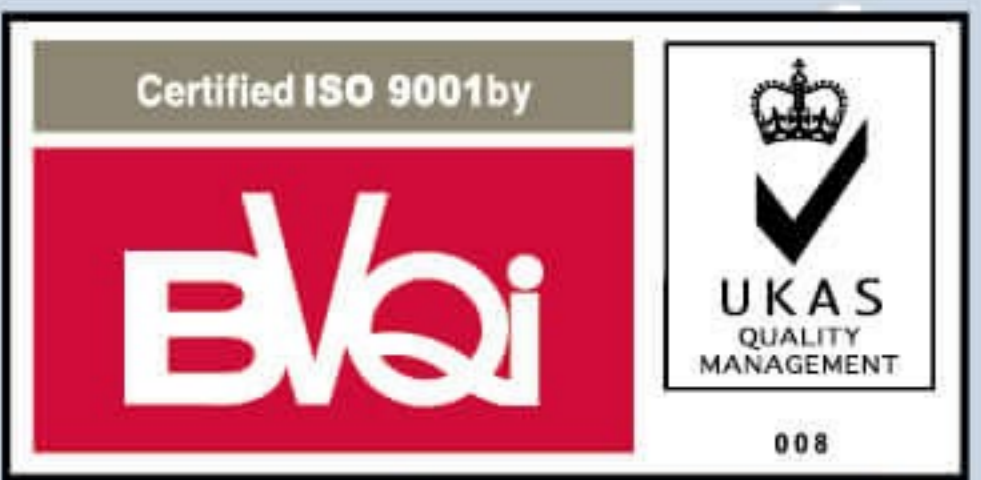


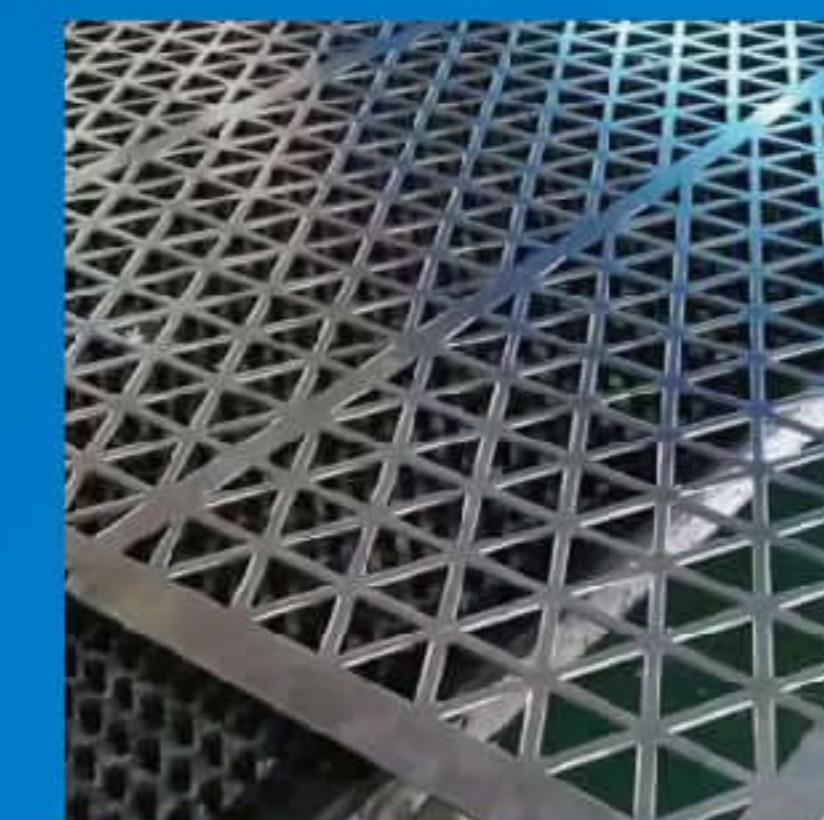
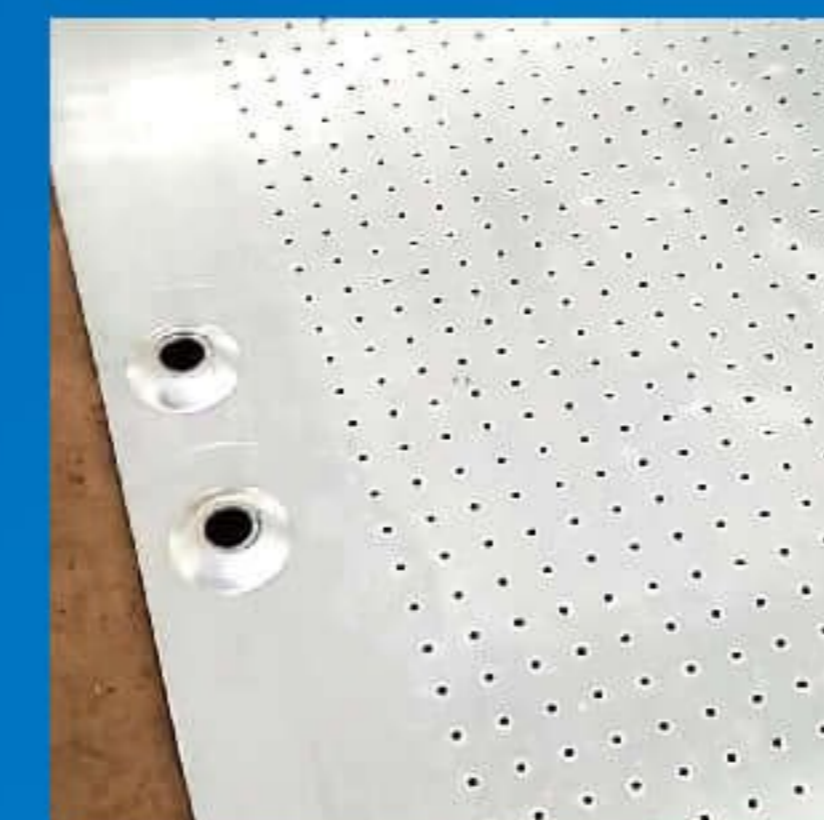
The Tailift logo is displayed in white on a blue background. It features a stylized 'T' icon followed by the word 'ailift' in a bold, sans-serif font.

