

# PFANKUCH Feeder Head

## Model ASB 175K-BNA, ASB175KHS-BNA

### “Bottleneck-Applicator”

#### Automated Feeding of Bottleneck Hangers onto Bottles

#### Machine Concept

The PFANKUCH feeder head model ASB175-K-BNA (Bottle-Neck-Applicator) is especially designed for automated processing and feeding of marketing promotion material as neck hanger applications onto bottle necks. Typical application fields are the beverage-, food and cosmetic industry. The feeder can process bottle neck hangers up to 2mm thickness with different sizes and designs made of paper or plastic material (also multiple pages, scored or perforated). The material quality should be min. 160g/m<sup>2</sup>. The delivery is equipped with an individually adjustable rod guidance, which ensures exact hanger positioning onto bottlenecks even with highest speed. Machine installation is inline on top of the bottle conveyor belt in an area with a defined pitch between bottles. Achievable cycle speeds depend on specific production conditions and neck hanger sizes (the speed for the standard machine is up to appr. 12.000 hangers/ h whereas the speed for the high speed servo motor machine (HS) increases up to appr. 30.000 hangers/ h (depending on product specifications). A speed synchronisation with the bottle conveyor belt can be achieved with an incremental encoder.

PFANKUCH ASB feeder heads operate on a top load bottom feed friction principle. Out of the side-guided magazine the lowest product is slightly separated from the pile by contra rotating stripper wheels. Profiled anti static feed belts lead the product damage-free on the horizontal delivery to a standby position for photo optical double and miss-feed control. An electronic start sensor initiates the feeding process out of this standby position.

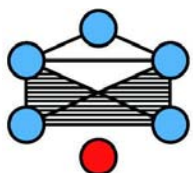


#### Technical Machine Equipment

- Cycle speed up to appr. 30.000 products/ h (HS-version, depending on product specs.)
- User friendly microprocessor controlled operator panel flexible to position
- External start signal processing e.g. by light barrier, speed synchronisation by incremental encoder (option)
- Option: IP 54 splash-proof machine equipment

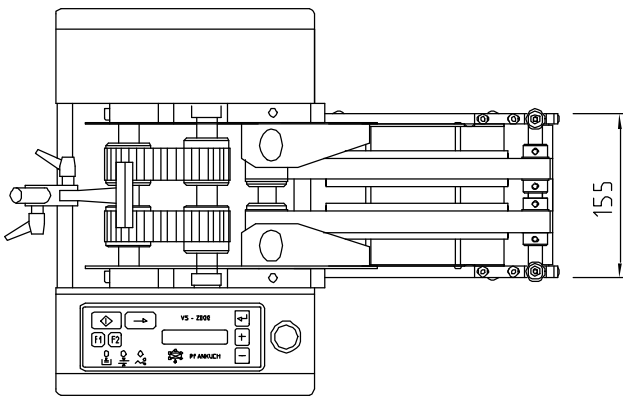
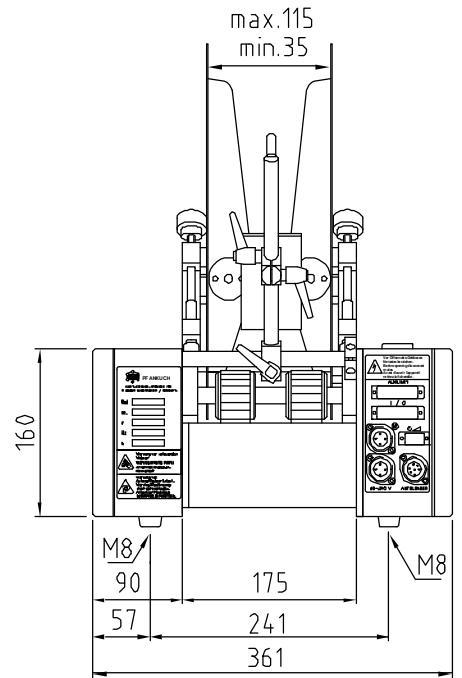
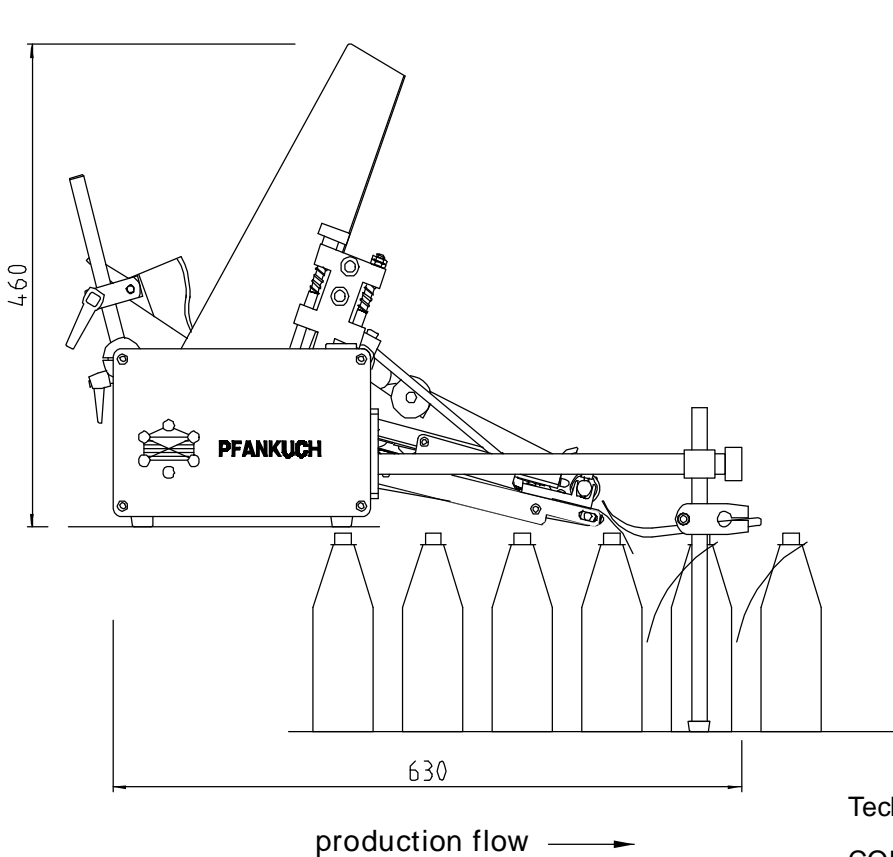
#### Advantages at a Glance

