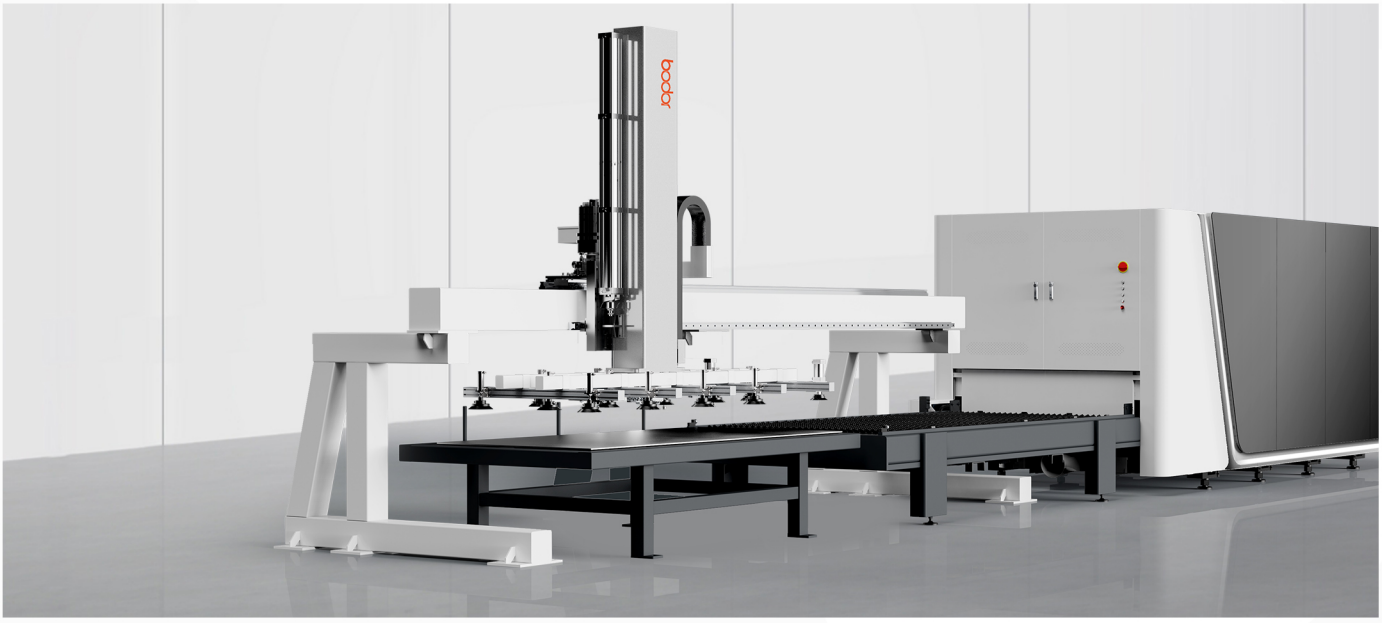
iLoader

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

Version number 2022. 05
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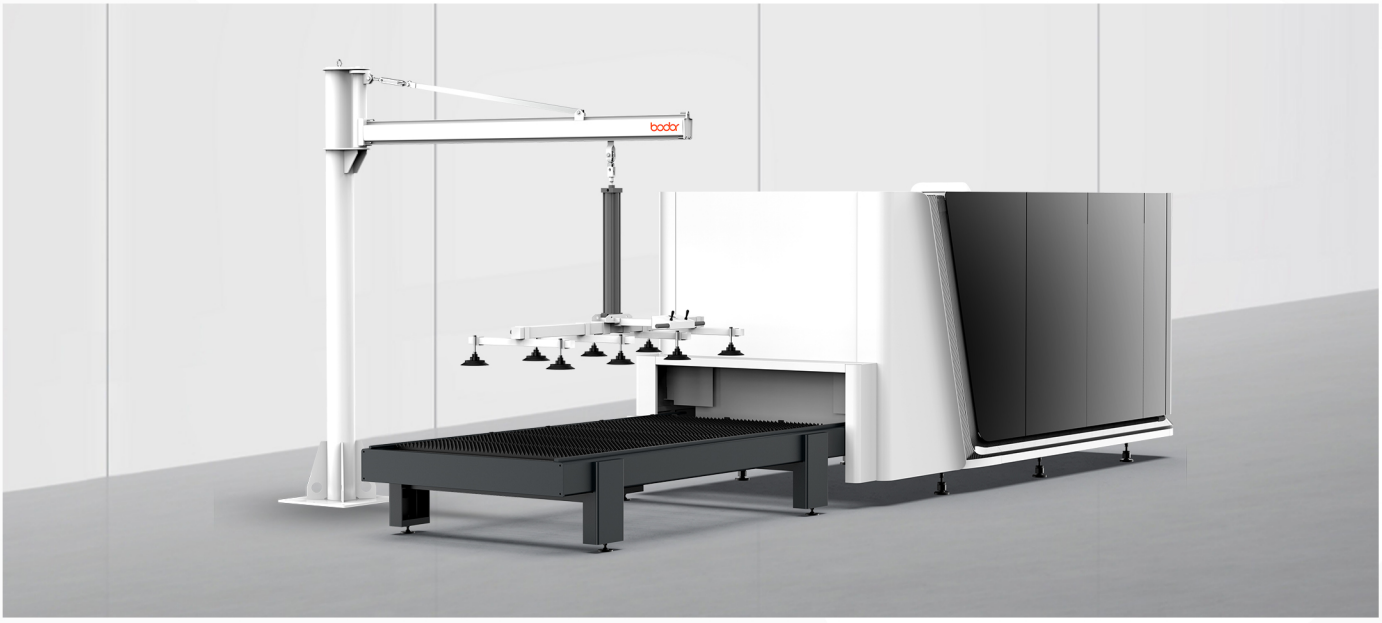
