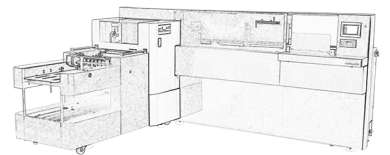
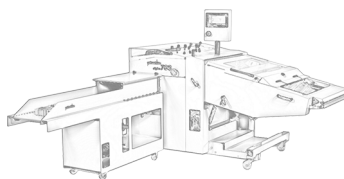
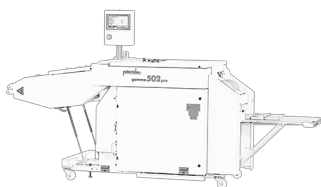
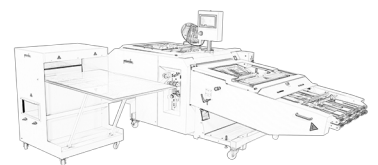
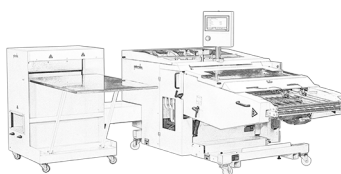
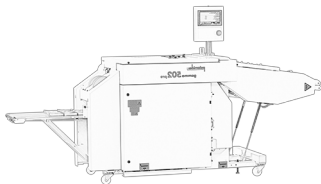


palamides

Technology for Success



Product Portfolio



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palamides is a family-run company that combines traditional values with dynamic and future-oriented development. The work of palamides USA begins where the production machine ends: Process optimization after the production machine is our proven expertise. We give advice, we find solutions, and we implement them for you. With six different delivery solutions that can be combined with the modular Dynamic Separation Platform to utilize variable and personalized data, there is virtually no post press requirement that we don't serve.

The obvious thing to expect from palamides is the supply with a state-of-the-art delivery to streamline the production. But there is much more: We take care of the concerns of our customers professionally and give support from the very beginning to far after the project is finished. We are a professional partner who supports everyone, and is ready to provide future advice and assistance. You can relax, because you have a palamides.

palamides is a family-run company and combines traditional values with dynamic and future-oriented development. Our self-image and our actions stand on a stable foundation of partnership, inventiveness, and quality. We listen to our customers, because it makes us understand. We understand our customers, because we ourselves have 30 years of experience as processors. We do our jobs because that is our DNA. Trust, respect, and drive are the guidelines you can always count on as a customer, employee, or supplier of palamides.

This attitude is the prerequisite for our progressive and robust deliveries and the driving force behind a large number of new developments. An ever-growing modular system of various deliveries, robot systems, intelligent expansion modules to improve productions, an eco-friendly layflat binding technology and a platform for automatic separation are proof of this. Read on to learn more about our machines.

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The „alpha“ stacking delivery system

Infeed width

80 mm – 760 mm

Infeed length

95 mm – 330 mm

Stack height

3 mm – 160 mm



Location (behind)

Folding machines, thread sealing machines, book on demand lines, addressing devices, combination folding machines

User

Printing works for books, folded brochures and all forms of advertising printing

Benefits

Mark-free delivery, high quality inspection, full capacity utilisation

Cycle time

4 seconds (corresponds to 900 cycles/hr and ups)

Max. performance

3,600 stacks/hr

Speed

25 - 205 m/min

The alpha is a mobile stacking delivery system for mark-free deliveries. It was developed as a universal delivery system for processing folded brochures, specifically signatures, and has become the standard delivery system on the market for signature processing. It can be coupled with almost all folding machines.

The alpha presses, counts and delivers the signatures. The cleanly jogged stacks are then delivered to the operator at an ergonomic height. To reduce set-up times, the machine configuration is largely automatic. The pressing unit can be opened at the touch of a button, which makes cleaning the pressing rollers and removing duplicate pages significantly easier. As with all palamides delivery systems, the alpha identifies waste and deflects this automatically. In addition to this delivery technology, which was established several years ago, palamides has also developed an additional fundamental component, the „intelligent delivery module“, which only forwards book blocks for further processing when they have been checked for completeness.

