

PIPE CUTTING AUTOMATIC LOADING SYSTEM



International Technology • Australian Service

Fully Automatic High-volume Laser Tube Cutting Solutions

Hymson Laser provides you with automatic tube cutting solutions, and rich and perfect supporting mechanisms. With the small batch automatic loading and fully automatic loading mechanisms, you can achieve a high degree of automatic tube cutting processing.

- With the increase in the requirements of product diversification, low manufacturing cost, short manufacturing cycle, etc. in society, the traditional manufacturing technologies cannot satisfy the market any longer. All industries are managing to break through the low efficiency and high labor cost. Especially in the field of laser machining, high repeatability, long time and low efficiency of manual material loading and unloading have become the pain points in the industry.
- A single or multiple Hymson laser cutting equipment connected to the control system, 3D storage unit, take-out device, laser material loading and unloading robots, etc. achieve a 7*24 unmanned automatic production line integrating automatic warehouse-in of plates, material loading, cutting, unloading of finished products and waste disposal.

Flexible Processing

By expanding the three-dimensional material warehouse of tubes, automatic loading system and automatic tube unloading system, the whole process of automatic loading, cutting and unloading can be realized, and high precision, high speed and high efficiency flexible processing of tubes can be completed.

Economical High-volume Processing

Automatic continuous loading, automatic continuous feeding, intelligent follow-up discharging, automatic finished product conveying, ultra-economical to complete the production work of large quantities of different specifications of tubes all day, saving material and labor costs and improving efficiency benefits.

Wide Range of Processing

Professional automatic loading and unloading of various types of tubes such as square tubes, circular tubes, rectangular tubes and profiles such as I-beams and groove steel.

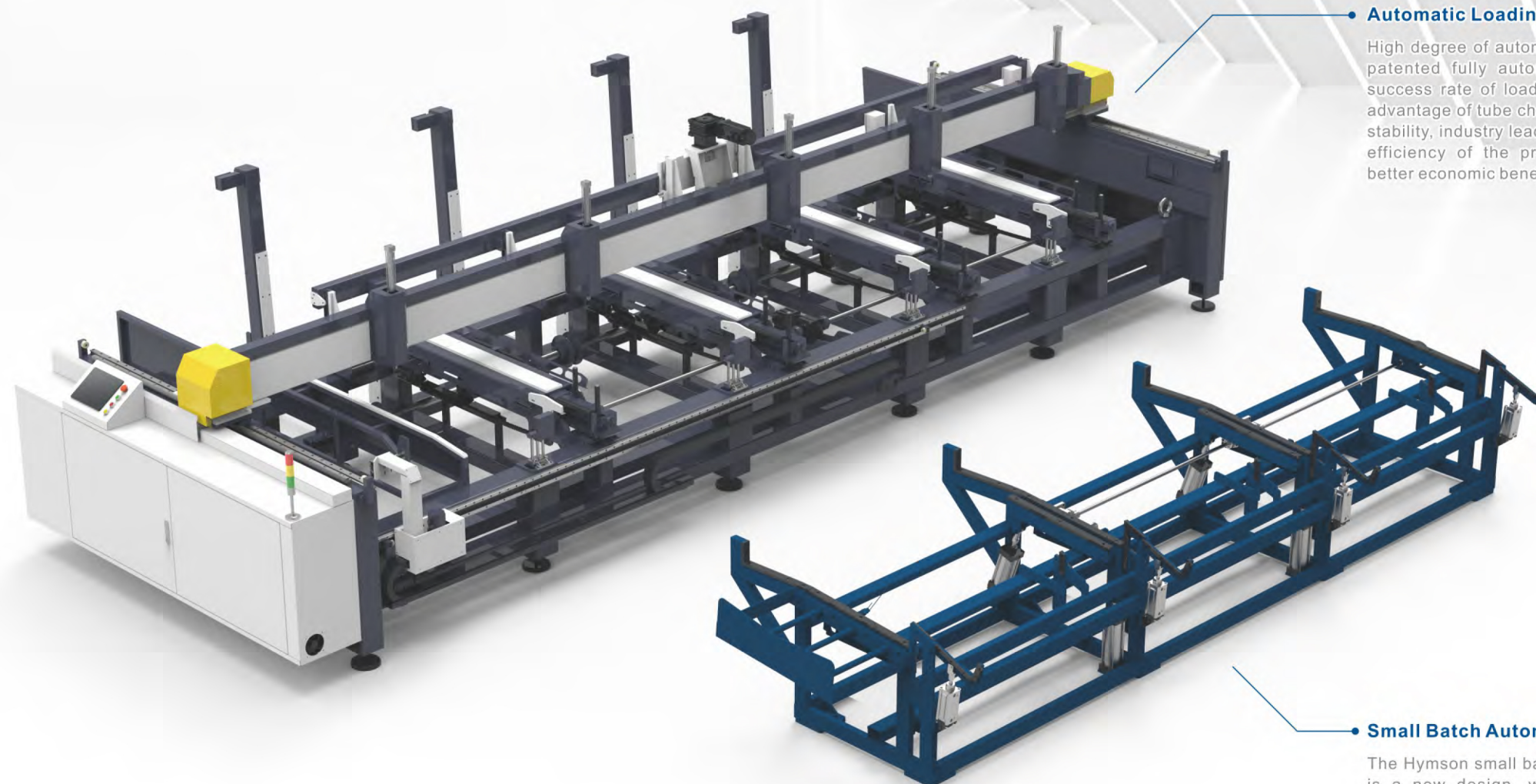
Safety And Security

Fully automatic loading and unloading system can effectively improve production safety without increasing manual labor, reducing personnel work intensity and labor cost.

Independent Control

The automatic loading mechanism adopts independent control system unit, which can work independently and synchronously, greatly improve the production efficiency, with simple and clear interface, convenient and quick operation.

- The Hymson automatic loading system for tube cutting adopts the material pushing type tube cutting technology to realize automatic whole bundle loading. Just lift the conventional raw materials into the storage rack in batches to achieve: the whole process of automatic loading → automatic feeding → automatic cutting → automatic blanking, thus realizes rapid continuous automatic cutting production of tubes.



Automatic Loading System

High degree of automation, standard with Hymson patented fully automatic loading system. High success rate of loading and dividing feeding, the advantage of tube changing beat is obvious, strong stability, industry leading, highly improve the whole efficiency of the processing, save labor costs, better economic benefits.

Small Batch Automatic Loading System

The Hymson small batch automatic loading system is a new design, with simple structure, stable loading, high loading efficiency, small footprint and high performance cost ratio, greatly improving the production efficiency.

