

# iLoader

Automatic Loading Device



- » **Automatic Loading**  
Fully automated one-click loading and processing ensure an increase of 20% of efficiency.
- » **Servo Control**  
Servo controlled, the swing arm is positioned with R axis accuracy  $\pm 1^\circ$ .
- » **Automatic Sheets Splitting**  
Lifting the corners of sheets first, avoids loading multiple sheets.
- » **Material Detection**  
iLoader gives an intelligent reminder once no sheet detected on the material pallet.

## Technical Parameters

Module dimensions:	4200mm*1500mm*2650mm
Weight:	1300kg
Maximum loading weight:	700Kg
Z-axis travel:	700mm
R-axis travel:	0~120°
Z-axis positioning accuracy:	$\pm 1$ mm
R-axis positioning accuracy:	$\pm 1^\circ$
Operation method:	Key operation
Lifting method:	Sprocket, chain

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(Above data is only for reference)

# iTrans

Fully Automatic Loading And Unloading System



- » **Automatic Loading and Unloading**  
Fully automated processing of loading and unloading, save time and manpower.
- » **Fast Loading**  
Continuous loading time reaches as short as 110 seconds.
- » **Automatic Sheets Splitting**  
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.
- » **Finished Material Height Recognition**  
Height of finished materials are detected in real time. iTrans gives an intelligent reminder once the material pallet is full.

## Technical Parameters

Working area:	1000mm*1000mm-3000mm*1500mm
Module dimensions:	6300mm*4670mm*5200mm
Weight:	12000kg
Single layer bearing weight:	3T
Storehouse floor height:	400mm
X shaft stroke (feeding):	5000mm
Z1 Axis Travel (loading):	850mm
Z2 axis stroke (blanking):	850mm
Operation method:	Touch screen operation
Lifting method:	Sprocket, chain

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# 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-3000mm*1500mm
Module dimensions:	6300mm*4670mm*5200mm
Weight:	12000kg
Single layer bearing weight:	3T
Storehouse floor height:	400mm
Operation method:	Touch screen operation
Lifting method:	Sprocket, chain

## iLift

### Latter Bed Ejector Rod



#### » Sheet Position Fixing Aid

The application of ball transfer units helps workers to position sheets quickly.

#### » Anti-scratch

Effectively avoid scratches of workpieces with no relative motion between ejector rods and blades in unloading process.

#### » Less Manpower

Hydraulic lifting system greatly saves manpower.

#### Technical Parameters

Maximum feeding plate size:	3000mm*1500mm
Minimum loading sheet size:	900mm*900mm
Maximum loading weight:	1000Kg
Module dimensions:	2610mm*1241mm*280mm
Weight:	850kg
Operation method:	Foot switch
Lifting method:	Hydraulic lift

# Dragonfly

Automatic Loading Module



- » Solve the problem of manual slag removal of slat and reduce labor intensity;
- » Realize the rapid cleaning of the slag of the slat and improve the efficiency of cutting equipment;
- » Improve the service life of the slat, reduce the damage of accessories and the cost of use;
- » Improve the batch processing quality of workpiece and make metal processing cleaner;

## Technical Parameters

Item:	parameter
Adaptable model:	A/F/E/C/P/S/G
Suitable blade thickness:	2mm-6mm
Maximum slag removal thickness:	25mm
Minimum blade spacing:	30mm
Rated voltage:	220V
Rated power:	1600W
Total weight:	≤30kg
Tool life:	> 1 year
Slag removal rate:	≥5m/min

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