The stacking delivery is currently available in two versions: the alpha500 with up to three-ups and the alpha700 with up to four-ups.

The „delta“ automatic delivery system

Infeed width

80 mm – 800 mm

Infeed length

65 mm – 320 mm

Stack height

2 mm – 150 mm



Location (behind)

Folding machines, digital printing machines, saddle stitchers, mailing systems, collating machines, stitching machines, inkjet lines

User

Commercial printing, digital printing, book printing

Benefits

Efficient and constant production, banding, rationalisation of production

Cycle time

6 seconds (corresponds to 600 cycles/hr)

Max. performance

1,800 packages/hr

Speed

25 - 205 m/min

The **delta automatic delivery system** focusses on **maximum productivity with low personnel costs**. Stable stacks, which are easy to handle due to **banding**, ensure an effective transfer to the further processing machines. In this way, products which spread out heavily at the edge, or which are smooth and irregular can also be processed correctly.

The delta is a fully automatic, stacking delivery system which rationalises the production process. Here the focus is on rationalisation, rather than banding of the products. If a delta is used, only one operator is required, regardless of whether processing single or multiple up-work – and with full operational performance.

Whether speed, format range or user-friendliness – the delta sets new standards. With a capacity of 600 packages/hr per product flow, it can reach up to 1,800 packages per hour and thus puts all previous machines in the shade. With a delta tandem version, this capacity can even be doubled.

The automatic delivery is currently available in two versions: the delta502 with up to two-up and the delta703 with up to three-up production.

The „gamma“ automatic delivery system

Infeed width

56 mm – 510 mm

Infeed length

75 mm – 235 mm

Stack height

20 mm – 120 mm



Location (behind)

Folding machines, saddle-stitchers, collating machines, digital printing machines, mailing systems, combination or buckle-folding machines

User

Commercial printing, digital printing, book printing

Benefits

Efficient and constant production

Cycle time

6 seconds (corresponds to 600 cycles/hr)

Max. performance

1,800 packages/hr

Speed

25 - 205 m/min

The **gamma automatic delivery system** is compact, robust, easy to operation and very productive – simply **highly efficient and flexible**. The **banding can be switched on and off** as required whereby product stacks that slide easily can be automatically strapped with banding. Equipped with the proven palamides components, the gamma is designed for companies with **little space and fast-changing orders** in the standard format range.

With its small layout, height-adjustable product infeed and foldable buffer table, the gamma can be quickly connected to a wide range of machines – and even moved by production if there is a lack of space.

All products are measured by the gamma. Everything lying outside of the tolerance range is automatically ejected. If more than three products in succession lie outside of the tolerance range, the gamma stops production; this means folding problems can be quickly identified, for example.

The automatic delivery is currently available in three versions: the gamma501 with single-up, the gamma502 with up to two-up and the gamma503 with up to three-up production.

The „pharma“ automatic delivery system for pre-folding

Infeed width

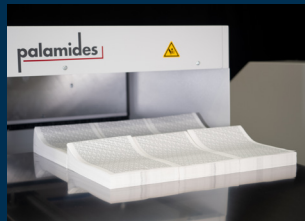
120 mm – 1,000 mm

Infeed length

150 mm – 350 mm

Stack height

20 mm – 120 mm



Location

Behind folding machines

User

Companies for pharmaceutical lightweight paper printing

Benefits

Increase in net performance of up to 100%, jogged stack with edge-accurate quality, performance increase for production line

Cycle time

on request

Max. performance

on request

Speed

25 - 205 m/min

The **pharma** is a delivery system for **classic pre-fold products**, developed for **pharmaceutical lightweight paper printing** in the **grammage range from 35 gram**. Companies which work with the **pharma** increase their net performance by up to 100 %.

The most time-intensive operation in the production of pharmaceutical pre-folds is jogging the stacks. This requires a high degree of skill from the operator because the stacks usually consist of 250 or 500 folded products with a very low grammage. The **pharma** reduces this task to an absolute minimum: the operator receives the jogged stack from the delivery system with edge-accurate quality.