MAX1250 X

Tailift satisfying your requirements in fast and accurate production.



MAX Series Punch Press Machine is the newly developed with Complex Multi Tools Auto Index Technology (CMAIT) Turret Punch Press equipped with Advanced Servo Hydraulic System (ASHS, introduced by Tailift's professional R&D and production teams who have been dedicated to machineries for decades. Our MAX Series machine provides the fast, flexible and reliable punch press satisfying your expectation of fast and precise sheet metal works!



Features

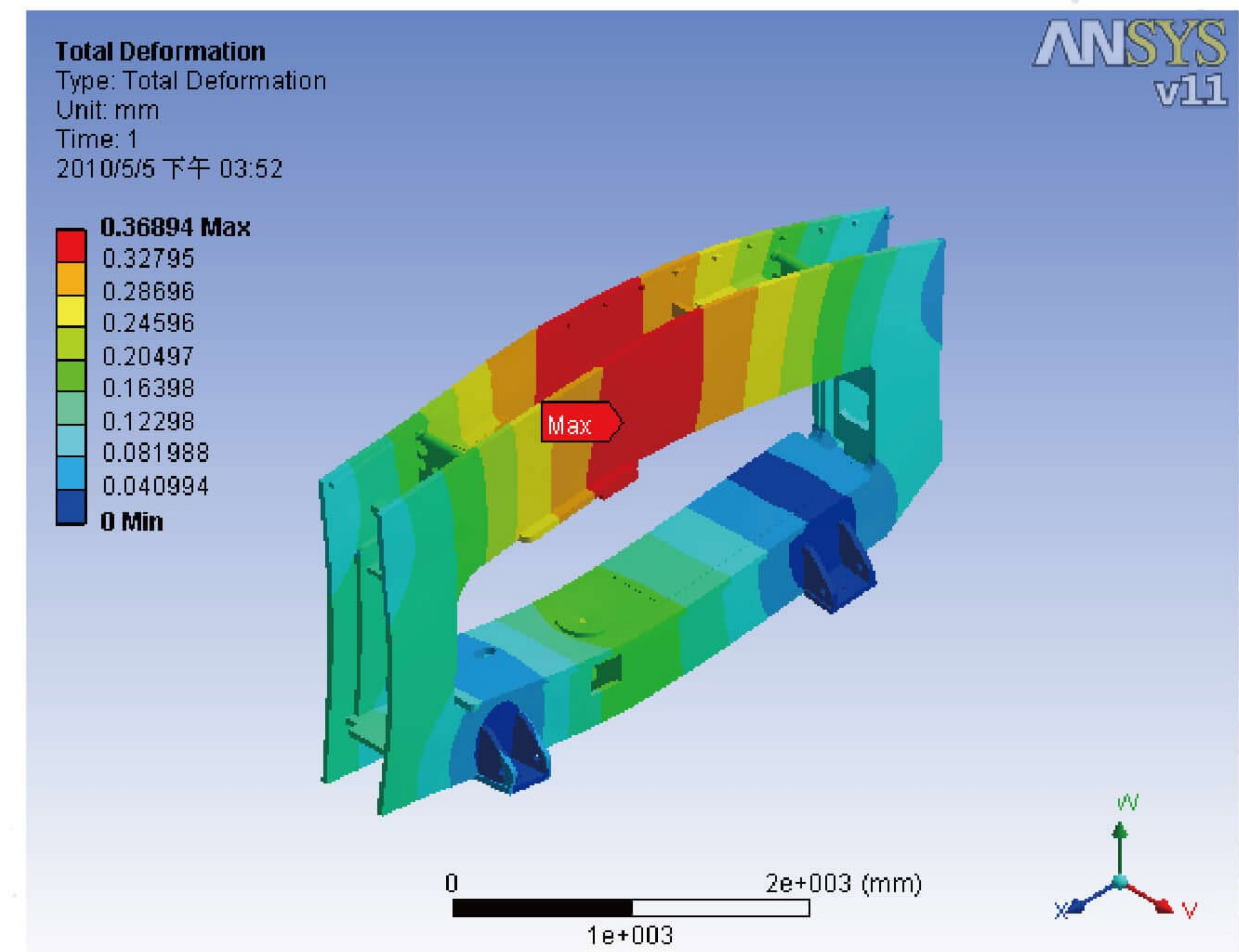
1. Controlled with advanced servo hydraulic ram, better in accuracy and operation, less noisy.
2. Auto index station controlled by dual servo motor have reduced unnecessary deviations caused by clearance in transmission resulting in better transmission positioning.
3. Thanks to multi-tool design, four D typed index station can be on request changed to twelve B type index stations or changed to thirty-two A typed index stations. The operator can almost have unlimited choices in using tooling.
4. More choices of tooling in flexible stations multiply the production flexibility. Operator have more choice freedom.

