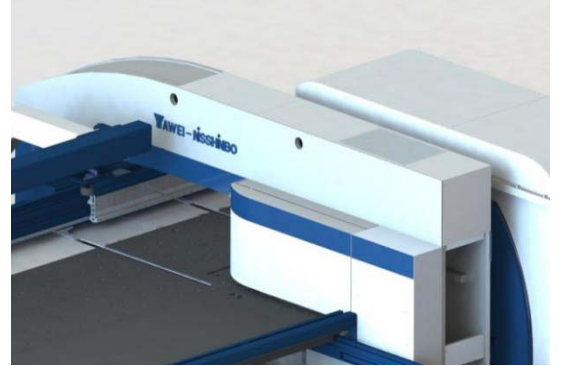
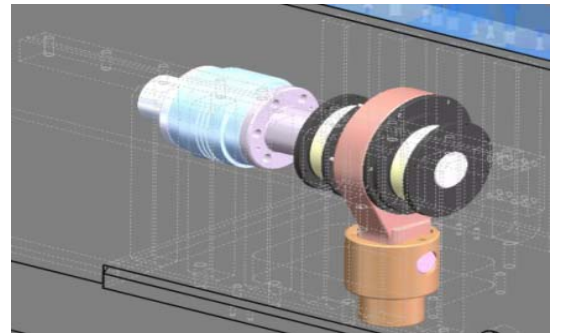


Device Structure and Technical Features

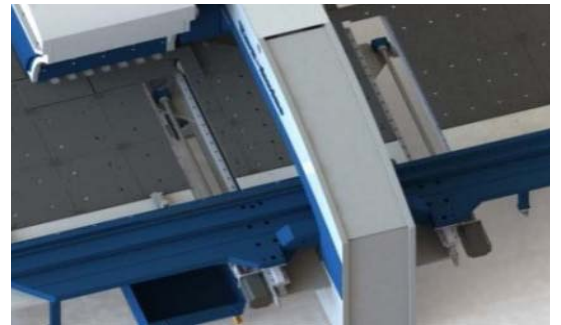
HPE-30510 servo turret punch has 33tons (300KN) of punching pressure. The closed bridge frame structure offers maximum stability with highest punching frequency.



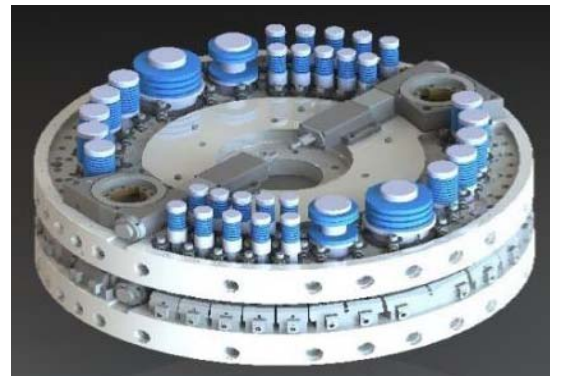
Servo Driven Ram Head HPE-30510 has highest punching frequency using low energy consumption and reduced noise.



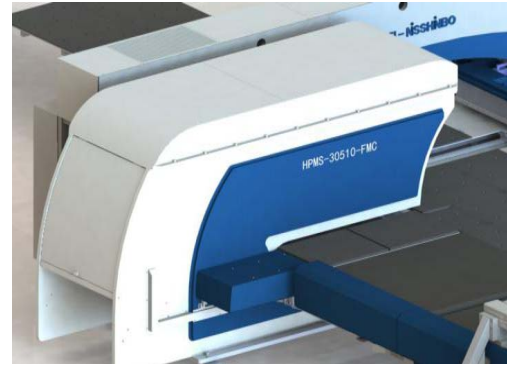
Dual Ball Screw Y-Axis and rack/pinion driving structure of X-axis provides stable and accurate positioning over a wider processing range with highest speed.



