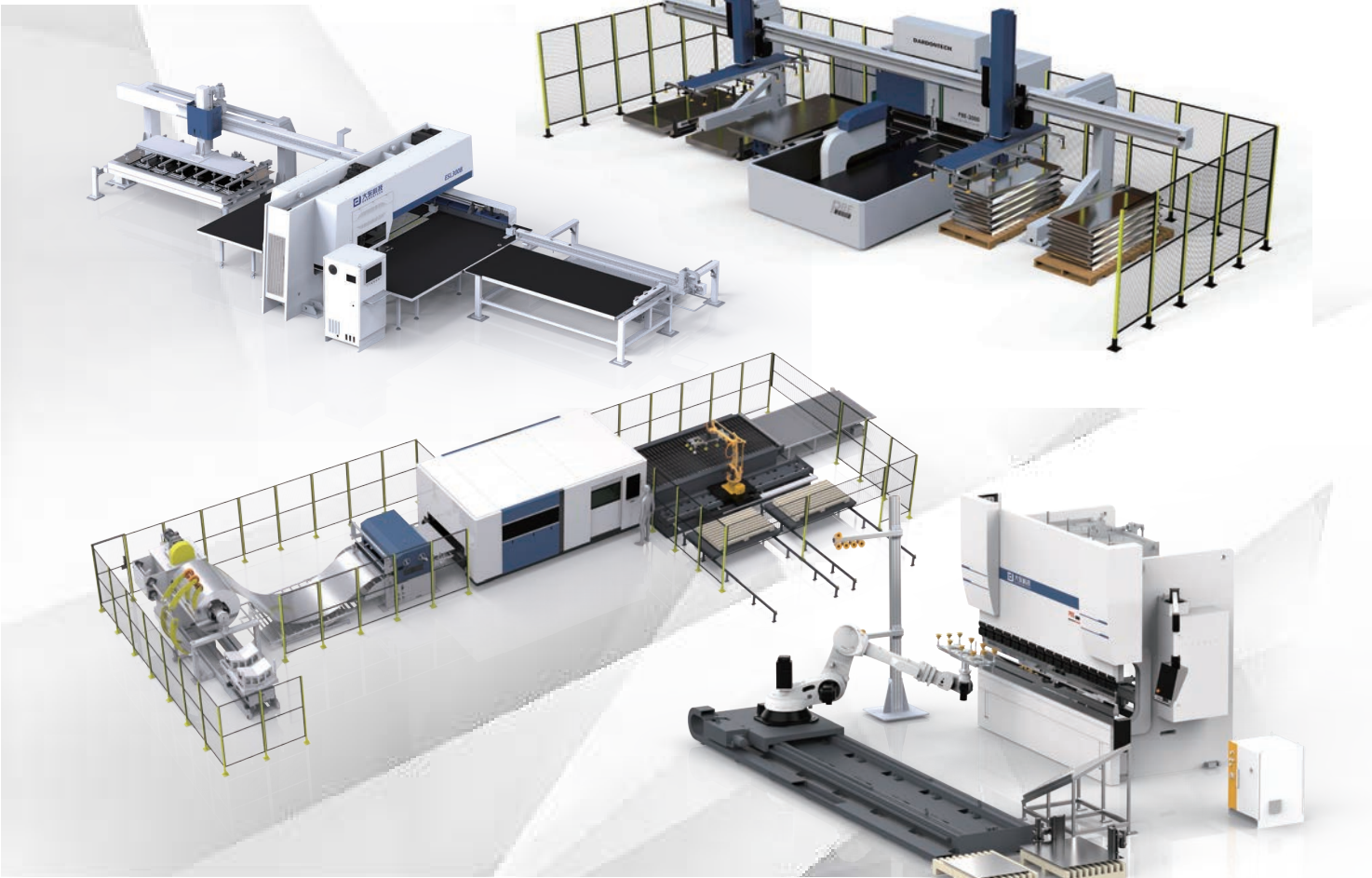


# DARDONTECH

Enable Global Manufacturing



- Laser Cutting Machine
- CNC Press Brake
- CNC Turret Punch Press
- Panel Bender
- Punch and Laser Combined Machine

# C COMPANY PROFILE



Scan to view and step into DARDONTECH

Qingdao Dadong Automation Technology Co., Ltd. was founded in March 2013. In August 2018, invested 36.5 million US dollars in the construction of the Intelligent CNC Equipment Technology Park in Qingdao Marine High-tech Zone, which was put into use in August 2019. The Second Phase (also known as the large tonnage press brake project) has an investment of 30 million US dollars, and the Third Phase (also known as the Sheet Metal Intelligent Manufacturing Automation Production Line Project) has an investment of 53 million US dollars. The total area is 128,000 m<sup>2</sup>. Together, these phases have formed the "China Sheet Metal Equipment Intelligent Transformation Base".