MACHINE FRAME

OPTIMUM DYNAMIC CHARACTERISTICE

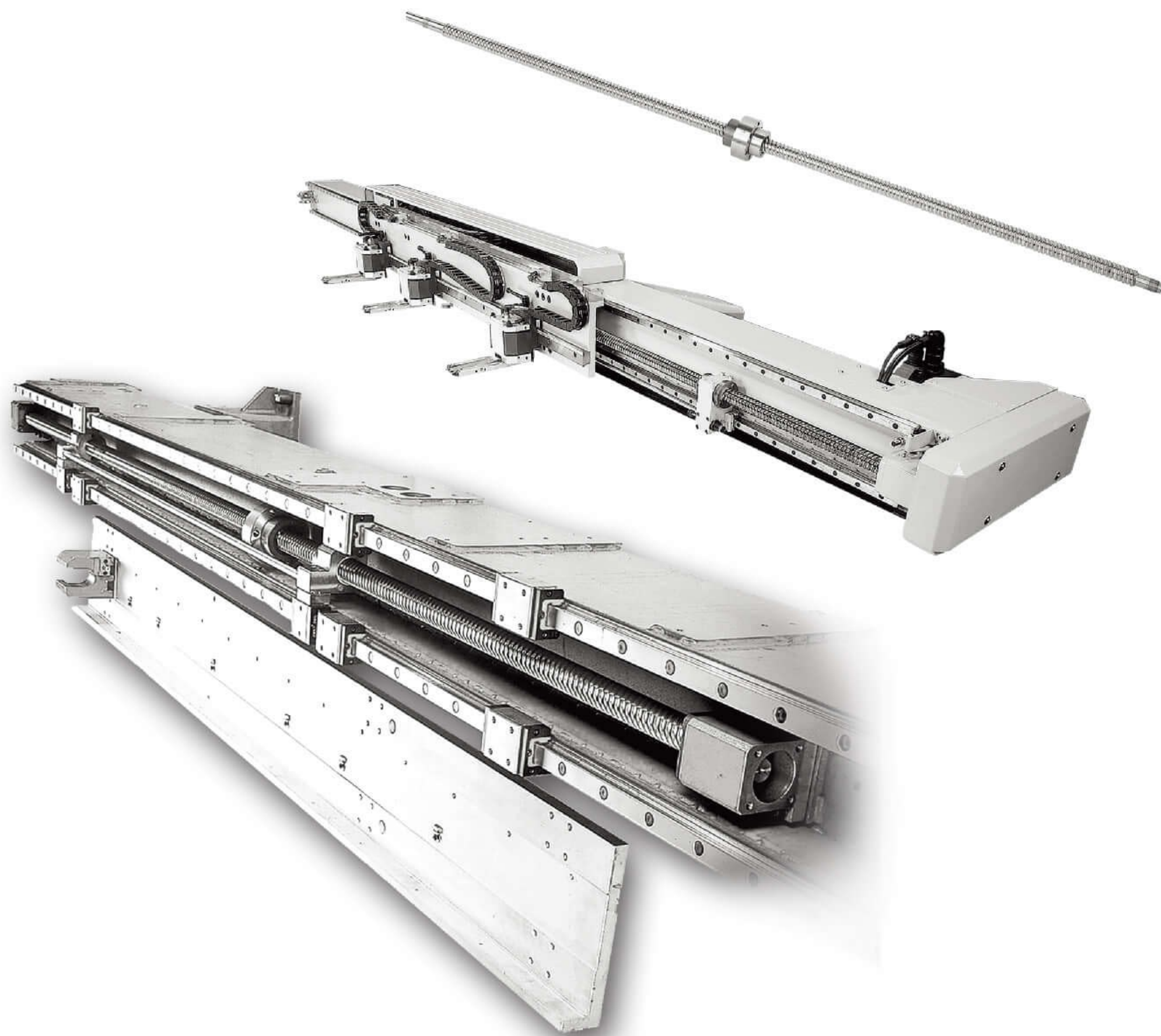
The heart of the Tailift turret Punch is its solid and closed “O” frame structure design. The whole frame is fabricated from premium steel, then through applying ANSYS and other advanced techniques to analyze the internal stress, to minimize such internal and vibration stress from heat treatment.

Consequently, distortions resulting from the punching process are greatly reduced, ensuring a consistent die clearance and long tool life.



BALL SCREW SET

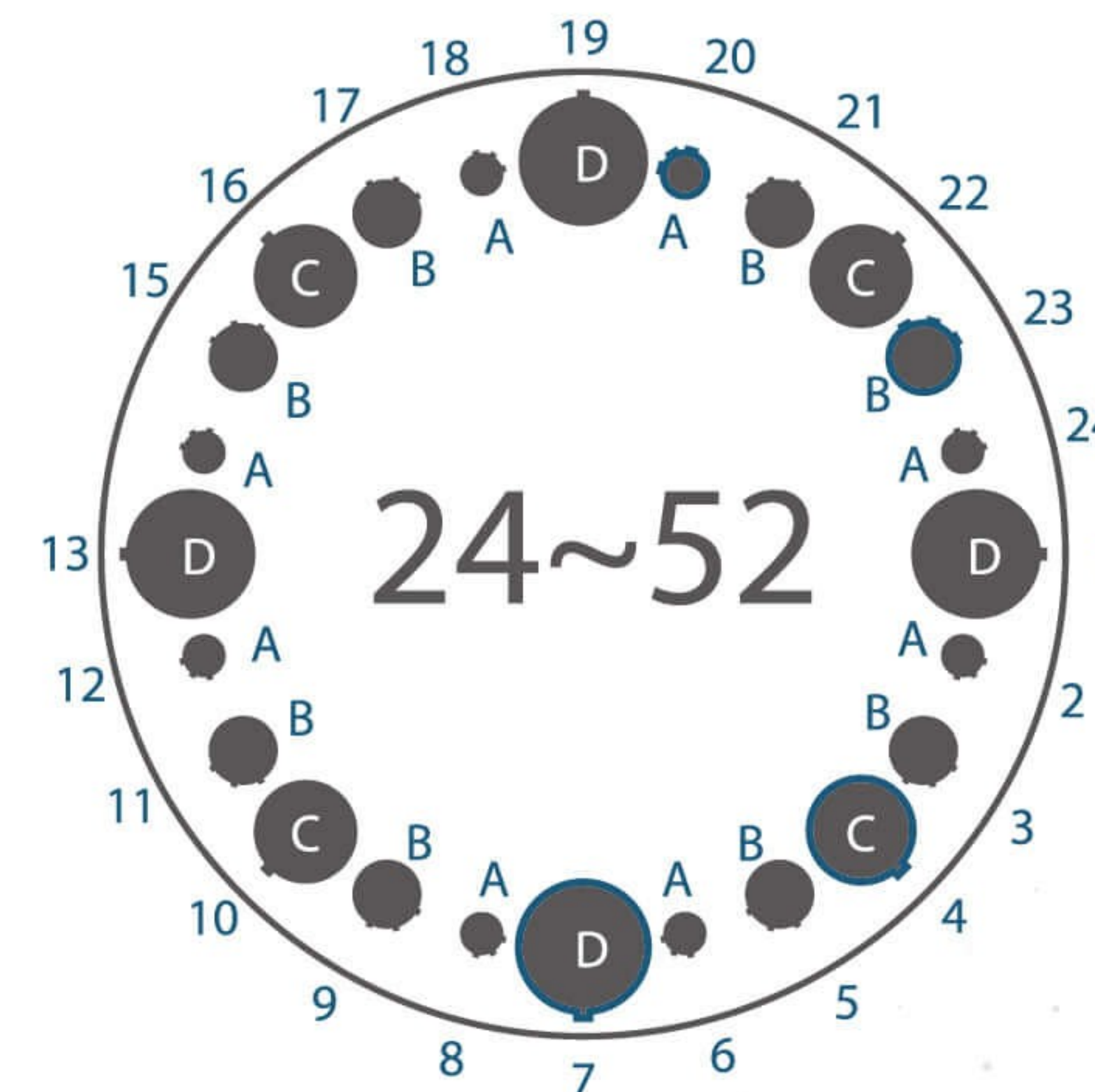
German made Star ball screw with double L.M. guides to ensure fast, precise, smooth and stable movements of the X and Y axes with high durability.



