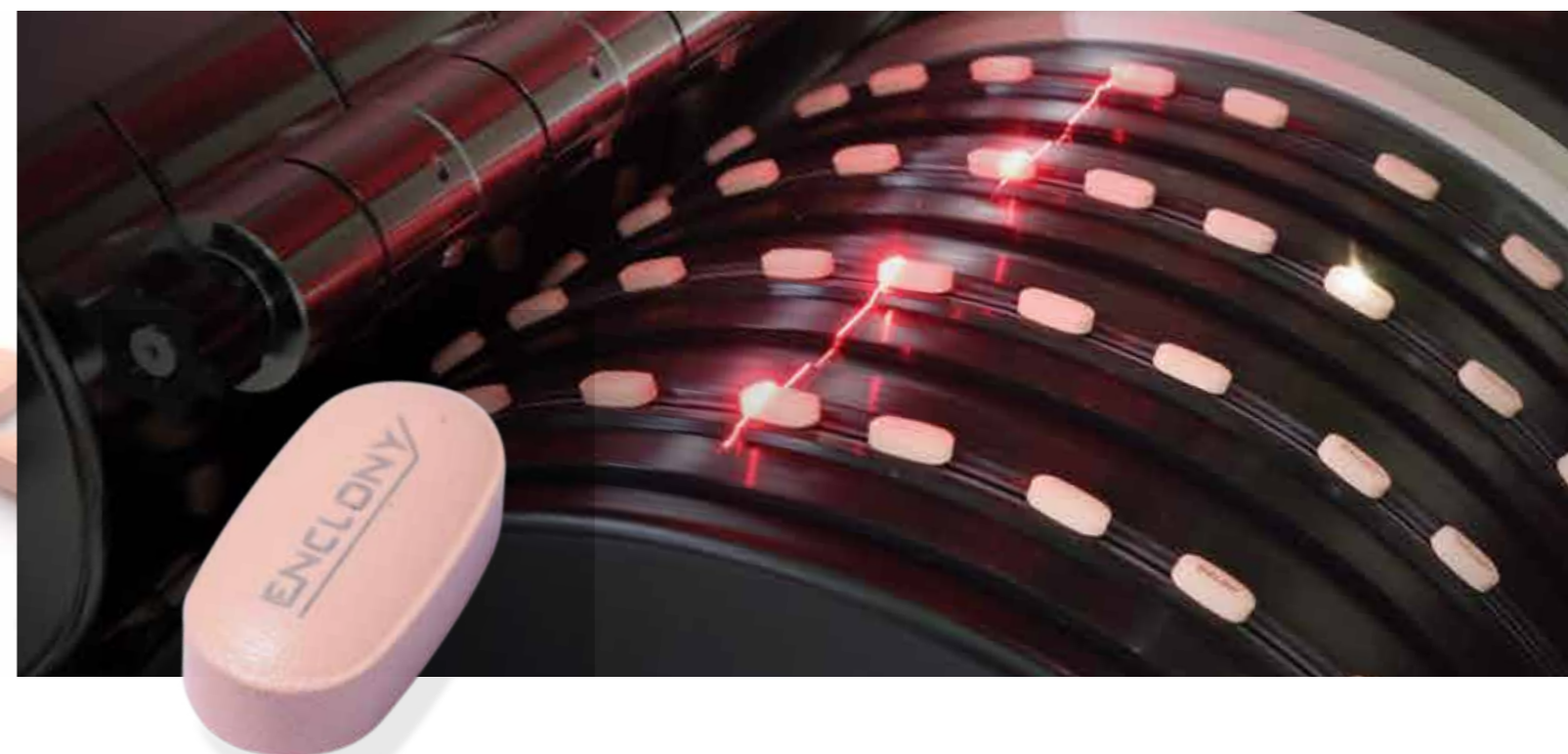


LASER Printing & Vision Inspection for Tablet & Capsule



ENCLONY.COSA

Marketing and Sales : Cosa Partners Corporation www.cosa.kr
#305, Kolon Idea-Police, Sohyang-ro 11, Wonmi-gu, Bucheon-si, Gyunggi-do, Korea 420-864
E-mail : sales@cosa.kr Tel.: +82 32 323 8378 Fax.: +82 32 323 8379

Manufacturing : Enclony Co., Ltd. www.enclony.co.kr
#910, Ace Twin Tower 1, Digital-ro 285, Guro-gu, Seoul, Korea
E-mail : enclony@enclony.com Tel.: +82 2 855 0095 Fax.: +82 70 8650 4810

Enclony Europe : E-mail : peter.hjorth@nordinnovation.se Tel.: +46 70 759 52 71

Contents on this catalogue are to assist understanding of the equipment only and are subject to technical modifications without prior notice. The final specification is as per our quotation offered to you exclusively.

UV Laser Printing & Vision Inspection for Tablets & Capsules

▼ **Clear and Sharp Print**

Complete printing without partial missing, double stamping, ink specks, ink drops, etc

▼ **Flexible Design**

Freely applicable of alphabet, numbers, symbols, even complicate graphic design like Chinese characters by computer design