iLoader-eco

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

Version number 2022. 11
(Above data is only for reference)

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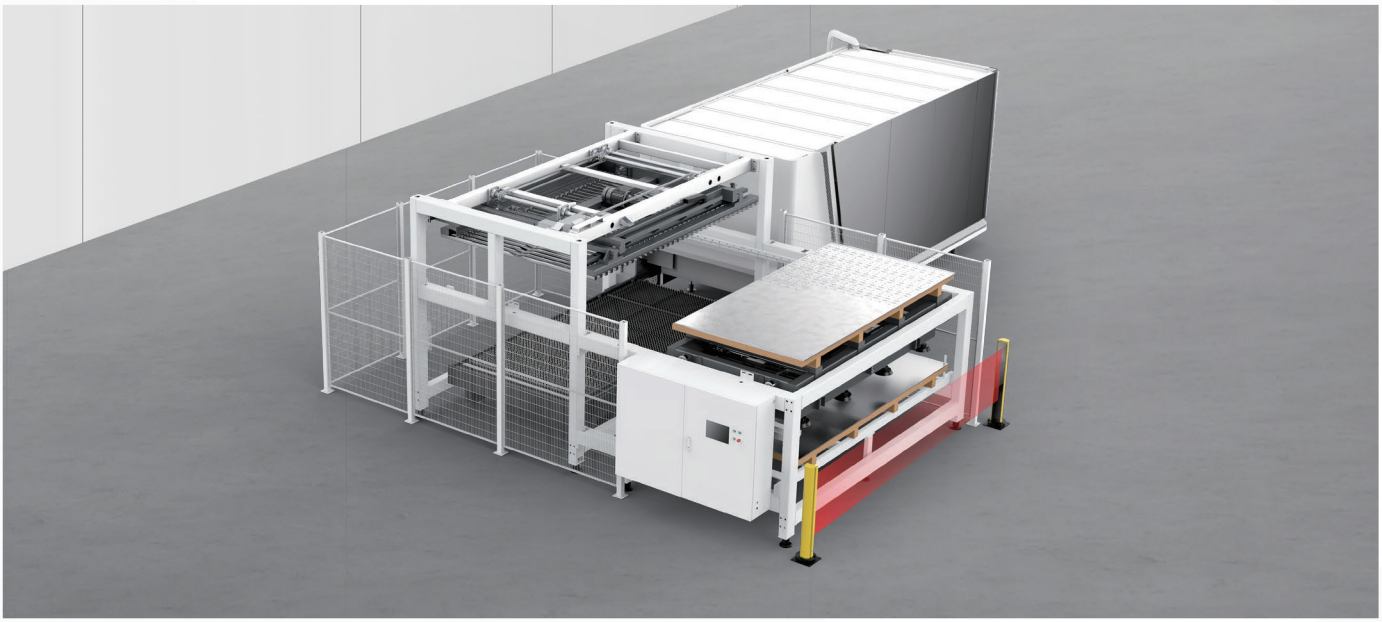
iTrans