CMAIT

(Complex Multi-Tools Auto Index Technology)

- Synchronized dual servo motors for controlling the auto index functions.
- 4 D Auto Index stations for Multi Tools, either 3 B or 8 A.
- Capable of indexing each individual tool within the Multi Tool set.
- 24 various size stations including 4 Auto Index stations Multi Tools.
Therefore, a total of 24 to 52 tools can be employed.
- Capable of running wheel, marking, grooving and forming Tooling.



24T 4AI TURRET STATION

PARTS INTRODUCTION



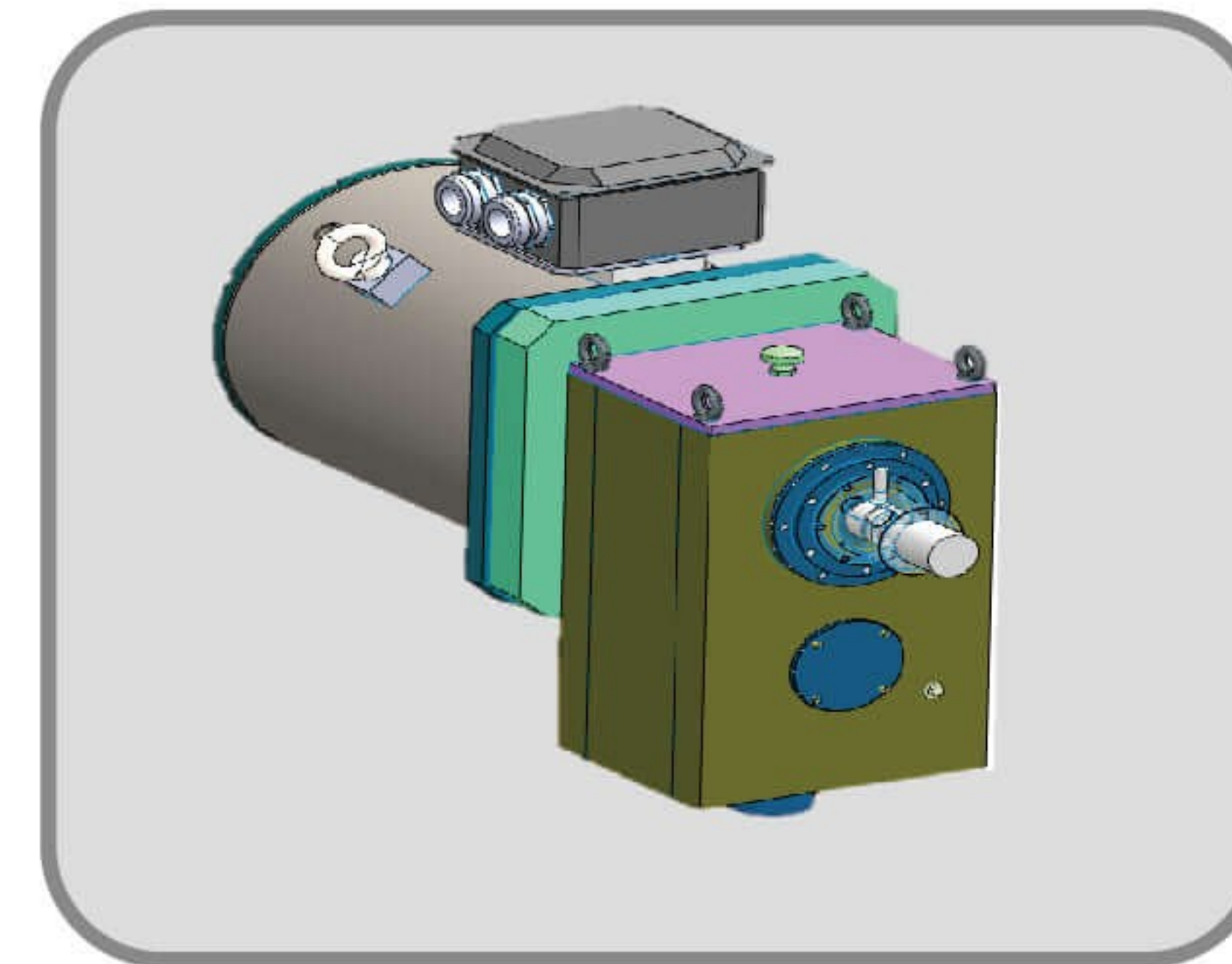
Hydraulic System

Advanced German made H+L Hydraulic System provides fast punching and high durability.
For HP series



Hydraulic Servo System

Advanced German made Schneider Hydraulic Servo System with pressure valve to precisely control the speed, volume and pressure of oil flow.
For HPS, MAX series



AC servo electric system

It uses an advanced AC servo motor, single servo with crank linkage, no flywheel energy storage, high precision and low noise environmental impact.



