



PharmaJet  
P&C TE AE

# Masterprint PharmaJet Print & Check Tamper Evident Aero

COMPLIES WITH  
EU STANDARDS



**SERIALISATION • AGGREGATION • TRACK & TRACE**

A high speed labeling, verification and validation serialisation work station,  
designed for pharmaceutical companies

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## ➤ A full range serialisation solution, fully compliant with the EU FMD directives

The PharmaJet P&C TE AERO system provides a full scale solution for pharmaceutical companies, to meet the conditions stipulated by the new FMD directive, entered into force in February 2019.

## ➤ The system ensures a smooth transition to the new structure

The PharmaJet P&C TE AERO system integrates the steps stipulated by the strict EU legislation into the customers' running manufacturing processes, enabling customers to switch over to the new structure without any interruption or default, by the due deadlines, while minimising the changes required to be made to the current systems.

## ➤ Can be tailored to special requirements

The workstation and the new structure to be linked into the overall EU IT system will be created in line with the customer's specific requirements. The PharmaJet P&C TE AERO system offers a high precision, multifunctional and flexible solution, backed up by a state of the art IT system.

## ➤ A solution covering the range of L1 to L4 (including both software and hardware elements)

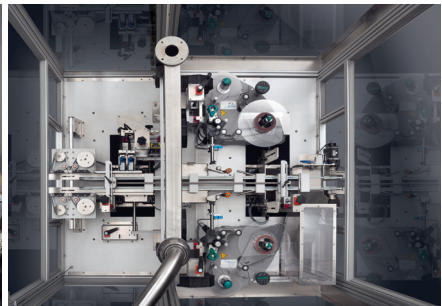
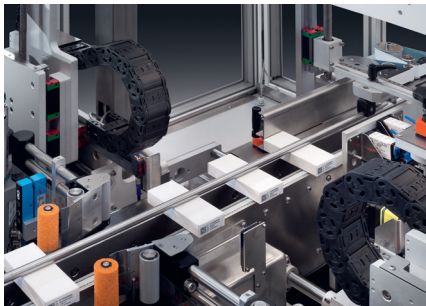
PharmaJet P&C TE AERO offers fully automated functions in the field of pharmaceutical product serialisation. The work station can cope with all requirements related to the security features to be placed onto the packaging of medicinal products. The software part of our solution covers the entire process, from stage L1 to L4.

### Auxiliary services

- ➊ Installation and commissioning
- ➋ Validation
- ➌ After sales support
- ➍ Service level agreement