The company is specialized in CNC machine tools for sheet metal industry, such as Punch & Laser Combined Machine, Fiber Laser Cutting Machine, CNC press brake, CNC Turret Punch Press, and Panel Bender, as well as CNC flexible production lines. They are widely used in metal processing industries including power complete sets of equipment, cabinets, curtain wall decoration, household appliances, elevators, fire doors, kitchen equipment, heavy machinery, and ship building industries, etc.

The company has an independent R&D department, which promotes the development of the industry through technological innovation. The thunder-speed pre-sale and after-sale service mechanism is another factor of sound reputation. The products are sold well globally, such as Europe, North America, South America, Southeast Asia, South Asia, Central Asia, Africa, the Middle East, and Russia.

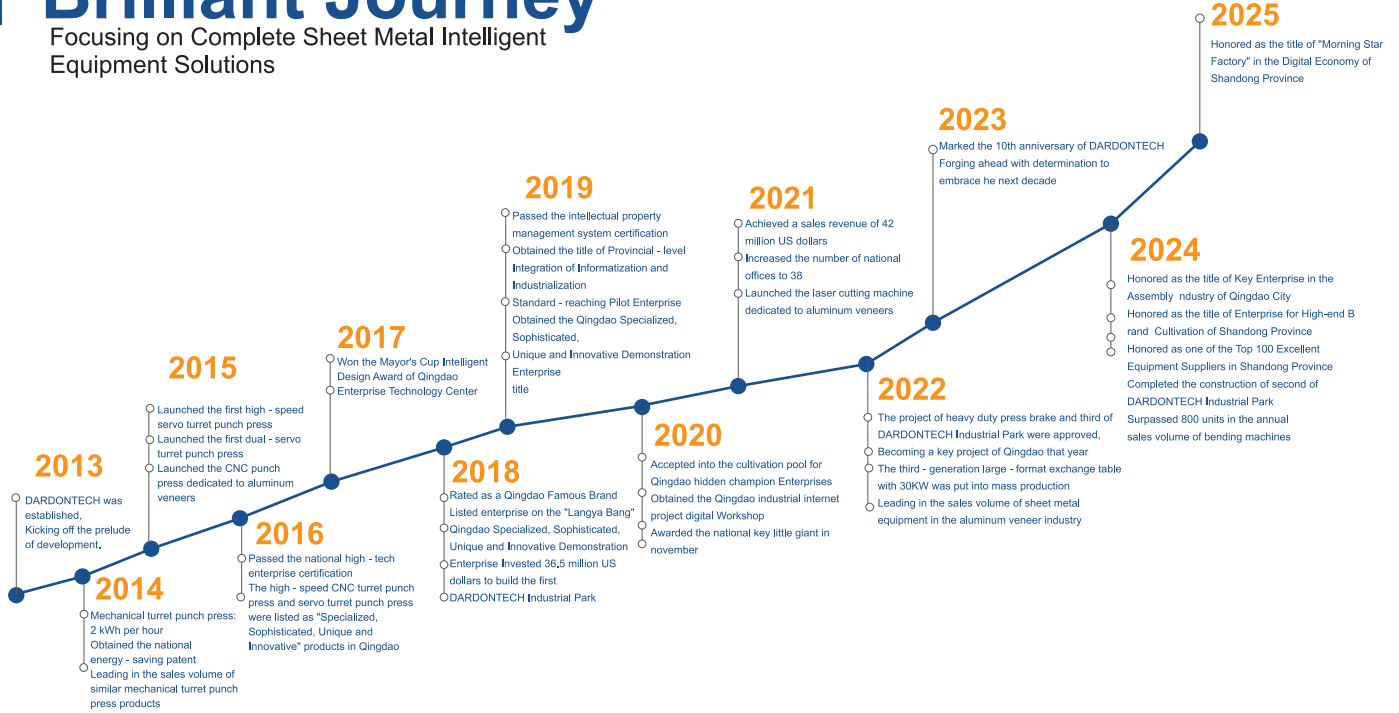
During this period, the company has established industry-university-research cooperation agreements with institutions such as Nanjing University of Science and Technology and Qingdao Military-Civilian Integration College.



# MILESTONE

## Brilliant Journey

Focusing on Complete Sheet Metal Intelligent Equipment Solutions



# PRODUCTIONS

## CNC TURRET PUNCH PRESS WORKSHOP



## CNC PRESS BRAKE WORKSHOP



# PRODUCTIONS

## LASER CUTTING MACHINE WORKSHOP



## PANEL BENDER WORKSHOP



# MACHINING STRENGTH

## 5-Axis Machining Center



MODEL: VORTEX I-630V/6S  
Process Range: 1425x1050x1050

## 5m Gantry Machining Center



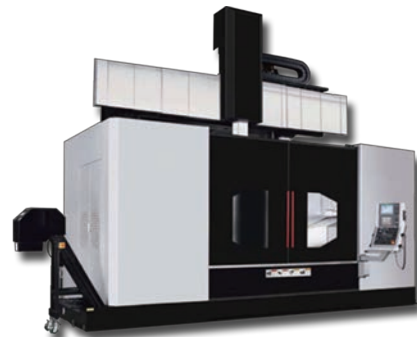
MODEL: ML-532Z4  
Process Range: 5060x3200x1400