Anti-vibration Foot Mounts

To reduce vibration and noise, simplify installation.



Tandem Type Pneumatic Clamp

Double Tandem Type Pneumatic clamp. Maximum clipping force of each clamp can reach 230 kg.



Reposition Cylinder

To hold the metal sheet in place during the reposition process.



Movable RAM

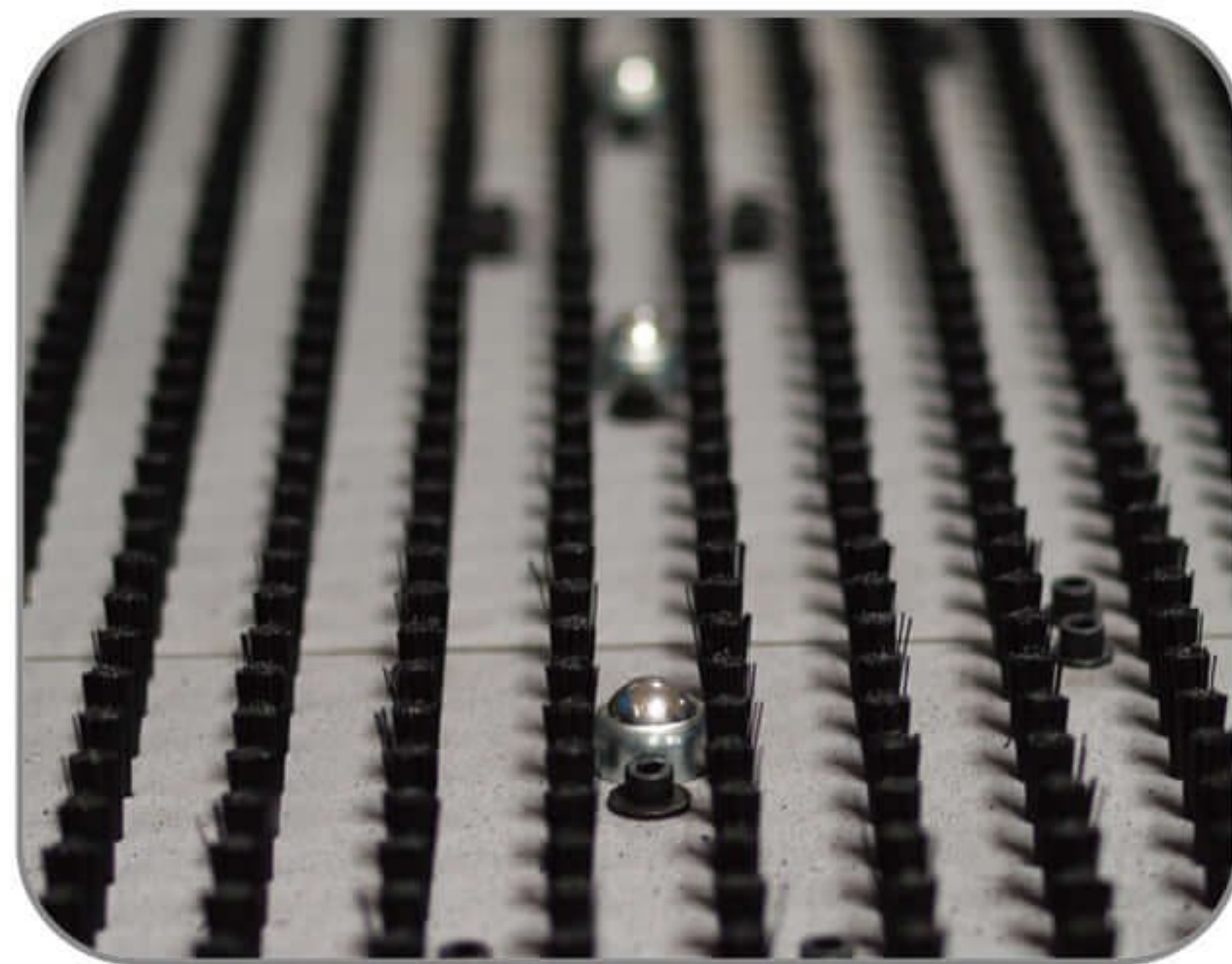
For Inner Track and Outer Track of the Turret Punching.