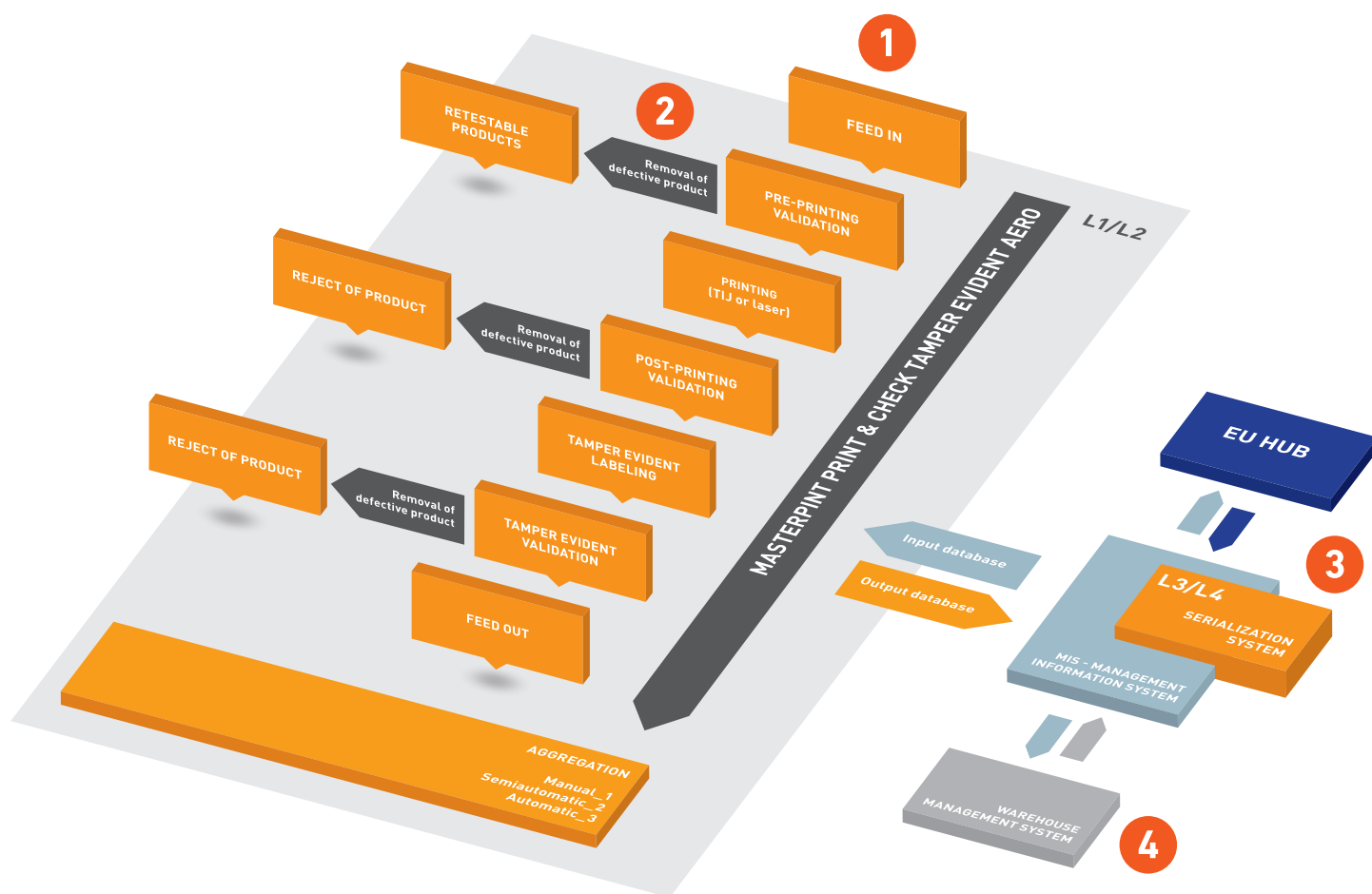
### High quality technological support

- ✓ Local project support
- ✓ 24/7 technological support
- ✓ Remote support, when required
- ✓ A dedicated team of engineers
- ✓ A long term, reliable partnership



### The benefits offered by the PharmaJet P&C TE AERO

- ✓ Offers a full range solution, with an excellent price-to-value ratio
- ✓ Low operational and maintenance costs
- ✓ User friendly management and operations
- ✓ Due to the high speed printing, the serialisation requirements will not slow down the manufacturing process
- ✓ Robust, modular structure, which allows the system to be tailored to individual needs
- ✓ Tamper Evident type label position verification via a built-in camera system
- ✓ The design, implementation and later adjustments are fully in line with the customer's individual manufacturing requirements and other preferences



- 1 **Feeding** - optional checkweigher, checking of box orientation during manual feeding
- 2 **Faulty item** - wrong box orientation, open box flap, wrong direction, wrong weight
- 3 **Serialization system** - can be integrated with any L3-L4 software provider
- 4 **Handling of shipments** - deaggregation and reaggregation of return merchandise

### Optional auxiliary equipment and tools

- **Tamper Evident label** ensures that the packaging remains intact, for an enhanced level of security
- **An aggregator equipment** to further enhance efficiency
- **Special auxiliary materials:** inks, Tamper Evident labels
- **Transport tracks** with modular design
- **Adjustments required to any interlinked machinery** I/O or bus systems
- **The design and manufacturing of auxiliary tools and devices**, facilitating a better integration

## Technical features

### Track & Trace inspection cameras

Up to 3

### Transport system

Flighted conveyor

### Standard belt pitch

125 mm

### Working height

850-950 mm

### Rejection system

Air pressure, 200 l/min @ 6 bars,  
Optional: pneumatic double reject bin

### Max carton weight

max 600g

### HMI

15" TFT Touch screen  
(19" optional)

### Network connectivity

Gigabit Ethernet

### Power supply

3.6 kW, UPS sustained  
(may vary according to laser printing options)

### Rated voltage

3L/N/PE 400 V AC (options depending on local standards)