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.

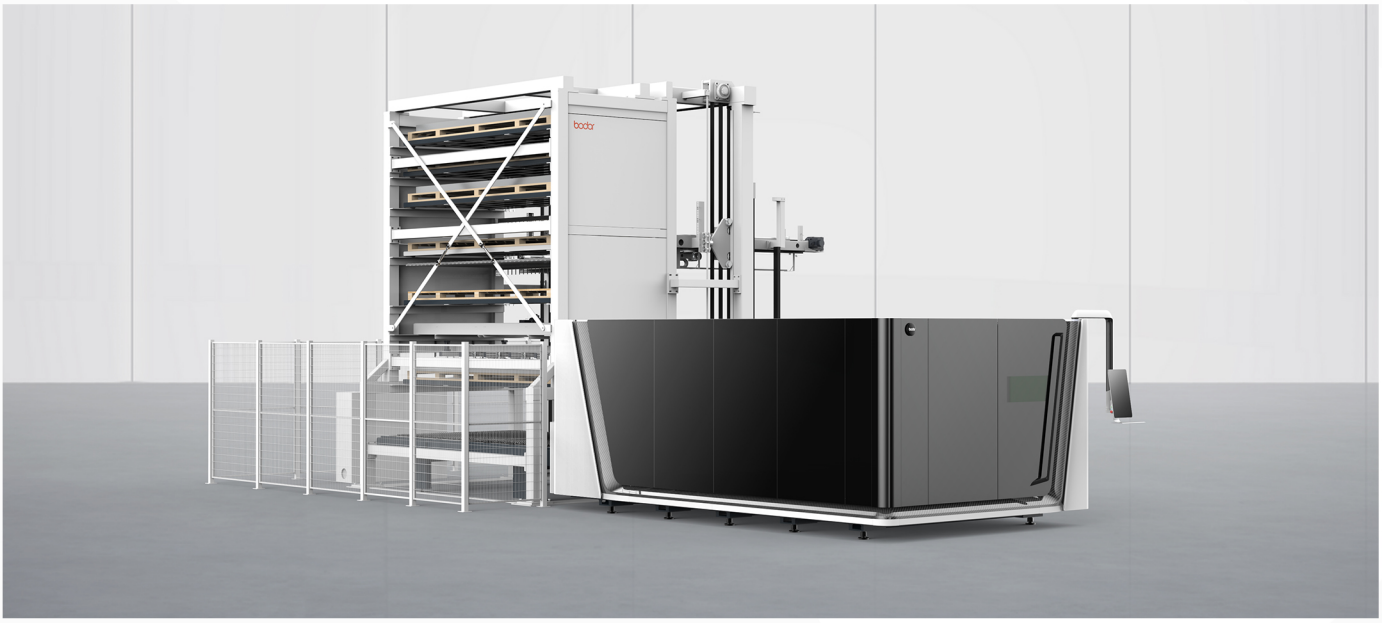
Technical Parameters

Working area:	3000mm*1500mm	4000mm*2000mm	6500mm*2500mm
Module dimensions:	4800mm*4000mm*2600mm	9000mm*6000mm*2600mm	15513mm*10802mm*3700mm
Weight:	4800kg	10000Kg/11000Kg	10000Kg
Operation method:	Touch screen operation	Touch screen operation	Touch screen operation
Maximum thickness of feeding plate:	25mm	12mm/25mm	8mm
Maximum loading weight:	900Kg	800Kg/1600Kg	1000Kg
Minimum thickness of the feeding plate:	0.8mm	1mm	1mm