High Efficiency Cooling System

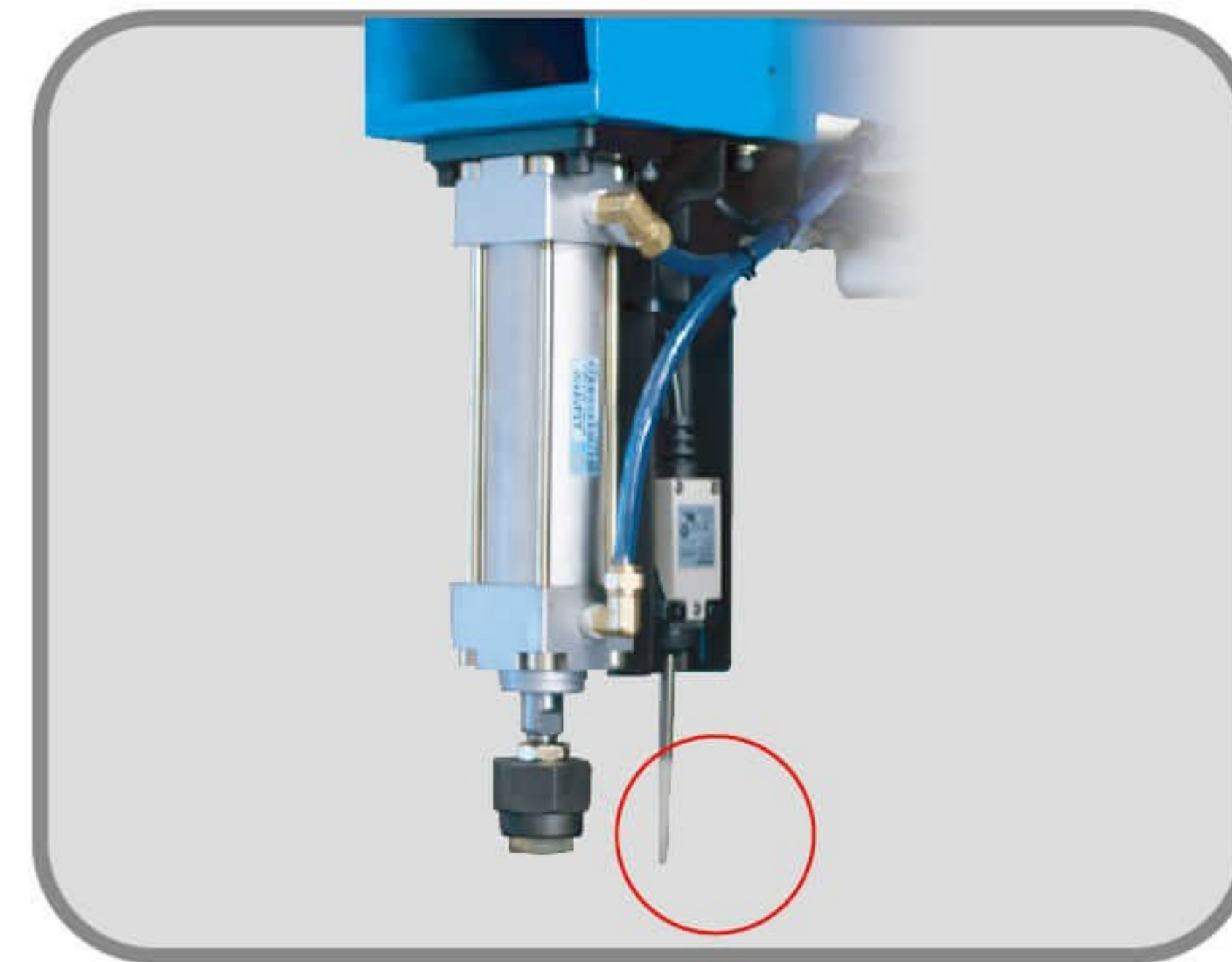
Powerful cooling system for all kind of tough working environment.

PARTS INTRODUCTION



Supporting Ball Set

Arising balls to support sheet loading.



Distortion Sensor

To detect the sheet distortion, shut down the machine to protect the turret and tools from the damage caused by distorted sheet.