## 6m Gantry Machining Center



MODEL: ML-640Z4  
Process Range: 6000x3500x1800

## Vertical CNC Turning Machine



MODEL: VL2500  
Process Range: 2500x2000

## Sandblasting



Purpose: Sandblasting  
Process Range: 2500x6000x2500

## Painting



MODEL: VL2500  
Process Range: 2500x2000

# MACHINING STRENGTH



**Bed Tempering:  
Stress Relief**



**KEYENCE Coordinate  
Measuring Machine (CMM):  
Inspecting Geometric  
Tolerance Accuracy**



**RENISHAW  
Laser Interferometer:  
Precision Inspection and  
Automatic Compensation**



**RENISHAW Ballbar:  
Inspecting the circular  
motion trajectory of  
machine tools**





---

D-ES Full Electric Servo Series

---

D-ESL Punch and Laser Combi

---

D-T Mechanical Series

---

D-TL Mechanical Punch and Laser Combi

---

D-T/Y Heavy-duty Series

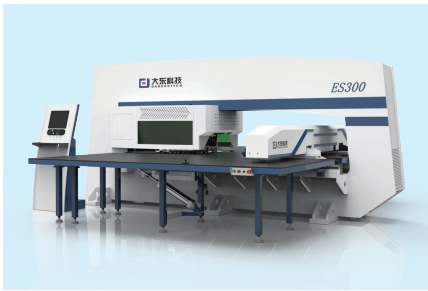
---

D-P CNC Feeders

---

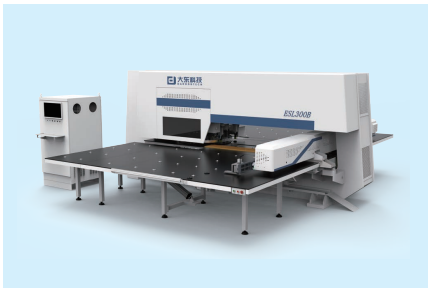
## CNC TURRET PUNCH PRESS





### D-ES300 UNIVERSAL SERVO

Faster speed, higher efficiency and better energy-saving effect



### D-ESL PUNCH AND LASER COMBI

Perfect integration of traditional productivity, solving pain points in sheet metal processing technology



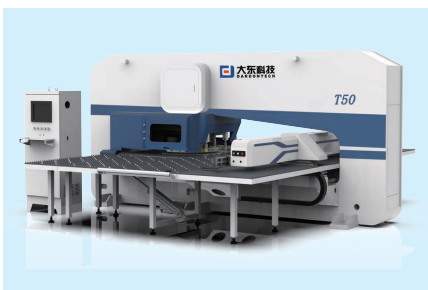
### D-T30 MECHANICAL CNC TURRET PUNCH PRESS

High cost-performance, fast low energy consumption (2kw/h)



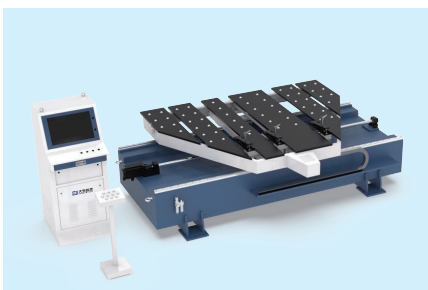
### D-TL MECHANICAL PUNCH AND LASER COMBI