- Heavy duty and compact machine design
- Grants highest productivity and efficiency
- Cost saving potential vs. manual processing of neck hanger
- Allows flexible processing of various different neck hanger designs and sizes
- Easy and uncomplicated machine integration into existing production lines

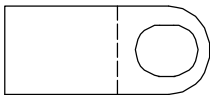


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**SAMPLE BOTTLE NECK HANGER**



VOLTAGE : 90 - 240 V · 50 - 400 Hz · 0,4 KW  
 DRIVE : Servo motor  
 WEIGHT : 35 Kg  
 PROTECTION CLASS : standard IP 43 · special IP 64

**Technical details**

**CONVEYOR LINE**

Spacing between bottles on conveyor  
 Distance  
 type of transport system  
 timing screw  
 belt  
 flat top chain, etc.  
 line speed  
 fixed, variable  
 normal operation  
 maximum speed

**BOTTLE**

Shape and size  
 Height  
 Base configuration and stability  
 Diameter of cap  
 Diameter of neck  
 Neck flanges ? If yes, diameter ?

**Material**

Glass, PET  
 Foil wrap

**NECK HANGER**

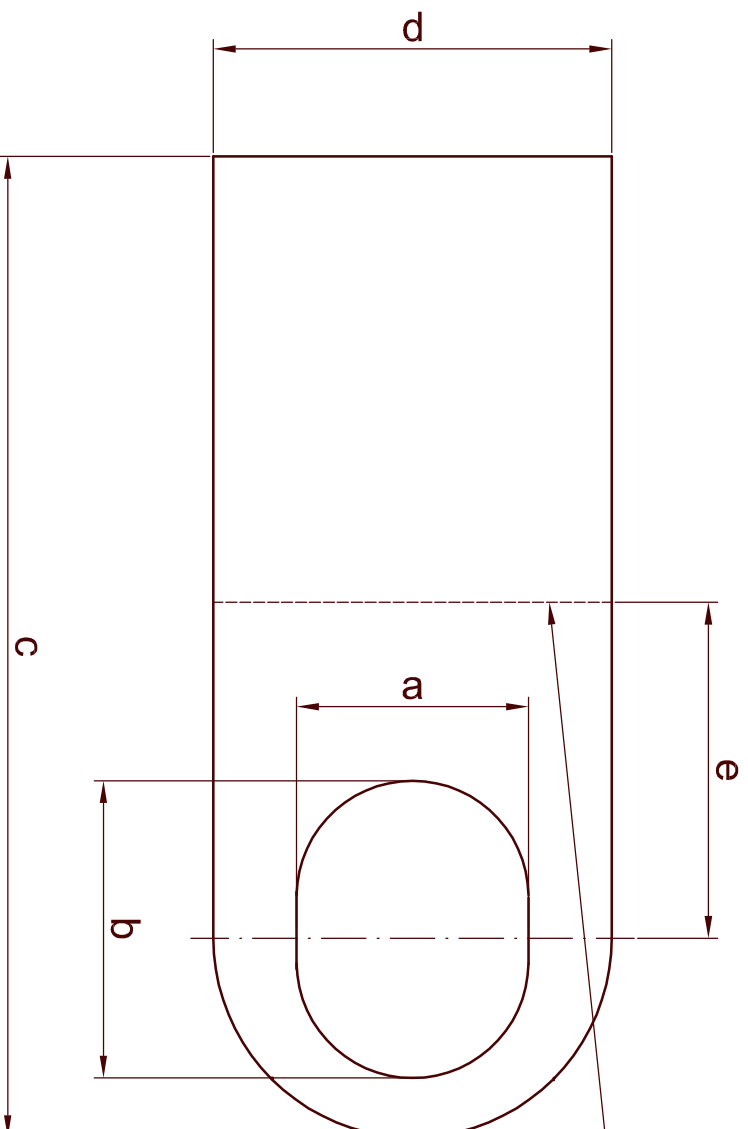
Paper weight min. 150 g/qm  
 Hanger edges should be parallel  
 to ensure precise feeding  
 Tolerance in hole vs neck dimensions  
 vary depending on application specifics  
 Preferably an oval hole is used  
 Single and folded hangers can be run  
 Certain perforation and other  
 embellishments can also be supported  
 Length should not exceed space  
 between bottles



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# PFANKUCH ASB 175-K Bottle Neck Feeder

## Recommended Bottleneck Hanger Specifications



### Score / perforation

- Removable information
- Trouble free follow on packing (e.g. bottle accumulation and case packing)

### Specific Guidelines

**a** = max neck diameter + 6mm

**b** =  $a * 1.25$

**c**  $\leq$  160mm or space between bottles, whichever is smaller

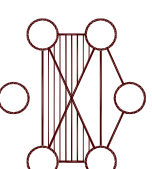
**d**  $\geq$   $a + 10$ mm and  $< 105$ mm

**e** = length from middle of neck to edge of bottle shoulder

### General Guidelines

1. Material thickness  $\geq$  150 gms

2. Parallel edges



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