Feeder for the feeding of booklets and brochures in film wrapping machines

**Design and characteristic features:**

- **Product format:**
  - min. 90 x 100 mm (L x W), transv.
  - max. 420 x 297 mm (L x W), transv.
- **Product feeding from magazine or stream feeder band**
- **Product separation by means of cam controlled grippers and vacuum unit**
- **Depositioning of the products by means of an exit extension with flat belt**
- **Feeding speed max. 200 cycles per minute (depending on product)**
- **Feeding process monitoring via light barrier in the exit extension and immediate stop in case of incorrect feeding process**
- **Monitoring of stack magazine level**
- **Monitoring of stack magazine minimum stack**
- **Exact guidance of products by means of triple flat belt guidance**
- **Infinitely adjustable feeding speed, presetting by means of input at the operator panel with touchscreen**
- **Drive by AC servo motor**
- **Direct feeding of products to the further processing machine**

**Controller:**

- **PLC control, connectable via machine’s docking station**
- **Function test as concerns filling level, minimum stack and missing sheet**
- **Fault message indication by means of signal lamp and PLC interface to machine control**
- **Electric and electronic plug-type connections (machine docking station)**
Format range (special formats possible): | min. 90 x 100 mm (L x W), transv. | max. 420 x 297 mm (L x W), transv. |
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Speed (depending on product): | Max. 200 cycles/min. |
Magazine loading (depending on product): | Stack height max. 250 mm |
Drive: | AC servo motor, infinitely controllable |
Control: | PLC interface, control by input at the operator panel with touchscreen |
Supply voltage: | 3 x 400 V / 50 Hz / Nominal current 10A |
Compressed-air connection: | 6 bar, dry, oil-free air, connection 1/4" to the compressed-air connection of the machine |
Dimensions (W x D x H) / Weight: | approx. 828 x 685 x 786 mm / depending on version and equipment |

**Dimensions for TSA-2 (basic version):**

### Options:

**Buffer rake pneumatically:**  The products are placed on the rake before feeding to the machine (assortment)

**Autoloader:**  For magazine loading with more products – transport belt length from 500 mm to 2000 mm

**Moveable base:**  For variable use of the feeder at the wrapping machine (only possible in case of connection to different docking stations)

**Docking station connection:**  For variable use at wrapping machines (only in connection with movable base)