Composite center with higher cost-performance, economical and practical



### D-T/Y Heavy-Duty Series

Thick plate processing, customized solution

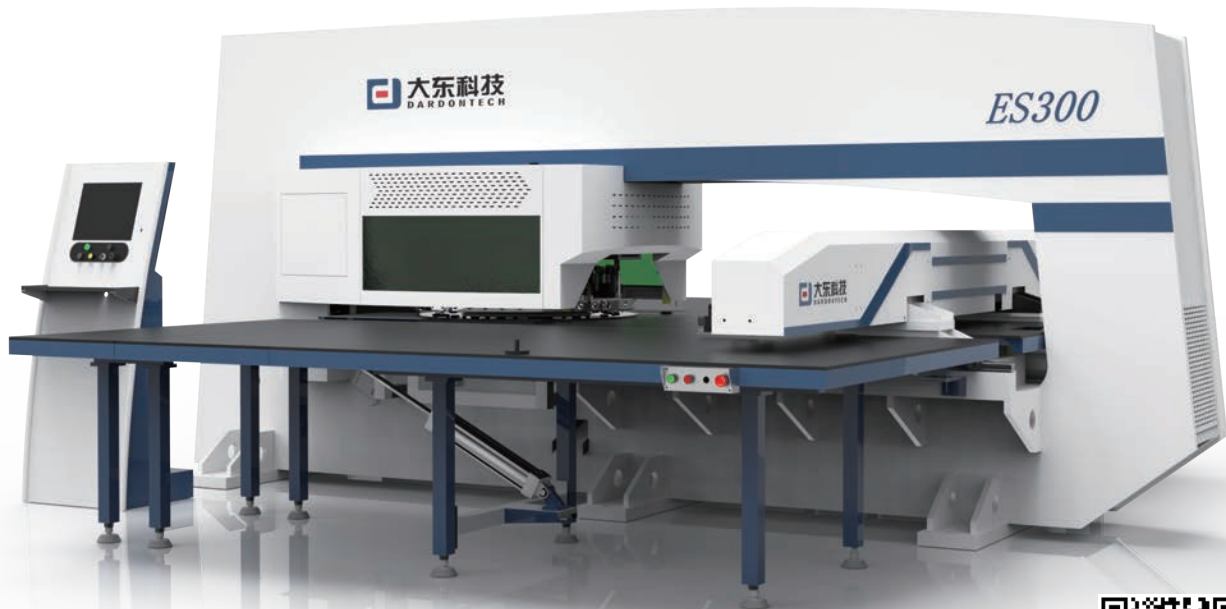


### D-P CNC Feeder

Cooperating with deep-throat punch press, solving dense stamping of mesh plates and stamping processes with blanking requirements



# ES SERIES UNIVERSAL CNC TURRET PUNCH PRESS



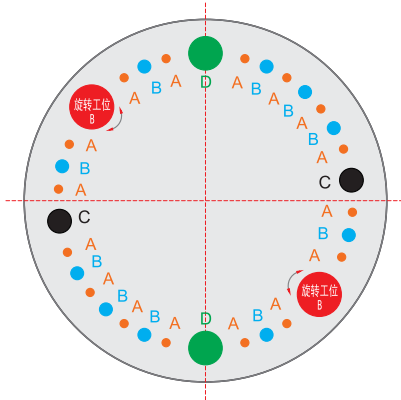
Scan the QR code to  
watch the video

## Features

- The punch is controlled by servo, with a marking frequency of 2000hpm
- Independently developed servo control system with strong compatibility and real-time update
- Can realize high-end processes such as efficient and precise rolling, roll cutting and lettering
- Energy-saving and environmental protection, low energy consumption and low noise



## TURRET LAYOUT



32Station (16A / 12B / 2C / 2D)

Station	(mm)	A	B	C	D
		< $\Phi 12.7$	< $\Phi 31.7$	< $\Phi 50.8$	< $\Phi 88.9$
32		16	12	2	2

## SPECIFICATIONS

### D-ES300

Name	Specifications	Unit
Capacity	300	kN
Hit Rate	2000 <sub>max</sub> /850 <sub>1mm</sub> /400 <sub>25.4mm</sub>	hpm
Max. Sheet Size (One Re-pos)	5000x1250/5000x1500	mm
Max. Hole Diameter	$\Phi 88.9$	mm
Max. Sheet Thickness	$\leq 6.35$	mm
Accuracy	$\pm 0.1$	mm
Feeding Speed	$\leq 110$	m/min
Turret Layout	32(16A 10B 2B <sup>A1</sup> 2C 2D)	
Turret Rotating Speed	30	rpm
CNC Axes	5(X Y T C A)	
Main Motor Power	63	KW
Air Pressure	0.6	mpa
Machine Dimension	4800/5200x5200x2250	mm



# Standard Configuration

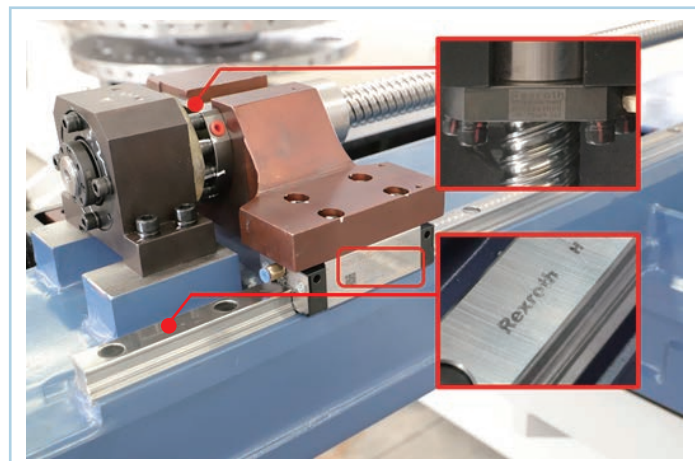
## ■ CNC System

It has a special CNC turret punch press control system with independent intellectual property rights, breaking the market monopoly of foreign systems. It can realize graphic programming, is easy to operate and learn, reduces the technical requirements for operators, and has strong scalability



## ■ Guide Rail and Lead Screw

Fully imported guide rail and lead screw with large lead and high precision  
The first domestic gantry vertical double-guide rail beam design