Finished product trolley maximum load:	3T	3T	5T
Maximum height of finished sheet:	85mm	300mm(with wood pallets)	300mm

Version number 2023.04
(Above data is only for reference)

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.

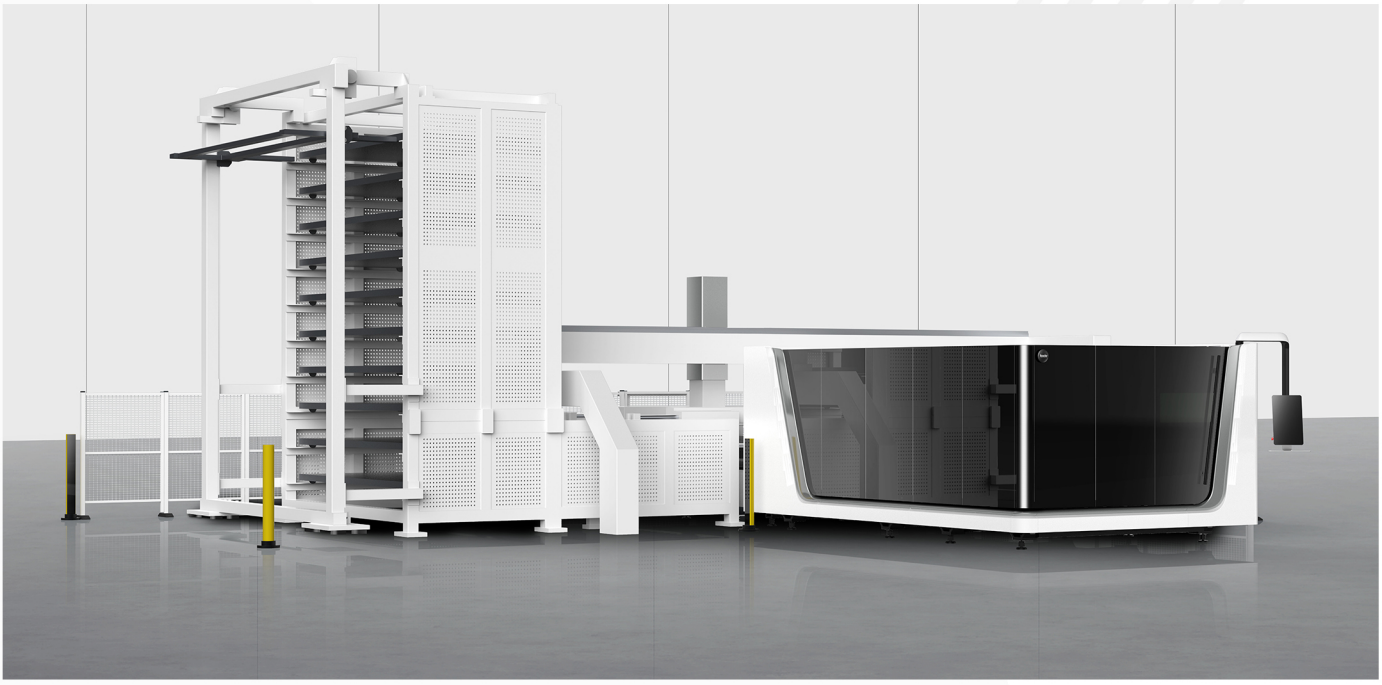
Technical Parameters

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

Version number 2022. 01
(Above data is only for reference)

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

Version number 2021 11
(Above data is only for reference)