

PFANKUCH Feeder System for Processing 3-D Products

Model PCU 310

Automatic product cutting of 3-D chain packed products, separation and feeding of single products into further production flows

Machine Concepts

The machine concept of the PFANKUCH feeder system PCU 310 (Pneumatic Cutting Unit) is especially designed for processing chain packed 3-D products (like marketing gimmick material) up to a product thickness of approximately 25 mm. Processing requires product chain packaging with print marks. The PCU 310 cuts single packs from a chain and ejects separated products into further production flows on demand.

A flexible transport belt system, which is outlined to individual product specifications pulls the endless product chain into the feeder's cutting tool position. By a photo optical print mark registration a single product packaging is cut off from the chain and further transported on a height adjustable horizontal delivery to a photo cell controlled dispensing position for ejection into the further production and packaging process. According to individual product specification the feeding speed is up to 60 product cycles per minute.

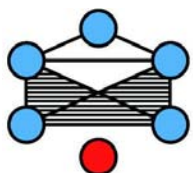
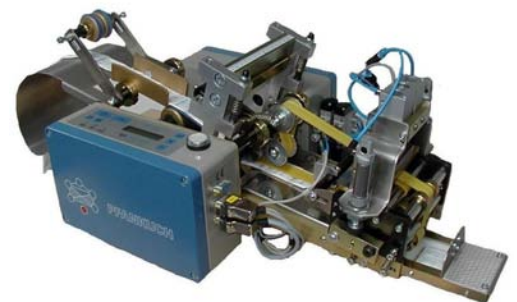
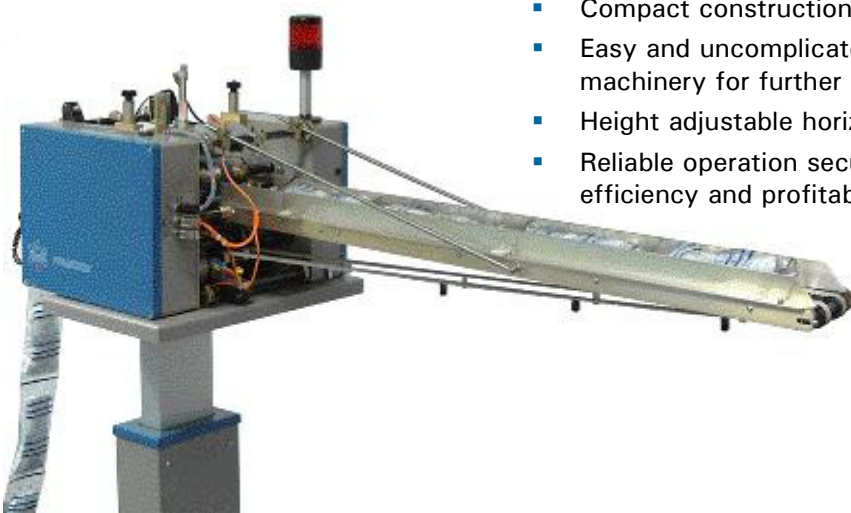
The feeder is equipped with a servo motor drive to ensure maintenance long lasting operation. All feeder functions are microprocessor controlled.

Technical Machine Design

- Innovative machine design for automatic cutting, separation and feeding of chain packed 3-D products
- Machine concept is outlined to product sizes: min. L 40mm x W 20mm; max. L 140mm x W 110mm (special sizes on demand)
- Range for product thickness: appr. 6 – 25mm
- Cycle speed: up to 60 products per minute (depending on product specifications)
- Photo optical feed signal processing
- Microprocessor machine control with dialog touch panel
- External start signal processing e.g. by light barrier

