ▶ window folds

Basic layout of the ProFold 74 folder-gluer (standard equipment)



Technical Data

ProFold 74

Material	paper, cardboard, plastics
Paper weight	100 – 600 g/m ² (6–25 pts)
Max. width of sheet	740 mm (29 in)
Min. sheet size (w x l)	100 x 80 mm (4 x 3 ³ / ₁₆ in)
Min. product size (w x l)	50 x 80 mm (2 x 3 ³ / ₁₆ in)
Max. linear speed	150 m/min
Max. performance, general*	36000 cycles/h
Max. performance, capacity folders*	6 000 cycles/h
Dimensions (standard equipment)	5500 x 1000 mm (216 x 39 ¹ / ₂ in)

* dependent on material, sheet size and set-up. Technical data and figures are subject to change.

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