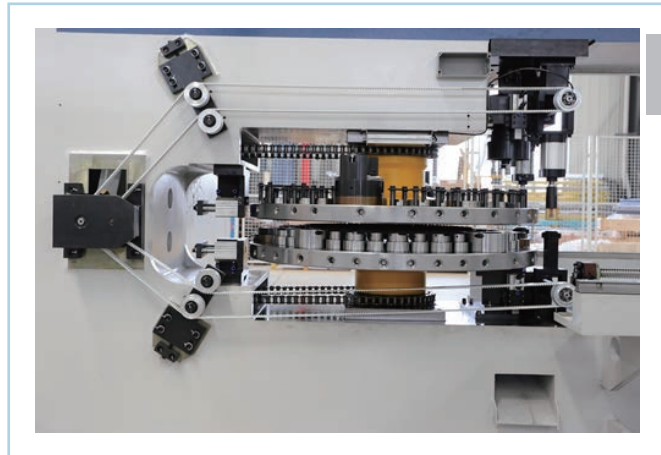
## ■ Seamless Tabletop

Effectively avoid the possibility of collision during high-speed operation of thin plates



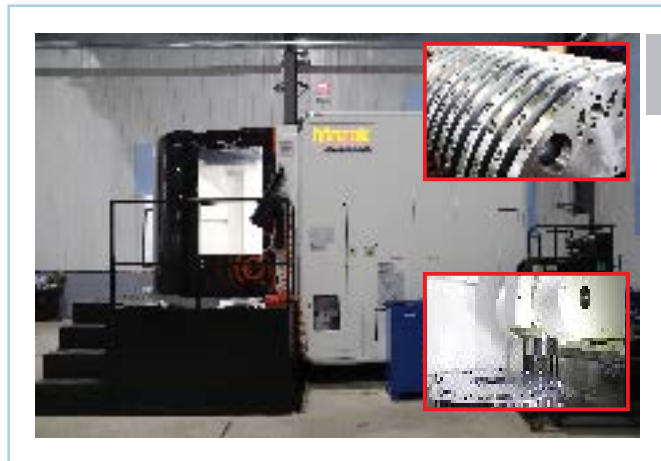
## C-Axis Transmission

Rotary station drive structure - the entire imported Continental synchronous belt from Germany



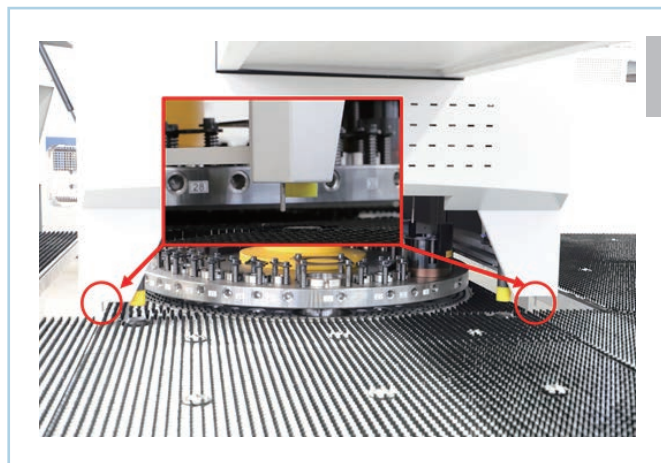
## Turret

Precision machining by Japanese Mazak 5-axis, ensuring the coaxiality of upper and lower molds and prolonging the service life of molds



## Protection Device

Sheet warping protection, mold jumping protection, stroke detection protection, motor overload protection, etc.



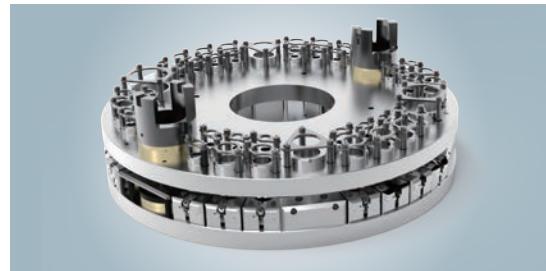
# Options



- Customized turret (4 rotations)



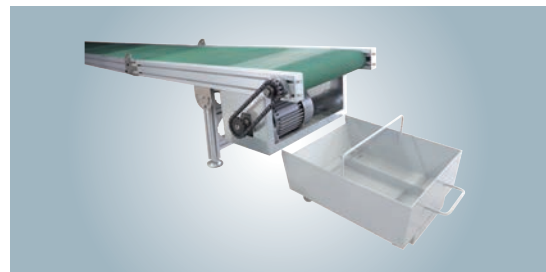
- 46 stations (die quick change device)