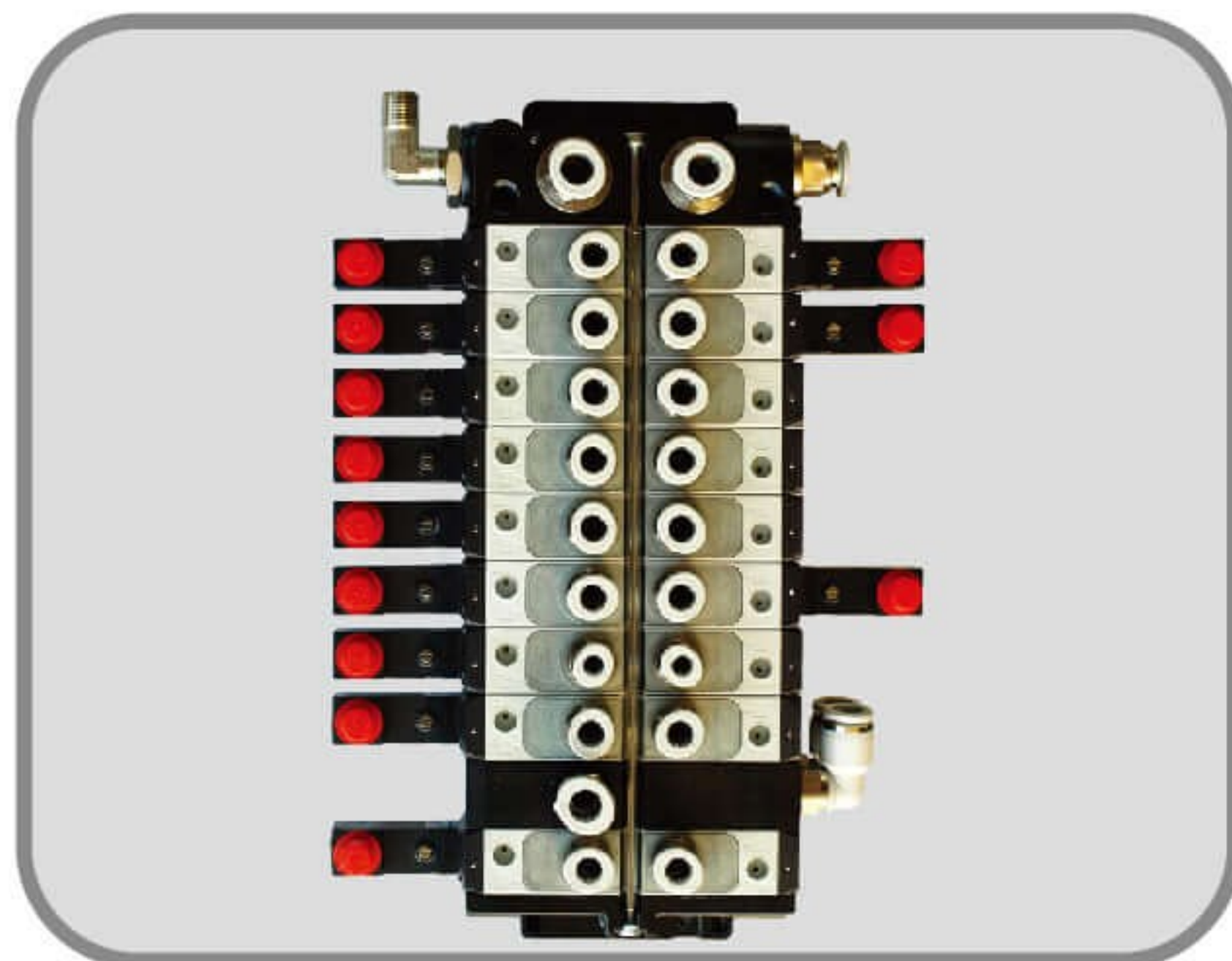
Clamp Sensor

To detect fall off metal sheet, only available for big machines.



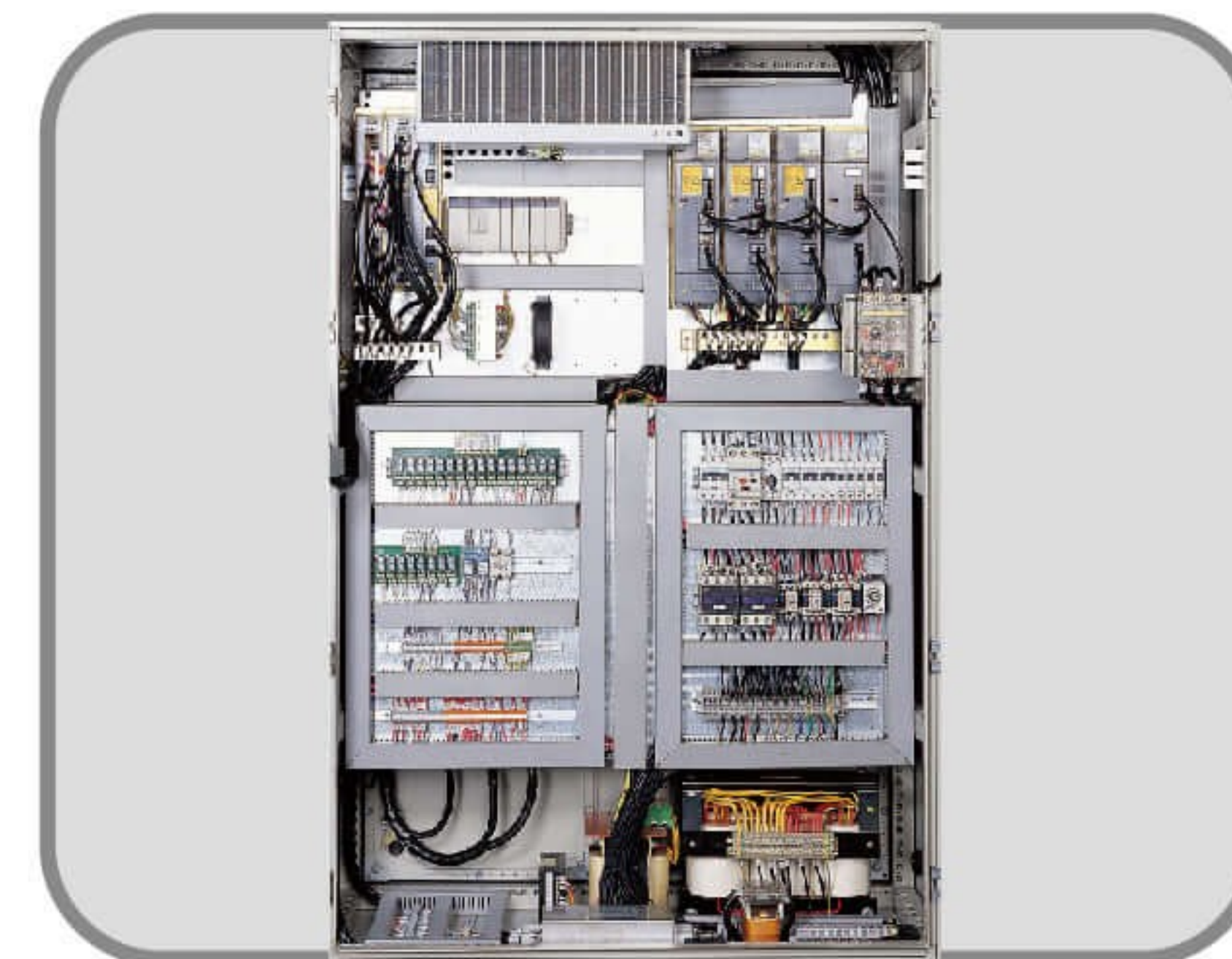
Air Blow System

Provide lubrication for tools to extend tool life.



Solenoid Valve

German made "Bosch" pneumatic solenoid valve to ensure the precise execution of all commands.



Control Cabinet

Module assembly. Fully automated equipments inspection. Not easily broken. Highly durable.



