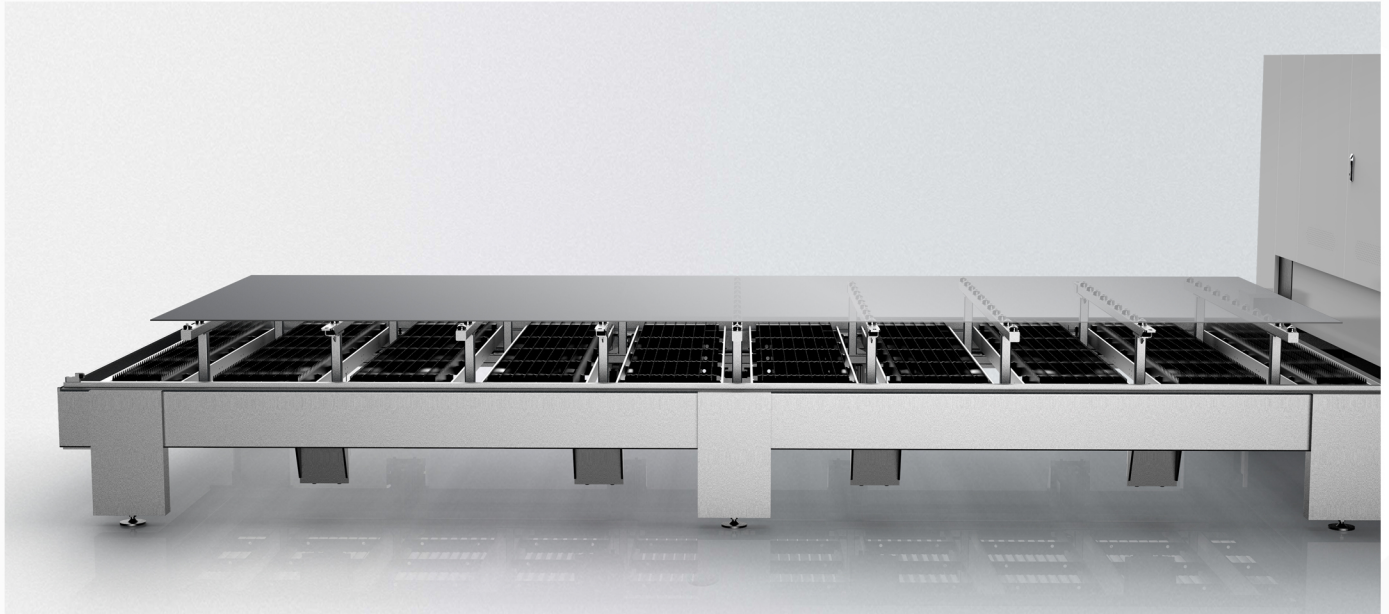





# iLift

## Latter Bed Ejector Rod



-  **Pneumatic Lift**  
Lifting sheets fast and efficiently with a pneumatic lifting structure.
-  **Preventing Scratches**  
Ball bearing rollers are installed at tops of supporting rods to prevent workpieces scratches effectively when loading and uploading.
-  **Strong Bearing Capacity**  
Wide range of applications, with a maximum full-table bearing capacity for a 6mm stainless steel sheet.

### Technical Parameters





Maximum feeding plate size:	3000mm*1500mm	4000mm*2000mm	6100mm*2500mm
Maximum loading weight:	215kg	380kg	725kg
Maximum thickness of feeding plate	6mm	6mm	6mm
Minimum thickness of the feeding plate	1mm	1mm	1mm
Module dimensions:	2600mm*1500mm*955mm	3600mm*2000mm*955mm	5600mm*2570mm*955mm
Weight:	170kg	230kg	350kg
Control method:	Foot switch	Foot switch	Foot switch
Lifting method:	Pneumatic lifting	Pneumatic lifting	Pneumatic lifting

Version number 2022. 10  
(Above data is only for reference)

# iLoader

## Automatic Loading Module



-  **Intelligent Sheet Separating**  
Avoid loading stuck sheets in a single loading as processing.
-  **High-strength Linear Structure**  
The loading layout uses the linear structure with stronger rigidity and better loading capacity, which loads a maximum of 20mm thickness for a single sheet.
-  **Flexible Loading Size**  
The size and type of the loading sheets are flexible and various.
-  **Safety Interlock**  
The safety interlock prevents operations from irreversible accident in safety.