- Clamp material stripping protection



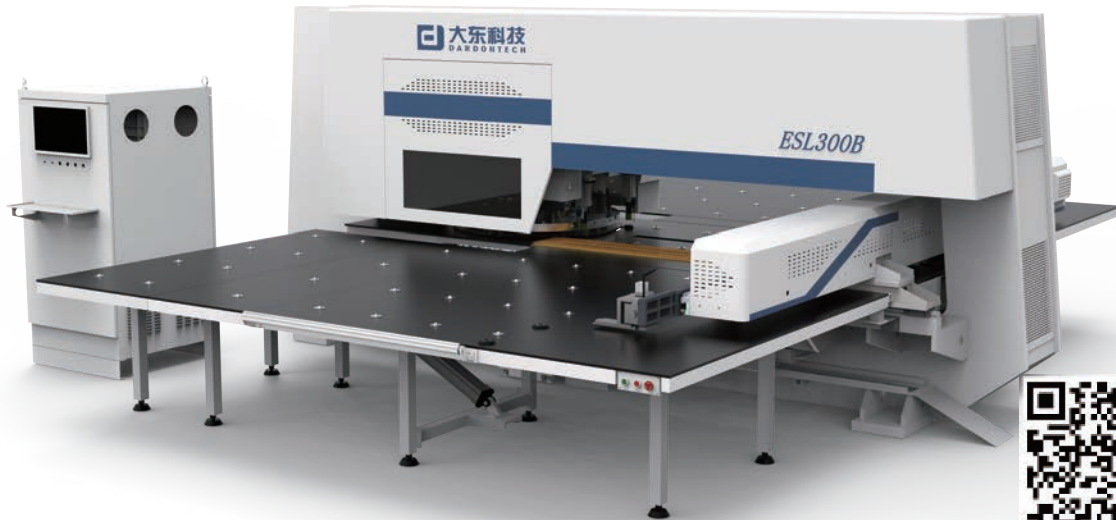
- Waste collection device



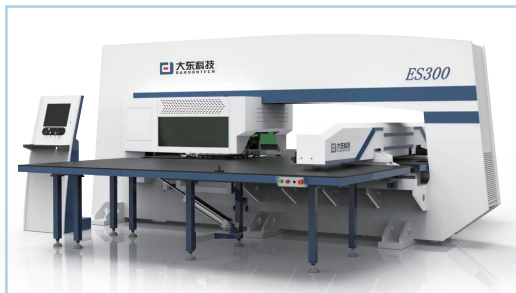
- Automatic loading and unloading device



# ESL SERIES HIGH SERVO MECHANICAL CNC TURRET PUNCH PRESS



Scan the QR code to  
watch the video



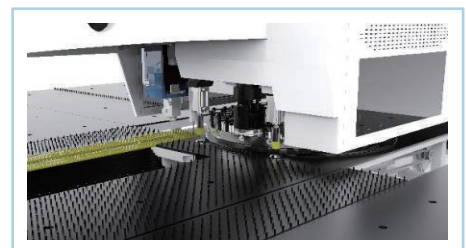
**Integrated**



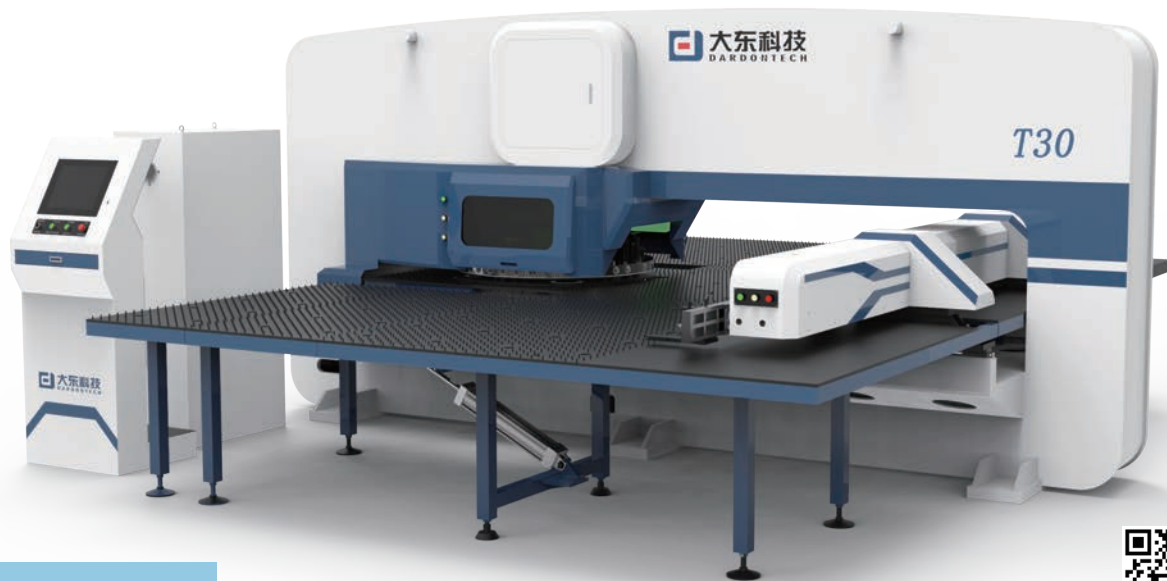
## Features

- The perfect integration of productivity saves labor and frees up space, Avoid accumulated tolerances and improve efficiency