### Electrical cabinet

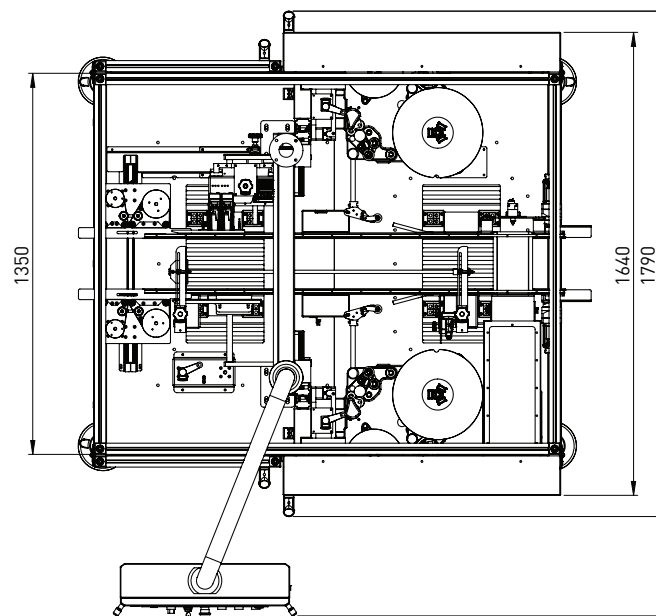
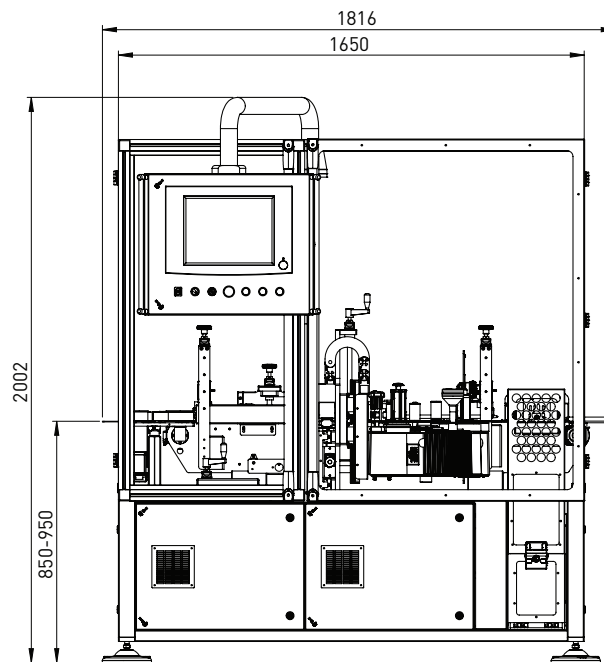
PLC, safety controls, power supply modules, communication modules

### Frame structure

Stainless steel

### Machine net weight

900 kg



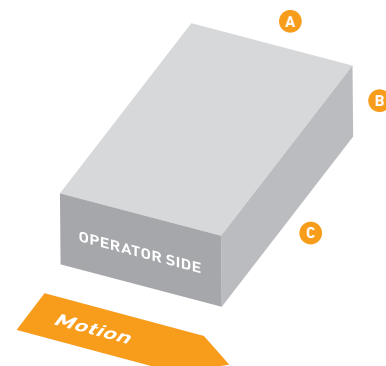
### Carton size

(expandable upon request)

**A** 30 - 120 mm

**B** 15 - 100 mm

**C** 60 - 230 mm



reverse tuck flap or airplane carton

## MASTERPRINT KFT.

PRECISE SOLUTIONS FOR A PRECISE WORLD

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ISO 9001:2015

ISO 14001:2015

Masterprint Kft. was established in 2007, and is now a major and leading labeling industry player in Hungary. The Company has sold systems and equipment to 18 European countries so far.

The Company is mainly engaged in the distribution of labeling technology equipment produced by leading manufacturers, which are able to operate at the most advanced technological levels, and to meet the highest quality standards. In addition to that, the Company maintains a continuous business relationship with all major local and global pharmaceutical companies, thanks to its own in-house development projects, own product lines offered, and serialisation solutions.

The reliable, and high quality solutions offered by the Company are the results of the Company's on-going cooperation with the world's leading manufacturers, as well the Company's work experience accumulated in the field of serialisation, over the period of one decade. The Company offers innovative solutions to all challenges offered by the pharmaceutical serialisation industry, via its team of dedicated senior engineers, having vast, several decades of experience, coupled with the hiring of junior engineers, who keep adding fresh, innovative power to the firm.

### **The Company's business activities cover all sub-areas of the industrial labeling industry:**

- distribution
- operations
- repair & maintenance
- design
- manufacturing
- tailor made solutions