

# Product portfolio

## The palamides automated deliveries

The palamides pro series machines optimize performance and reduce personnel costs.



# Welcome to palamides USA, your trusted partner for postpress production processing equipment.

## Technology for success

The name “palamides” represents innovative and robust delivery systems. More than 3,000 automatic delivery systems are installed around the world. palamides is a synonym for quality, service, with both direct and close customer contact.

palamides is the global market leader in this sector and experts for automatic delivery systems. Whether on saddle stitchers, folding machines, printing machines with connected finishing lines, or mailing machines – palamides has the perfect solution.

The delivery systems set standards for ergonomics, efficiency and quality. Different products are pressed, collected, jogged, counted and delivered – fully automatically.

The company works closely with customers so machines can be modified to meet customer-specific requirements, which means that a palamides delivery system suits practically any production process.



# alpha

## Mark-free automated delivery

The alpha pro series are universal deliveries, designed to process print jobs mark-free.



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 is 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, 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.

### 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





# delta

## Versatile automated delivery

High efficiency seamless integration and versatile agility.

The delta automatic delivery system's key benefit is 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 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.



### 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

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. 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.



# gamma

## Small footprint, flexible automated delivery

The gamma pro series increases productivity while reducing operational costs.

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 two versions: the gamma502 with up to two-up and the gamma503 with up to three-up production.



### **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

# pharma

## Automated delivery for pre-folds

The pharma is a delivery for the classic prefold products, developed for pharmaceutical printing.



**Location (behind):**

Folding machines

**User:**

Companies producing pharmaceutical lightweight paper printing

**Benefits:**

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

The pharma is a delivery system for classic pre-fold products, developed for pharmaceutical lightweight paper printing in the grammage range from 35 grams. 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 and 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 fi ve-up and the pharma1000 with up to six-up production.



# mitra

## Automated Sheet Stacker

Perfect solution in automated handling for all kinds of productions at high speeds.

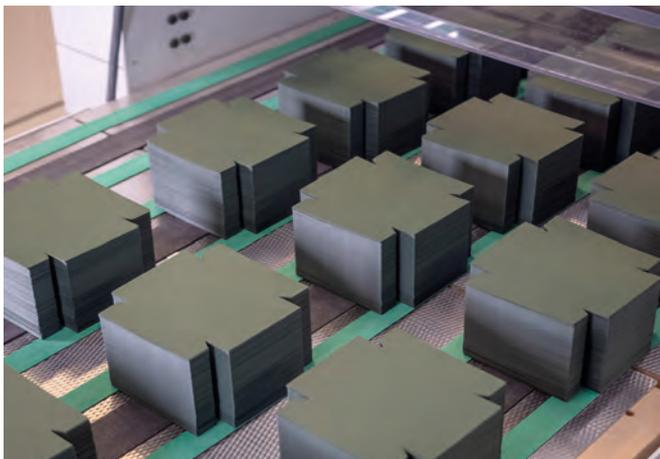


With the mitra automatic sheet stacker, single sheets, die-cut products and visiting cards can be automatically stacked and buffered. It uses shingle stream acceptance or optionally, single sheet acceptance. The machine has a modular structure and it can be modified to suit the requirements of the respective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



### **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



# vertisa

## Mailer delivery system

High-speed efficiency and stack precision.

The vertisa 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 speeds.

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.

**Location (behind):**

Behind folding box glueing machines

**User:**

Producers of mailers

**Benefits:**

Processing of high speeds, creation of edge-accurate stacks of folded boxes



# smartliner

## Perfect layflat binding

New possibilities with unique characteristics for perfect binding.



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 a 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 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 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 that this performance is achieved in practice, the smartliner240 is equipped with high-performance and efficient drives and control components.

### Operation:

Book blocks and covers are inserted manually

### User:

Digital printer and off set printer with small deliveries

### Benefits:

Perfectly lay-fl at, environmentally friendly and energy-efficient, saves material



## Interface solutions

- Interface ready for operation
- Extension interface
- Connection to MBO M1
- MBO Navigator interface
- MBO 24-pin interface
- Interface HD-TF
- Interface MCT-DCT 500\_MCT
- Control from external
- Speed following device
- Interface to Horizon



### Applications

Signatures  
Flyers  
Brochures  
Mailings  
Rotational products  
Self-mailer  
Book on Demand  
Variable Data Printing (VDP)

### Compatible machines

Folding machine  
Saddle stitcher  
Gathering machines  
Digital printer  
Mailing inserts  
Combi or buckle folding machines

### Benefits

Efficient and constant production  
Mobile  
Little space required  
Flexible for different productions  
Powerful  
Easy setup  
Easy to connect

# What can you expect from palamides USA?

palamides provides state-of-the-art delivery and stackers that streamline postpress production processing. We take care of our customers with support through the entire product lifecycle.

## ■ Partnership

palamides takes pride in its strong relationship with customers. The close customer collaboration helps palamides deliver and continuously develop solutions fitting the production needs of customers in the printing and packaging industries. Partnership means guaranteeing equipment will fit the production as specified.

## ■ Inventiveness

palamides believes in inventiveness over innovation. An innovation, new product or feature alone is not inventive. Something new is inventive when it implemented by customers with better results than previous products or features.

## ■ Quality

palamides provides the best serial delivery systems in the printing industry, offering high-speed, efficient and reliable solutions for print and packaging industries. All palamides equipment is manufactured in Germany to the highest standards of quality and reliability.

**palamides**  
Technology for Success

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