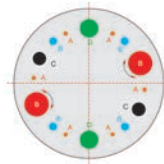
D-ESL300		
Name	Parameters	Unit
Laser Power	3000	W
Punching Force	300	KN
Punching Processing Range	1500*3000	MM
Laser Processing Range	1500*2500	MM
Dimension	5300*6200*2250	MM
Option	Automatic tapping, laser power, punching force, number of stations, processing range	



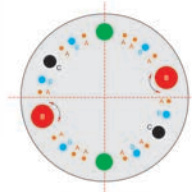
# T SERIES HIGH SPEED MECHANICAL CNC TURRET PUNCH PRESS



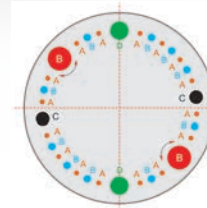
## TURRET LAYOUT



16 Stations(6A/6B/2C/2D)



24 Stations(12A/8B/2C/2D)



32 Stations(16A/12B/2C/2D)



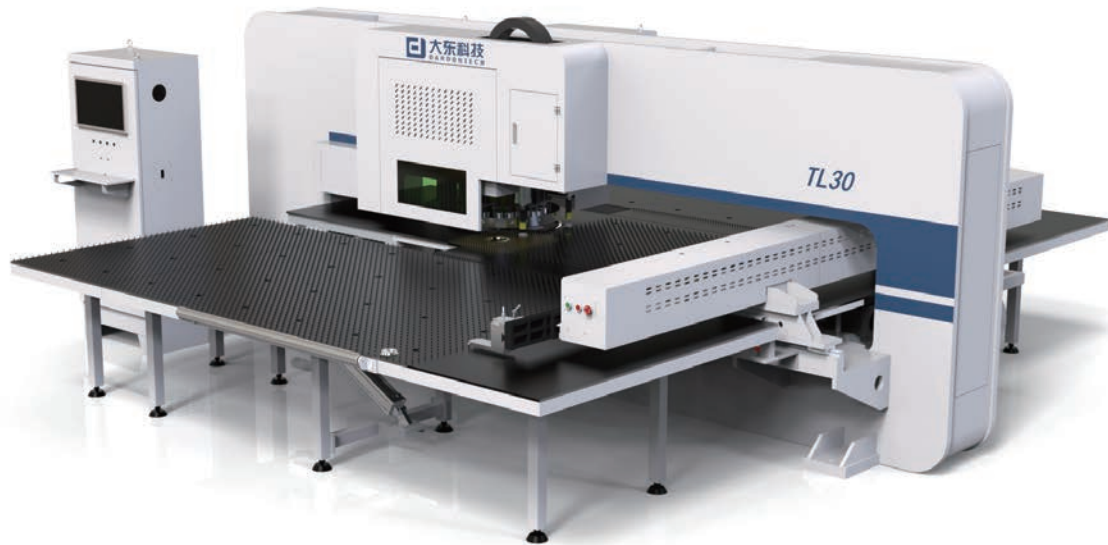
Scan the QR code to  
watch the video

## SPECIFICATIONS

Model D-T30		
Name	Specification	Unit
Press Capacity	300	KN
Hit Rate	240	hpm
Max. Sheet Size(With-one-reposition)	5000x1250	mm
Max. Diameter	Φ88.9	mm
Max. Sheet Thickness	4	mm
Punching Accuracy	± 0.1	mm
Feeding Speed	≤ 80	m/min
Tool Configuration	30	rpm
No. of Controlling Axis	3/4 (X, Y, T, C)	
Main Motor Power	5.5	KW
Air Pressure	0.55	mpa
Dimension Length	4800/5200/2300	mm



