

# Osmotic Pump Tablet Laser Drilling Machine



**Drilling diameter range**  
0.3-1.2mm (Continuously adjustable)



**Inspection accuracy rate**  
100%



**Rejection accuracy rate**  
100%



**Drilling depth range**  
0.2-1.2mm (Continuously adjustable)



**Drilling accuracy**  
 $\pm 0.1$ mm



**Output**  
20,000-100,000 psc/h

Our production-type osmotic pump tablet laser drilling machine meets the GMP requirements of the pharmaceutical industry. This machine mainly consists of a CO<sub>2</sub> laser drilling system, a vision inspection system, a rejection system, and a fume extraction system. This laser drilling machine is suitable for drilling single- or multi-apertures for various osmotic pump products. This includes single- or bi-layer round tablets, oval tablets and LCT products. This machine ensures continuous, stable and efficient production, with a high output of up to 100,000 tablets per hour.



#### Automatic loading system

Automatic feeding with high filling rate. Feeder material level and feeding speed can be adjusted and controlled according to production needs. Guaranteed stable production and minimized defects.



#### Laser drilling system

Capable of single-sided or double-sided laser drilling up to 4 apertures per side. The aperture spacing can be adjusted according to customer requirements, and the positioning accuracy of drilling is  $\pm 0.5\text{mm}$ .



#### Vision Positioning System

The tablet's color, positioning, etc. can be determined, and the tablet's aperture can be quickly identified with a positioning accuracy of  $\pm 0.1\text{mm}$ .



#### Vision inspection system

It can quickly detect the presence, location, number and diameter of apertures in tablets.



#### Automatic rejection system

Automatically rejects defective tablets and performs visual inspection confirmation. This system has a 100% detection and rejection accuracy.



#### Digital management system

The digital management system can set and save the production formula of different types of products, conduct real-time monitoring during the production process, record production data, and generate traceability reports, so that customers can know the production status at any time.



ruhlatmat Automation Technologies (Suzhou) Co., Ltd.

+86 512-6767 1108

No.16 Yangfu Road, Suzhou Industrial Park, Suzhou, China 215021

www.ruhlatmat.com.cn



YouTube



Facebook



LinkedIn