Advantages at a Glance

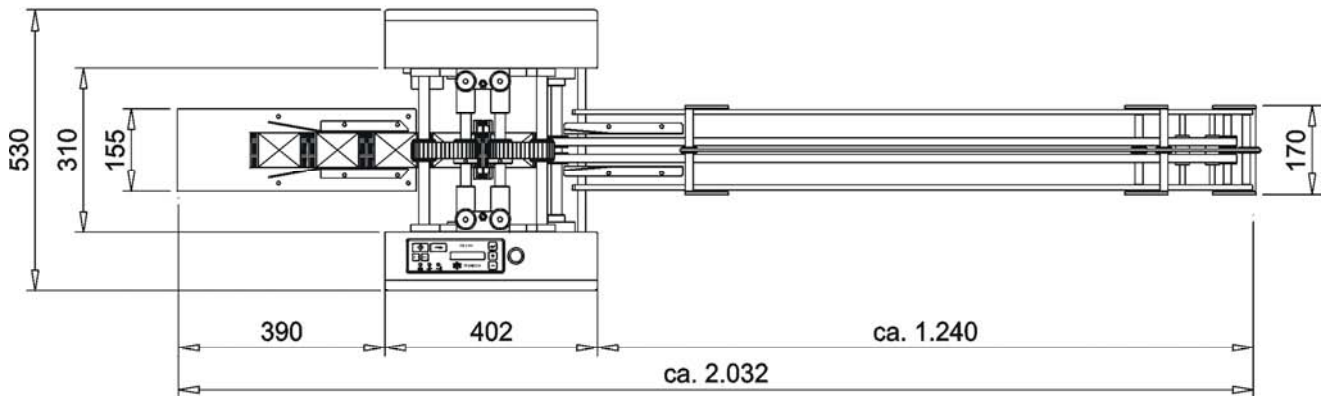
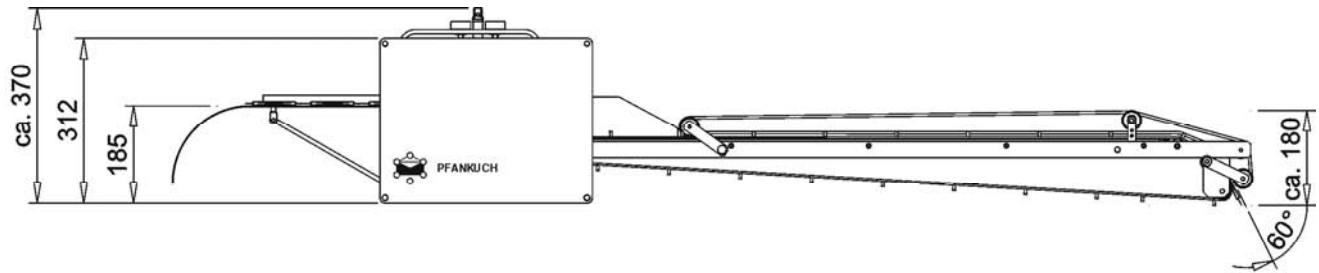
- Compact construction for heavy duty applications
- Easy and uncomplicated machine integration into existing OEM machinery for further production and packaging
- Height adjustable horizontal delivery
- Reliable operation security ensures most efficient productivity, efficiency and profitability



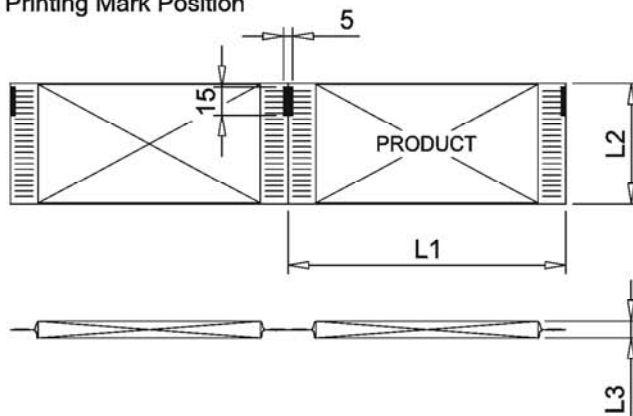
PFANKUCH

PFANKUCH MASCHINEN GMBH
Kurt-Fischer-Str. 23b
D – 22926 Ahrensburg / Germany
Tel. + 49 (0) 4102-47810
Fax + 49 (0) 4102-478180
www.pfankuch.com
info@pfankuch.com

Technical Data



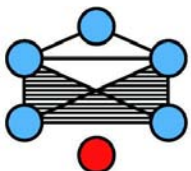
Printing Mark Position



FEEDER	L 1 (mm)*	L 2 (mm)*	L 3 (mm)*	Speed *
PCU 310	min. 40 max appr. 140	min. 20 max. appr. 110	min. 6 max. appr. 25	0 – 60 cycles/ min.

* All data depending on product specifications

Air pressure	: 6 bar +
Initiating pulse	: 15 V – 25 V DC, PNP or NPN
Signal output	: 24 V DC P-MOS open drain
Multi voltage	: 90-240 V, 50-60 Hz, 0,4 kW
Drive	: Servo motor PFANKUCH SM86
Protective system	: IP43 (optional IP63)



PFANKUCH

PFANKUCH MASCHINEN GMBH
 Kurt-Fischer-Str. 23b
 D – 22926 Ahrensburg / Germany
 Tel. +49 (0) 4102-47810
 Fax +49 (0) 4102-478180
www.pfankuch.com
info@pfankuch.com