### Technical Parameters

Working area:	3048mm*1524mm/1500mm*1200mm/1000mm*1000mm
Module dimensions:	5000mm*2500mm*3100mm
Weight:	1000kg
Maximum loading weight:	700Kg
Maximum thickness of feeding plate	20mm
Minimum thickness of the feeding plate	1mm
Z-axis travel:	450mm
Z-axis positioning accuracy:	±1mm
Control method:	Lever control
Lifting method:	Sprocket, chain

# iLoader-eco

## Auxiliary Loading Device



### Modular Design

Modular design, easy assembly

### Easy to Install

Easy installation, thanks to the small size and light weight

### Manual Control

Simple operation to control lift and release with control levers

### Automatic Braking

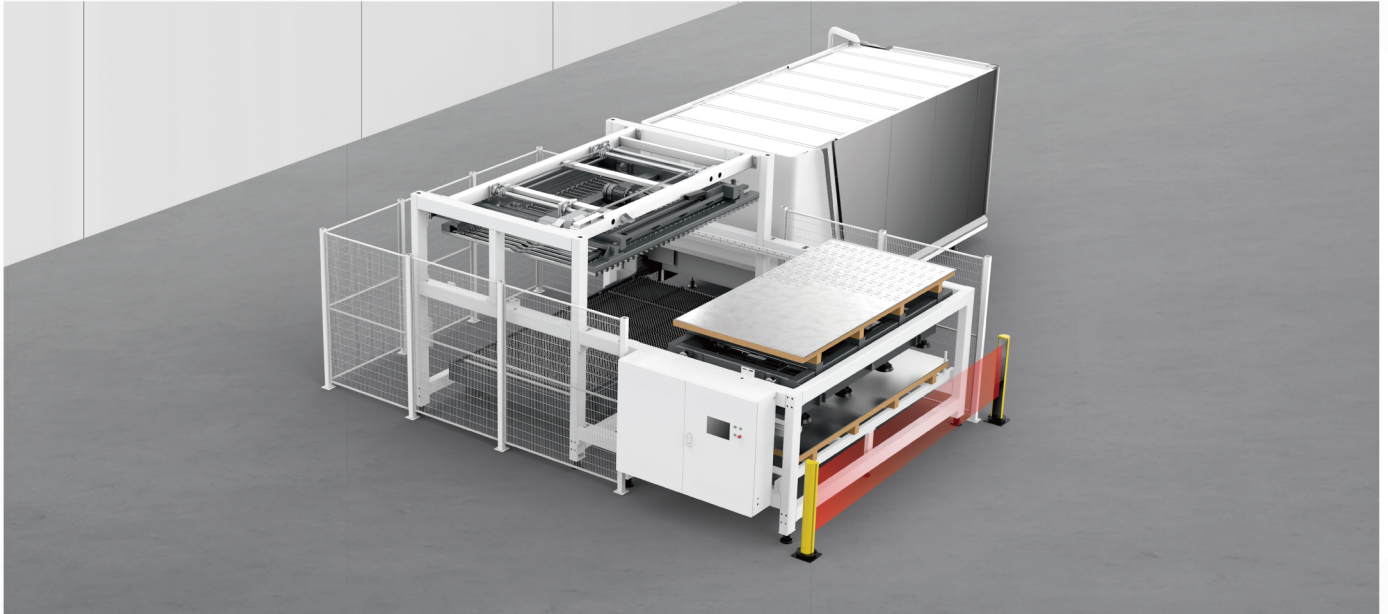
Automatic braking without additional controls; Heavier load, stronger braking

