

BUSCH Strip Puncher STS 72

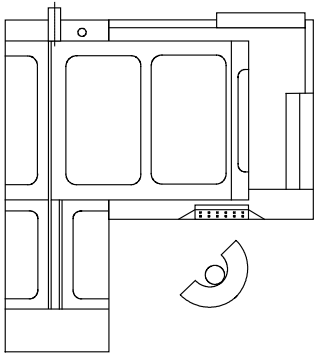
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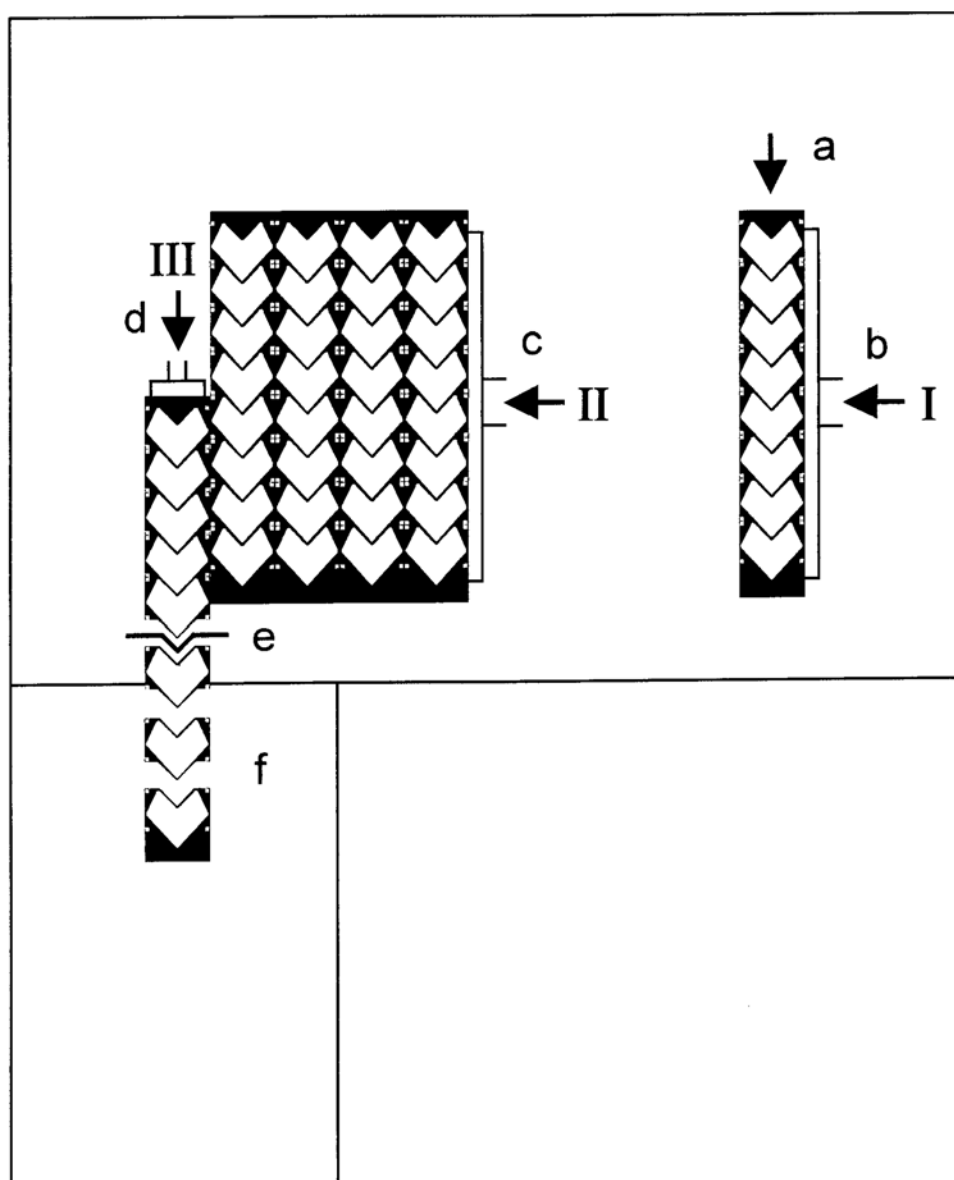
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1. Technical Data

		<p>Highly precise strip punching:</p> <p>Pre-cut of interlocked labels for saving on material (further processing of the pre-cut ups on conventional punching machines)</p> <p>Final cut of rectangular labels up to two rows from 2 x 30 to 2 x 130 mm incl. strip reading unit</p>	
Model		STS 72	
Strip size, max.	mm	720 x 260	
Punching size	mm	720 x 260	
max.	mm	16 x 60	
min.	mm		
Feeding height	mm	30 - 125	
Output	strokes / min	12 - 15	
Punching pressure	kg	2180	
Adjusted value of pressure relief valve	bar	70	
Pressing pressure	kg	0 - 1180	
Adjusted value of pressure relief valve	bar	0 - 60	
Tank capacity for hydraulic oil	liter	180	
incl. 1 punching die - straight- without hydraulic oil without compressor			

2. Operating Sequence


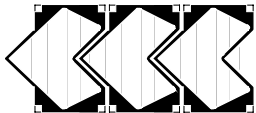
- a) Manual feed of the strip pile.
- b) Transport I moves the pile under transport II.
- c) By releasing the start button transport II effects a continuous restocking of the table in front of transport III.
- d) Transport III moves the first pile under the pre-cut die according to the entered cutting marks (resp. the marks determined by the strip reading unit).
- e) The pre-cut die (straight die or contour die) separates the strip in single piles.
- f) For the final cut on a conventional BUSCH punching machine the multiple-ups can be removed from the delivery tray one by one for direct introduction or in groups for palletizing before punching.



3. Example for Application

Saving on costs with a BUSCH Strip Puncher 'STS' by interlocking of labels

Order volume	100.000.000 labels 'König Pilsener' or 'Holsten Pilsener'
73 g metallized paper	4,60 Euro p. kg
PRINTING PRESS - Machine costs / 6-colour offset - Running speed net with metallized paper	500,- Euro p. hour 8.000 sheets p. hour
STRIP PUNCHER - Output - Production net p. shift (8 hours)	10 strokes p. min. 4.000.000 labels

Comparison of production data	Usual process	Process with interlocking
		
Label blank	71,5 mm high 74 mm wide	
Sheet width	13 rows à 74 mm + 18 mm margin = 980 mm	
Sheet length	9 labels à 71,5 mm + 16,5 mm margin = 660 mm	First label 71,5 mm + 12 labels à 50 mm + 18,5 mm margin = 690 mm
Sheet weight / 73 g	47,2 g / sheet	49,4 g / sheet
Number of labels p. sheet	117 labels	169 labels
Sheet requirement	854.700 sheets	591.716 sheets
Material requirement	40.342 kg	29.231 kg
Material costs	185.573 Euro	134.462 Euro
Machine run costs - printing press	53.400 Euro	36.983 Euro
Total costs	238.973 Euro	171.445 Euro

Saving by interlocking	
- Sheet requirement	262.984 sheets
- Material requirement	11.111 kg
- Material costs	51.111 Euro
- Machine run costs - printing press	16.417 Euro
- Saving on costs for cutting and waste disposal	no details
Total saving for this order	67.528 Euro
Saving per 1.000 labels	0,68 Euro