▼ **Vision Inspection**

Inspection by 3D and 2D color cameras

▼ **Lowest Operation Cost**

No ink, print pad and its consumables necessary and saving inventory cost

▼ **Cold Print**

Cold UV laser print without any effect on the tablet

▼ **Rapid Change-over**

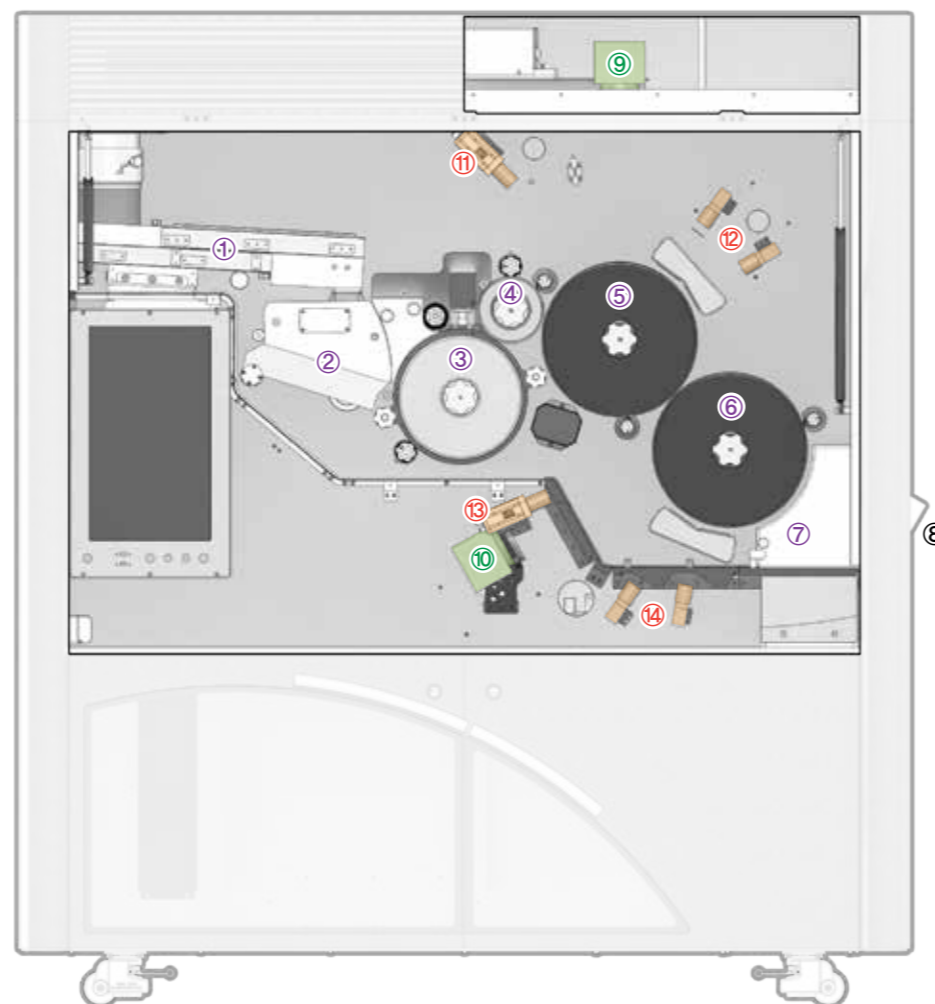
Format parts change-over in **5 min.** with selection of the product on HMI whose all parameters are saved as a recipe

▼ **cGMP Design**

Balcony structure for complete separation between production chamber and mechanical section

▼ **Equipment in Clean**

No ink mess on the equipment



Specifications (COSMO-LPI4)

Output : max. 600,000 tablets/hour of tablet feeding

Actual output is subject to print design and tablet characteristics—size, shape, surface, etc.

Applicable Products :

- Round tablets : 5mm ~ 12mm
- Oblong and oval tablets : length 10~20 mm
- Hard gelatin capsules : capsule no. 00, 0, 1, 2, 3, 4, 5

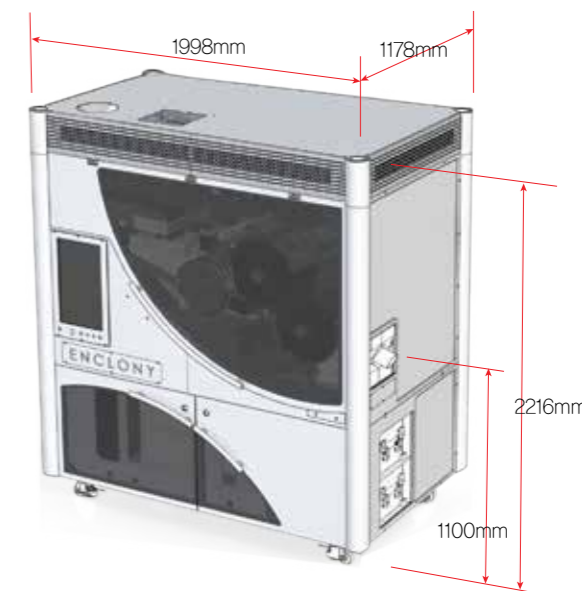
3D Cameras capable of inspection for chip, broken, score line, height defects, etc.

- Height resolution : 33um
- Area resolution : 40um

2D Cameras capable of inspection for print defects (position, unprinted etc.) and tablet defects (color contrast, black dot, hair, chipped coating, etc.)

Auxiliaries : Vacuum unit, UPS and Chiller unit

Layout



Format Parts



● **Mechanical Parts**

- ① vibration feeder
- ② alignment vibration feeder
- ③ product supply drum
- ④ transfer drum
- ⑤ printing and inspection drum 1
- ⑥ printing and inspection drum 2
- ⑦ un-printed and defect separated bins
- ⑧ discharge of good tablet/capsule

● **UV Lasers**

- ⑨ laser scanner (top)
- ⑩ laser scanner (bottom)

● **Cameras**

- ⑪ 3D cameras (2 sets for top)
- ⑫ 2D color cameras (4 sets for top)
- ⑬ 3D cameras (2 sets for bottom)
- ⑭ 2D color cameras (4 sets for bottom)