## Technical Parameters

Working area:	400mm*400mm-1524mm*3048mm
Weight:	475Kg
Maximum loading weight:	300Kg
Maximum thickness of feeding plate	10mm
Minimum thickness of the feeding plate	1mm
Z-axis travel:	1000mm
Control method:	Lever control
Lifting method:	Cylinder

# iTrans

## Fully Automatic Loading and Unloading System



- ⓐ **Automatic Loading and Unloading**  
Fully automated processing of loading and unloading, save time and manpower.
- ⓑ **Flexible Layout**  
The loading module is suitable on both the left and the right, achieving flexible on-site layout methods.
- ⓒ **High-strength Linear Structure**  
The loading layout uses the linear structure with stronger rigidity and better loading capacity, which loads a maximum of 25mm thickness for a single sheet.
- ⓓ **Automatic Sheets Separating**  
Lifting the corners of sheets first, avoids loading multiple sheets.
- ⓔ **Material Detection**  
iTrans gives an intelligent reminder once no sheet detected on the material pallets.

### Technical Parameters


Working area:	1000mm*1000mm-3000mm*1500mm	1000mm*1000mm-4000mm*2000mm
Module dimensions:	4800mm*4000mm*2600mm	9000mm*6000mm*4000mm
Weight:	4800kg	10000Kg/11000Kg
Control method:	Touch screen operation	Touch screen operation
Maximum thickness of feeding plate:	25mm	12mm/25mm
Maximum loading weight:	900Kg	800Kg/1600Kg
Minimum thickness of the feeding plate:	0.8mm	1mm
Finished product trolley maximum load:	3T	3T
Maximum height of finished sheet:	85mm	300mm(with wood pallets)





# iTower


## Single-module storage tower




-  **Intelligent Control**

The collaborative operation between the loading-unloading system and the laser cutting machine makes automated mode for fully automated circular processing and single-cycle processing optional.
-  **Automated Loading**

The storage tower automatically prepares steel sheets required for the next process and put the sheets on the pre-loading table according to process distributions by the control system.
-  **Small Space Occupied**

Newly compact full-function structure design of the storage tower requires small work space for installation and performs flexible application.
-  **Detection Function of Sheet Metal**

With the detection function according to processing orders under loading, the storage tower gives a reminder for manual material addition when sheets are not enough.
-  **Wide range of processing materials**

Thanks to the suction cup structure, iTower is allowed to process various types of materials, including carbon steel, stainless steel, aluminum, brass, etc.

### Technical Parameters

Working area	1250mm*1250mm-3048mm*1524mm
Maximum loading weight:	300kg
Minimum loading sheet size	1250mm*1250mm
Maximum thickness of feeding plate	6mm
Minimum thickness of the feeding plate	1mm
Maximum height of finished sheet	300mm
Control method	Touch screen operation
Lifting method	Sprocket, chain

# iTrans Tower

Intelligent Loading And Unloading, Compact Solid Storage Tower For Intelligent Production



- » **Vertical Storage for Sheet**  
Multi-layer storage racks designed to save space.
- » **Automated Loading and Unloading**  
Fully automated processing of loading and unloading, save time and manpower.
- » **Finished Material Automated Returning to Tower**  
Processed workpieces are automatically returned to the tower so as to achieve unattended operation.time and manpower.
- » **Double Unloading Pallets**  
Double pallets for unloading speed up the storage system circulation to 180 seconds for a circle.
- » **Automatic Sheets Splitting**  
Lifting the corners of sheets first, avoids loading multiple sheets.
- » **Detection Function of Sheet Metal**  
iTransTower gives an intelligent reminder once no sheet detected on the material pallets.

## Technical Parameters

Working area:	1000mm*1000mm-3048mm*1524mm
Module dimensions:	17450mm*10000mm*5600mm
Weight:	12000kg
Maximum thickness of feeding plate:	10mm
Continuous reloading time:	180s
Single shelf bearing weight:	3T
Individual shelf height:	400mm
Control method:	Touch screen operation
Lifting method:	Sprocket, chain