## TL SERIES HIGH SPEED MECHANICAL PUNCH & LASER COMBI

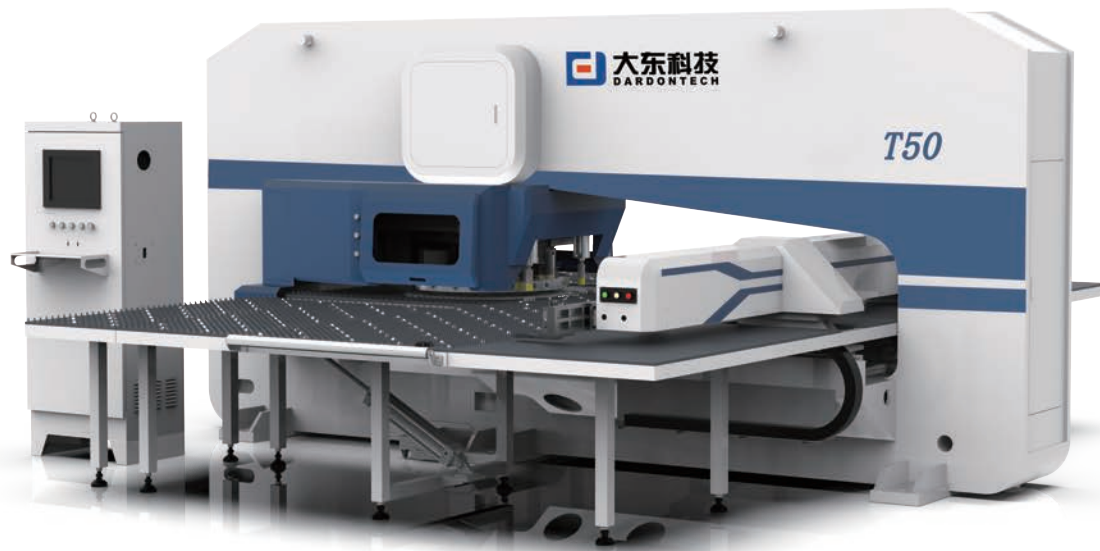


Name	Specification	Unit
Capacity	300	KN
Max. punch speed	240	hpm
Max sheet size (with one reposition)	1500x2500(punch)/2000(laser) 1250x2500(punch)/2000(laser)	mm
Max sheet thickness	4	mm
Max Diameter	Φ88.9	mm
Punching accuracy	±0.1	mm
Feeding speed	≤80	m/min
Station	16/24/32	
Turret rotating speed	30	rpm
CNC axes	4 (X、Y、T、Z)	cpm
Main motor power	5.5	KW
Air pressure	0.65	Mpa
Machine dimensions	5300x5200x2300 4800x5200x2300	mm
Number of clamps	2	Pcs
Reposition cylinder	2	Pcs
Laser power	3000/6000	W
Laser one-time processing range	2000x1500/1250	mm
laser cutting accuracy	±0.1	mm



# HEAVY DUTY SERIES

## CNC TURRET PUNCH PRESS



### Features

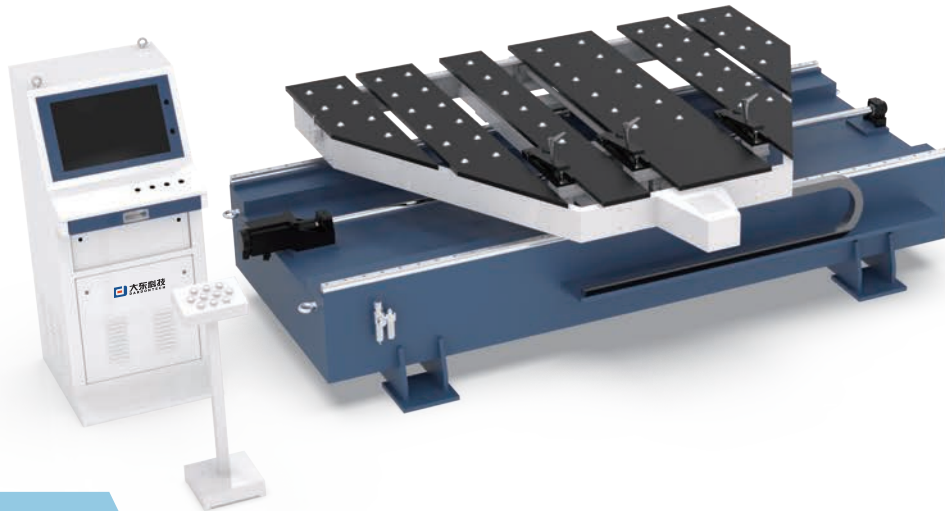
- Independent R & D control system, strong compatibility, real-time update
- Import of major components
- Customized according to different needs of medium and thick plates
- Suitable for auto parts, hardware, animal husbandry, construction machinery and other industries

### SPECIFICATIONS

Model	D-T50	D-Y80
Name	Specification	Specification
Capacity	500	800
Hit Rate	160	100
Sheet Size	2500X1250	2000X800
Max. Sheet Size (With One-reposition)	5000X1250	
Max. Sheet Thickness	≤6.35	6-15
Accuracy	±0.1	±0.15
Feeding Speed	80	60
Station	16/24/32	6-12
Air Pressure	0.65	0.65
Dimension	5000x5200x2300	4100x4000x2400



# CNC FEEDING TABLE



## Features

Ordinary deep-throat punch presses, equipped with CNC feeding, manual turret toolings or other hardware toolings, feature computer-controlled automatic feeding and automatic stamping. The entire machine is economical and practical.

## SPECIFICATIONS

Model	D-P10	D-P25	D-P30	D-P35	D-P40	D-P50
Capacity Range	63-1250	63-1250	63-1250	63-1250	63-1250	63-1250
Sheet Size( mm )	1000 x1000	2500 x1250	3000 x1250	3500 x1250	4000 x1250	5000 x1250
Processing Accuracy	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1
Feeding Speed	30	30	30	30	30	30
Fuselage	Welding					
Clamp	Automatic					
Worktable	Overall sheet metal and universal ball			Reinforcement channel		
Motor	Servo					
Screws	Steep Lead			Imported gear&rack		

