



**KAVAFAKIS**  
TISSUE PAPER CONVERTING & PACKAGING MACHINERY

## MODULAR SYSTEM - MSA

Automatic bag fillers  
MSA components

Model  
**MSB-II**

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

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**Model**

**MSB-II**

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

### **TECHNICAL FEATURES**

- Ability to pack single toilet paper in one and tow layers by 4, 6, 8, 9, 10, 12, 15, 18, 20, 24, 30, 32, 40 or 48 pieces in different configurations and dimensions.
- 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 from 9,5 cm to 21,0 cm.
- Modular system formation. Can be fully extended- prolonged
- Bag supplying conveyor with 4 fitting places plus one working stage (reams up to 70 pieces)
- Plastic bags are automatically supplied after being placed in the working stage.
- Automatic opening of the plastic bag
- Clamp regulated for various bags with an adjusted part responsible for opening the bag via a mechanism that is activated with a pneumatic system.
- 3 bag-filling pusher incorporated to a special linear guide and automation of a mechanical type with an electronic control system
- Independent automatic welding clutches
- Network hub- switch included in order to create LAN environment.
- 7" Enda Touch Panel mounted on a panel over a rotating arm.
- Incorporated production countdown ( for partial and overall production ).
- Automatic removal of the plastic trims
- The packages are ready in a horizontal position
- Finished packages can be received and stored with an extra conveyor belt
- Stand by mode for the log saw for automatic storage management
- Manual functioning included, for better adjustment.
- Conveyor belts operate via electric motors.
- All other operations are pneumatic
- The machine operates with high technology electronics and pneumatic systems by METAL WORK.
- Independent electric motors with corresponding gear-reducers, which are electronically driven by INVERTERS.
- Pneumatic and electronic systems with PLC - controller LS by LG.
- Interactive screen with simplified configuration menu.
- 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
- Interior Camera for monitoring & support
- Remote Support via Internet
- Weight: 1050Kg
- Pneumatic consumption: 160 lt / min
- Power consumption: 4,7KW
- Electrical resistance: 1000 W
- Production up to 45 packs/min according to the package configuration for example on 2 layers configurations : ( 12packs/min for 24 rolls/pack)  
( 10packs/min for 30 rolls/pack).

