

# COMPENSATED STACKING

BL 416

Bindery Compensating Stacker

COMMERCIAL

NEWSPAPER

BINDERY

CONVEYING

TRIMMING

COMPENSATED STACKING

LOG STACKING

PALLETIZING

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# STACKING AT THE HIGHEST LEVEL

## Wide range of applications

The BL 416 offers highest flexibility of use for bundle formation, amongst others after three-knife trimmers. The scope of application of the bindery compensating stacker comprises stacking of book blocks, books, perfect bound brochures, catalogues and magazines.

## High bundle quality due to a reliable stacking process

The functional principle of the compensating stacker is based on the 2-level stacking technology. The reduced drop-height of the products and therefore the gentle bundle formation are playing an important role. The horizontally opening carbon-plates and a lifting table, with interchangeable plates of different sizes for a clocked „collection“ of the products from the pre-collecting area, allow to reduce the drop height.

After rotation of the individual layers the ejection device transports the bundle on a roller delivery arranged on the

right or left side; an alternating ejection is possible as well. The optionally available, synchronized delivery belt allows a gentle deceleration of the bundle.

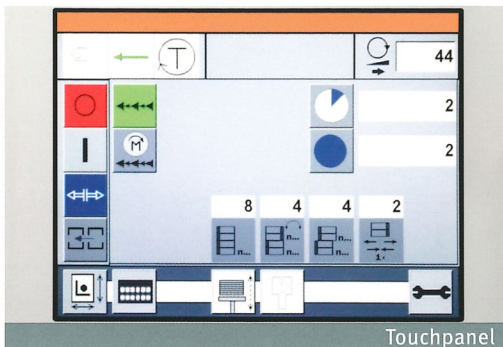
The perfect coordination of the various stacker functions at high performance ensures an optimum stability and quality of the bundles for subsequent processing without problems.

## Wide format range - open design - user friendliness

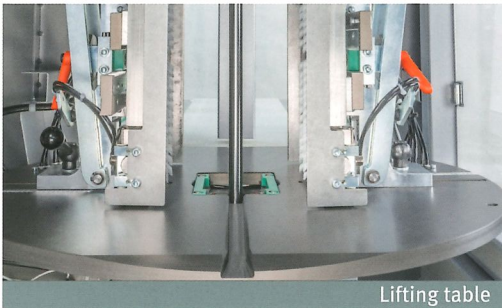
One of the most striking features of the bindery compensating stacker BL416 is the possibility of processing an extremely large range of product formats and high speeds of up to 18000 cycles/hour. The open design, in particular the infeed area, gives the machine good accessibility. Setting is possible from both sides, thus facilitating operation and service as well as conversion to other formats (optionally also by motor-driven).



# BL 416



Touchpanel



Lifting table



Pre-collection area



Infeed

## Servo-Ejector

As a standard the BL416 is equipped with a servo-ejector. On the one hand it allows minimization of the cycle time and on the other hand it ensures maintaining of the bundle quality due to a highly gentle bundle ejection procedure and synchronization with the delivery belt.

## Features

- Wide product format range
- Processing of products and product stacks up to a height of 80 mm
- 2-level stacking technology with horizontally opening carbon plates
- Large, pivoted window guards for easy access and good view
- Bundle delivery to the right, left or alternating
- Operation via Touchpanel, optionally on swivel arm
- Lifting table with interchangeable plates of various sizes for a clocked „collection“ of the products (reduction of the drop height)
- Servo-drive for ejector
- Pneumatic drive for turn table (rotation  $0^{\circ}/180^{\circ}$ )
- Electrical preparation for line control (e.g. integration into a KOLBUS inline production line.)
- Speed synchronization for coupling with an upstream machine (e.g. KOLBUS three knife trimmer)

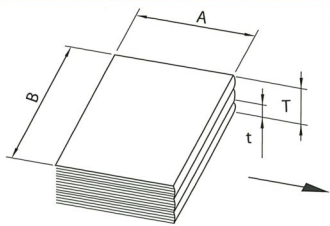
## Options

- High infeed
- Electrical format pre-setting
- Route sorting
- Line control
- Servo-front ejector
- Servo-driven turn table ( $0^{\circ}/90^{\circ}/180^{\circ}/270^{\circ}$ )

## Advantages

- Optimum bundle quality for palletizing and further processing without problems
- High user friendliness
- Gentle product- and bundle handling
- Easy and fast conversion
- High flexibility





#### Technical data

Production output <sup>1) 2) 3)</sup>  
Ejection performance

Product total thicknesses <sup>1)</sup>

Product formats

Layer height (pre-stacking unit)  
Bundle height <sup>2)</sup>

#### Physical

Outer dimensions L x W x H

Weight <sup>3)</sup>

Infeed height

Delivery height

#### Air consumption

Nominal pressure

Consumption <sup>3)</sup>

#### Connected loads

Protection

Supply voltage

Supply frequency

<sup>1)</sup> depending on products and if  $t=T$

<sup>2)</sup> depending on layer forming

<sup>3)</sup> depending on installed options  
(e.g. additional air table)

#### BL 416

up to	18000	cycles/h
up to	36 stacks/min.	(for ejection to one side)
max.	40 stacks/min.	(for alternating ejection to both sides)
t min.	1	mm
T max.	80	mm
A	100 - 320	mm
B	125 - 420	mm
up to	160	mm
up to	330	mm

	2677 x 970 x 1849	mm
approx.	850	kg
	850 - 950	mm
	850	mm

	6	bar
max.	200	NI/min

	16	A
	3 x 400V~, N, PE	
	50	Hz

Subject to changes concerning dimensions, design and equipment.

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