The automatic delivery is currently available in two versions: the **pharma800** with up to five-up and the **pharma1000** with up to six-up production.

The „vertisa“ mailer delivery system

Infeed width

185 mm – 420 mm

Infeed length

150 mm – 350 mm

Stack height

20 mm – 150 mm



Location	Behind folding box glueing machines
User	Producers of mailers
Benefits	Processing of high speeds, creation of edge-accurate stacks of folded boxes
Cycle time	Min. 2.5 seconds (corresponds to 1,440 cycles/hr)
Max. performance	on request
Speed	45,000 prod./h

The **vertisa mailer delivery system** is an automatic delivery system for **mailers**. It is designed to be a delivery system behind the **folded box glueing machines**. The machine was developed specifically for use with production machines in order to **remove the bottleneck at the end of the production line** in the case of constantly high production performance.

The vertisa is mobile and receives the products in a shingled stream via a height-adjustable infeed. Stack separation is possible via a shingled stream counter and does not cause the shingling to pile up. The stacks are then strapped and output to the rear in the direction of production at an ergonomic height.

The mailer delivery system is currently available as standard with the „vertisa420“ version and can process up to 45,000 products per hour.

The „mitra“ single sheet delivery system

Infeed width

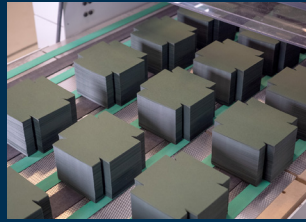
54 mm – 800 mm

Infeed length

65 mm – 360 mm

Stack height

10 mm – 150 mm



Location (behind)

Flexo printing machines, digital printing machines, mailing lines, cutting units, rotating and flat-bed die cutters

User

Producers of die-cuts, visiting cards, single sheets and folded products

Benefits

Processing of a wide range of shapes, modification to requirements is possible

Cycle time

Depending on the application

Max. performance

70,000 copies/h

Speed

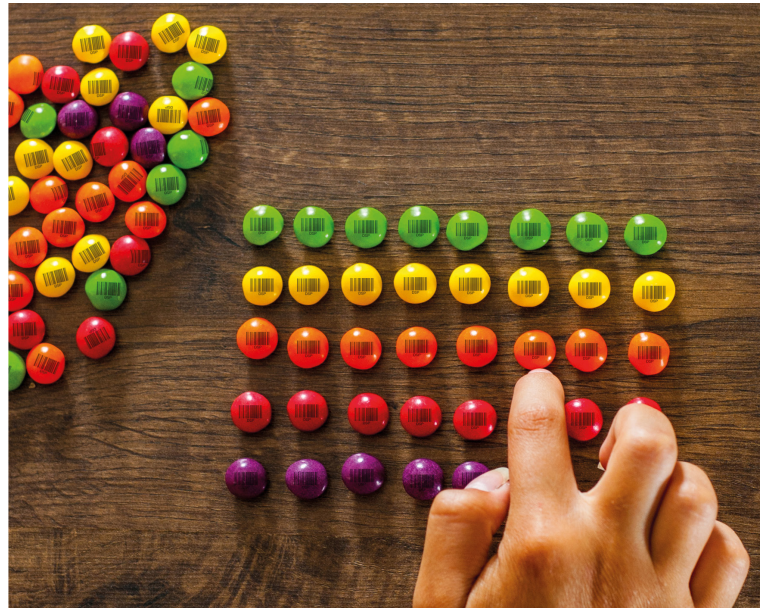
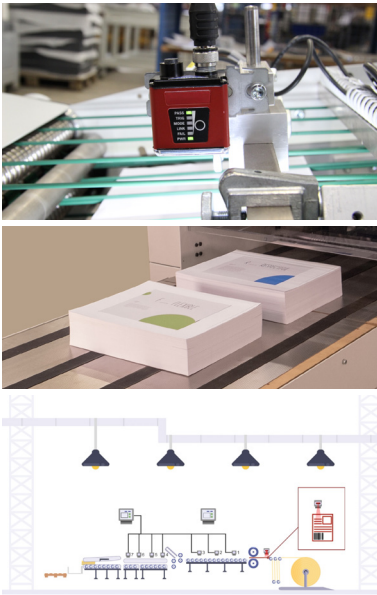
Depending on the application

