



**KAVAFAKIS**  
TISSUE PAPER CONVERTING & PACKAGING MACHINERY

## MODULAR SYSTEM - MSA

Automatic bag fillers  
MSA components

Model

**MSB-III**

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**Production lines  
designed according to any market need**

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**Model**

**MSB-III**

## **MSA - modular system with PACKAGING UNIT mod. MSB-III**

### **TECHNICAL FEATURES**

- Ability to bundle packages of interfolded tissues in one and tow layers by 3,4, 5, 6, 8, 9, 10,12, 15, 16, or 20 pieces of different configurations.
- Package formats in one layer configurations :  
2x2, 2x3, 2x4, 2x5, 3x3, 3x4, 3x5, 4x3, 4x4 and 4x5.
- Package formats in two layers configurations : 2x2x2, 2x3x2, 2x4x2, 2x5x2, 3x3x2, 3x4x2, 3x5x2, 4x3x2, 4x4x2 and 4x5x2.
- Packaging height 95 mm to 130 mm in one layer and 190 to 220 in two layers.
- Star-Wheel Uppending System with capacity up to 60 pcs/min.
- Adjustable Feeding Pusher (3 to 6 pieces lengthwise) controlled by Servo motor.
- Modular system formation. Can be fully extended- prolonged.
- Bag supplying conveyer with 4 fitting places plus one working stage (reams up to 200 pieces). Adjustable according to bag's size.
- Plastic bags are automatically displaced into the working stage.
- Automatic opening of the plastic bag by Servo motor. Pneumatic monitoring and protection system.
- Clamp Tower regulated for various bags widths and heights. Adjustable part responsible for opening bag with a pneumatic activation mechanism.
- Bag-filling pusher incorporated to a special linear guide and automation of a mechanical type with an electronic control system (Servo-motor).
- Independent automatic welding clutches. Independet temperature control.
- Double welding and thermal cutting of the plastic trims.
- Automatic removal of the plastic trims by a blower (vaccumm suction+blowing)
- The packages are ready in a horizontal position
- Finished packages can be received and stored with an extra conveyer belt
- Stand by mode monitoring conveyer at the exit of the machine.
- Manual functioning included, all fine adjustments via interactive panel.
- Conveyer belts operate via electric motors with Inverter Controllers.
- All other operations are pneumatic
- High technology electronics by Shneider, Siemens, LS by LG.
- Advanced pneumatic systems by FESTO, SMC and METALWORK.
- Independent electric motors with corresponding gear-reducers, which are electronically driven by SERVO DRIVERS. INVERTERS for conveying.
- Touch screen 10" with full interactivity.Preset parameters of products as well as all Inverter's Parameters are accesible on screen and saved.
- Interior camera for monitoring & support. Connected via USB on panel.
- On screen Registering Production every 15, 120 min or every completed shift. Data can be collected via USB or monitored and recorded via Ethernet.
- Remote Support via Internet and possibility of monitoring the machine from any PC in the factory's premices network.
- Electronic digital instrument for controlling the temperature of the welding and cutting of the plastic trim.
- Electronically adjusted welding time
- Easy mechanical machine set up and change over.
- Standard Safety regulations including:
  - Stand by condition
  - Secured Gates
  - Fault detection system
  - Light signals
  - Message Screen
- Weight: 1500 Kg
- Pneumatic consumption: 160 lt / min
- Power consumption: 12 kW
- Electrical resistance: 1600 W
- Production up to 45 packs/min according to the package configuration..

