alpha

Mark-free automatic delivery

alpha

The stacking deliveries 500pro - 700pro

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

The palamides alpha pro is a universal automated delivery with a very large format range for processing folded brochures and signatures with unparalleled efficiency and precision.
The alpha's automatic stacker streamlines workflow, minimizing setup times and optimizing productivity. The convenient opening feature of the pressing unit simplifies press roller cleaning and removal of double sheets.

The alpha effortlessly handles signatures with a robust 3.5 t of pressing force, while its waste detection system automatically ejects imperfections. The alpha's intelligent output module checks for completeness before forwarding book blocks to the finishing unit.

The alpha is well-suited for various production scales- small editions to mass circulation. Its integrated camera reads and evaluates barcodes or registration marks, providing essential information such as the book title, number of signatures and the current processing stage. Complete book blocks are seamlessly transferred for further processing, while incomplete ones are redirected and ejected separately.

Designed for user convenience, the alpha's ergonomic design reduces strain and minimizes walking distances for the operator. The touch screen control panel provides easy access to all settings and machine functions, maximizing efficiency.

The alpha's well-engineered delivery system ensures trouble-free operation and straightforward setup. The versatile interface solutions facilitate easy connection to a wide range of production machines.

Advantages of the alpha series

Elimination of manual work to be carried out by an operator:

- Manual removal of folded products and brochures is no longer necessary.
- Manual pushing and pressing of the folded products is no longer necessary.

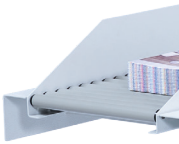Sensitive products are processed with the alpha without marking and formed into stacks.

A buffer table also offers time-saving benefits for postpress processing. The buffer table can collect stacks over a longer period of time, reducing the need for the operator to constantly manage single stacks as they come out of the machine. This frees up the operator to engage in other tasks, further optimizing their workflow.

Upgrade options

The alpha series can be equipped with Dynamic Separation Platform (DSP) modules and thus support Industry 4.0 functions for variable data printing (VDP).

This means that the delta pro series can be integrated into production processes with variably printed and personalized data.

With installations worldwide, the alpha is the automated delivery leader in the industry. Its various interface solutions enable operation on a large number of production machines. Its adaptability is unmatched, with nearly 40 different options to cater to various applications.

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Technical specifications

Formats and stack heights	alpha500pro	alpha700pro
Infeed width min.	80 mm	80 mm
Infeed width max with 1 product stream*	540 mm	810 mm
Infeed width max with 2 product streams*	245 mm	380 mm
Infeed width max with 3 product streams*	150 mm	240 mm
Infeed width max with 4 product streams*		170 mm
Infeed length min.	95 mm	95 mm
Infeed length max.	330 mm	330 mm
Minimum stack height	5 mm	5 mm
Maximum stack height	160 mm	160 mm

Formats and stack heights standard machine
(*Possible limitations or changes due to optional equipment)

Standard equipment (excerpt)

- Equipment for processing one to two product streams
- Height-adjustable feeder
- Format measurement with waste ejection
- Press station with feed and main press rollers
- Cleaning function of the press rollers (opening of the press station possible)
- Contour jogging for precise alignment of the stack
- Transport of the products in single sheets for particularly thick or sensitive products
- Transport of the products in a shingled stream for particularly fast-running productions
- Air blast device
- Stack level compensation for products that are applied on one side
- Output of the product stacks on a buffer table

Optional equipment (excerpt)

- Output table extra long
- Stack output on both sides
- Congestion monitoring shaft
- Jam monitoring stopper
- Traffic jam monitoring in the shed area
- 500 - high-speed plus air blast
- Support plate
- Extension number of panels
- Antistatic device
- Lateral arc monitoring
- Signaling machine status
- Extended buffer table
- Roller table 1,100 mm

Interface solutions

- Interface ready for operation
- Extension interface
- Interface MBO M1
- Interface MBO Navigator
- Interface MBO 24-pin
- Interface HD-TF
- MCT-DCT 500_MCT coupling box
- External control
- Setpoint coupling
- Horizon pairing

Applications
Signatures
Flyers
Brochures
Mailings

Compatible machines
Folding machine
Saddle stitcher
Gathering machines
Digital printer
Mailing attachments

Benefits
Efficient and constant production
Designed for 24/7 operation
Can be used flexibly
Powerful
Easy setup
Easy to connect

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