With the mitra automatic sheet stacker, single sheets, die-cut products and visiting cards can be automatically stacked and buffered. It uses shingle stream acceptance or optionally, single sheet acceptance. The machine has a modular structure and thus it can be modified to suit the requirements of the respective application by combining a wide range of options.

The product streams are first spread and then counted and stacked into edge-accurate stacks. The counting and thus separation of the product stream is carried out using barcode recognition, a print mark or an external signal. This means, for example, that different book blocks can be separated without interrupting production.

In the standard version, the mitra can deliver up to 15,000 copies/hr per product stream. With the high-speed version, this increases up to 70,000 copies/hr, however, product restrictions must be taken into account here. The mitra is designed for one-up to eight-up production.

Dynamic Separation Platform (DSP)



User

Printers of individualized or personalized products

Benefits

Optimize, automate, add value and increase efficiency

The **Dynamic Separation Platform (DSP)** is a toolbox that enables **all palamides deliveries** of the new generation pro to process **variably printed** data, thus making them **Industry 4.0-capable**. Individual solutions for a wide range of demands are made possible from an extensive component portfolio. The solutions consist of various delivery types, mechanical and electronic modules, and software packages.

Digital printing and hybrid marketing allow and require print products to be individualized. Depending on the demand, a palamides delivery equipped with DSP is capable of separating, sorting, completing. It interacts with the user's production control system, providing calculation results, protocols and information that are used for further processes. In turn, it accepts commands and information from the production control system and identifies, marks, or ejects products or product stacks. The DSP is used on almost all production machines, has a modular design and networks digital print production with all downstream processes.

DSP manages to efficiently eliminate the black hole that is created behind many production machines. By making maximum use of existing information, automating previously manual processes and permanent quality assurance, production processes can be optimized both actively and passively.

The „smartliner“ environmentally-friendly, lay-fl at binder

Infeed width

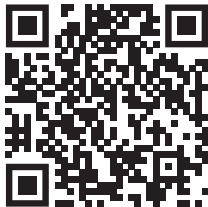
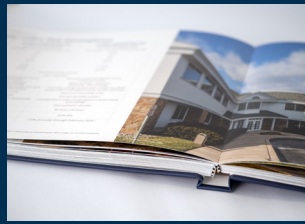
90 mm – 430 mm

Infeed length

140 mm – 430 mm

Stack height

3 mm – 40 mm



Location (behind)

Book blocks and covers are inserted manually

User

Digital printer and off set printer with small editions

Benefits

Perfectly lay-flat, environmentally friendly and energy-efficient, saves material

Cycle time

15 seconds

Max. performance

240 cycles/hr

With the **smartflat technology** for the manufacture of **flat-opening books**, the smartliner from palamides opens up completely new opportunities. This means that books can be bound in a more **environmentally-friendly and energy-efficient** way, thus achieving a perfectly flat opening action. Almost all paper qualities and grammages can be processed.

This creates an end product with potential for the future and an unique and innovative user experience. The smartflat technology cannot be compared with known adhesive binding processes.

The smartliner is a one-clamp binder with cover feeder, score and moistening unit, and book stack delivery with large buffer – all in a compact design. Because there is no heating time and because it is simple to operation, requires minimal cleaning, and the set up is largely automatic, the smartliner is ready to use immediately.

The environmentally-friendly layflat adhesive binder is currently available as standard in the version „smartliner240“. The name comes from the machine production capacity which is a maximum of 240 cycles per hour. To ensure the performance, the smartliner240 is equipped with high-performance and efficient drives and control components.