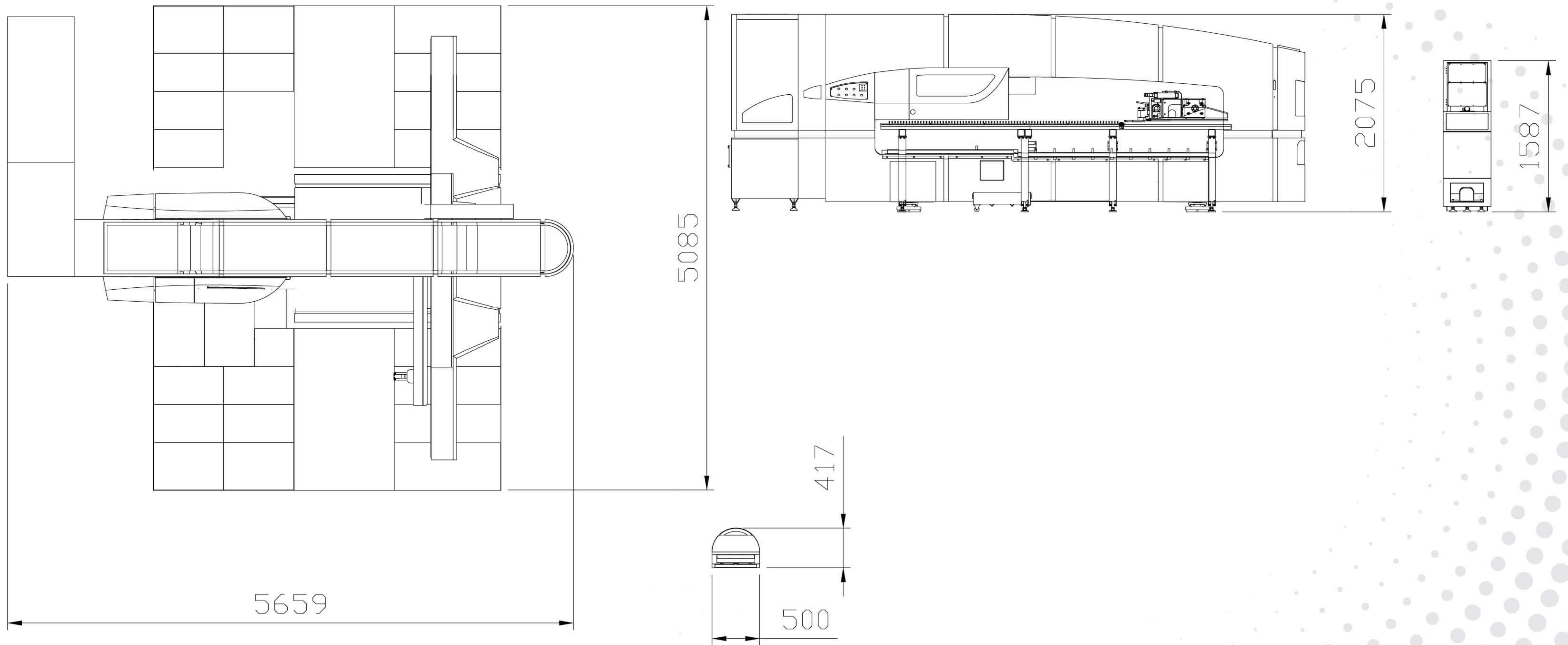
FANUC controller

The most sophisticated and advanced CNC controller in the world. With worldwide branches to provide fast and complete after sales services.

Metalix CAD/ CAM software

Supporting the entire design to production cycle. Advanced technology combines design, processing, graphic simulation and communication in one single module. Create efficient CNC programs with precision and ease.

MAX1250X FLOOR



Specifications **MAX1250X**

Item	Unit	
Punching Capacity	Ton	20
X axis Travel Length	mm	1250±10
Y axis Travel Length	mm	1250±10
Max Sheet Size	mm	1250x2500
Max Sheet Thickness	mm	6.35
Max Sheet Weight	kg	110
X Axis Traverse Speed	m/min	75
Y Axis Traverse Speed	m/min	60
Max Traverse Speed	m/min	96
Punching Speed at 25mm Pitch	hist/min	360
25mm Between Holes	hist/min	360
Nibbling Speed at 1mm pitch	hist/min	600
Tools Type		Thick turret
Max Punching Diameter	mm	88.9
Number of Tool Stations		24~52
Number of Auto Index Stations		4/(DType)
Turret Rotating Speed	rpm	30
Auto Index Rotating Speed	rpm	50

Item	Unit	
Ram Stroke Distance	mm	0~31
Working Tables Size		Brush
Number of Sheet Clamps		2
Power Supply	KVA	25
Air Supply	NL/min	250
Oil Tank Volume	L	350
Air Pressure	bar	5
Machine Size	mm	4455x2630x2100
Net Weight (apporx)	kg	13500
Size of Control Cabinet	mm	1200x600x1900
CNC Controller		FANUC Oi-PF
Number of Controllable Axes		5+1
Memory	KB	512
Serial Interface		USB/PCMCIA/RS232C/RJ45
Punching Accuracy	mm	±0.1

- Specifications are subjects to change without prior notice.
- Acceleration / deceleration rate of X / Y-axis are dependent on weight of materials.
- Punch speed depends on processing conditions, stroke length, acceleration / deceleration of axes speeds.



Founded in 1973 in Taiwan, Tailift Group's turnover is around 3 billion USD and selling machines with own brand "Tailift" worldwide. Product under Tailift brand includes material handling equipment, sheet metal machine, laser cutting and welding machine, machine tools and drilling machines. For almost 50 years' development, Tailift group is toward to a 100 years company.

Tailift group also provides profession OEM service for more than 30 years. Just like Foxconn Technology Group (whose founder is Terry Gou (Gou Tai Ming)), we are expert in OEM business. With flexible resources on production and development from China and Taiwan, Tailift group creates win-win situation with customers.

Tailift

No. 170, Chenggong 3rd Rd., NanKang, Nantou City, 540028, Taiwan (R.O.C.)

www.tailiftgroup.com E-mail:salesgroup@tailift.com.tw



SN2022.06-A