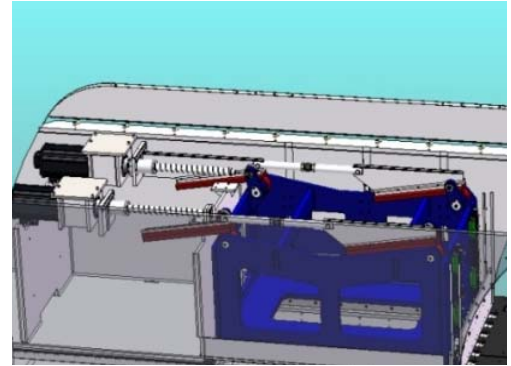
Turret Design incorporates high strength alloy casted steel, machined by precision machining center to ensure the tool alignment accuracy and high rigidity. Easy to replace bushings provides long term tool life.



Right Angle Shear Controlled by two high acceleration servo motors, the cutting beam can ensure the four point contact of work piece during shearing.



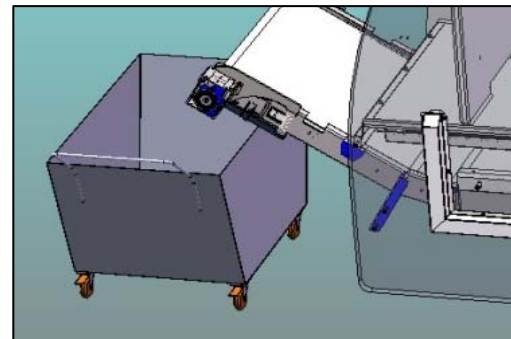
Using Four-Point Sheet technique and double ball screw design, the right angle can maintain shearing accuracy and quality during cutting.

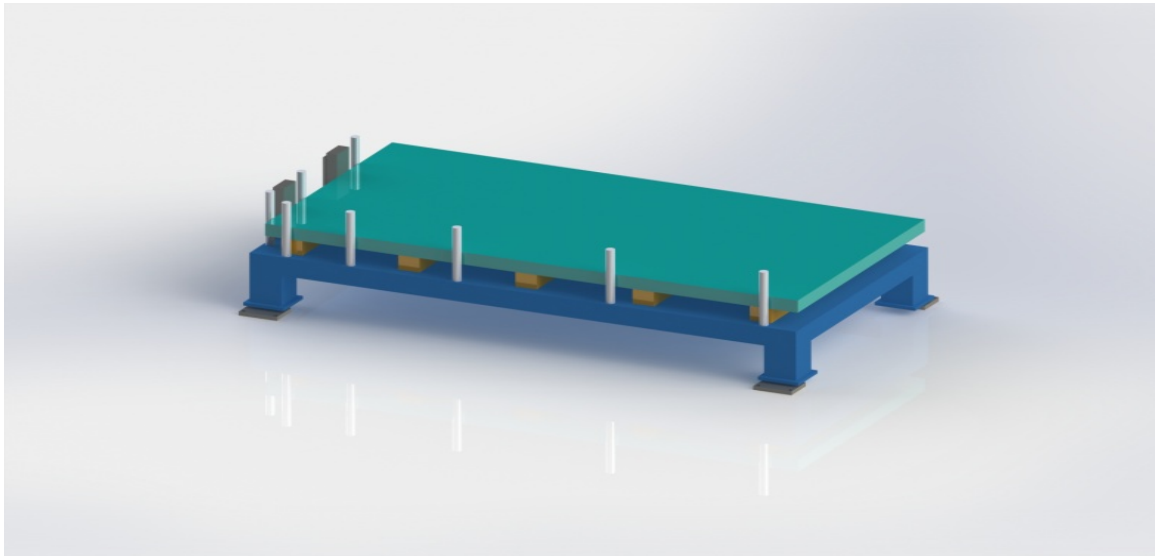


Equipped with Blade Gap automatic adjusting device, right angle shear can adjust the blade gap with servo axis (N-axis), to meet the requirement of processing of different material and thickness.



Shear Waste Discharge Device located internally, right angle shear can remove waste conveniently without interruption.





Loading Worktable-Fixed

- Storage of workpieces ready for punching
- Positioning rods in X,Y directions ensures workpiece stacking alignment
- Fine adjustment device for reposition of workpiece stacking
- Magnetic device to ensure separation of workpieces
- Moveable worktable or dual tables (option) can be used interactively to improve the processing efficiency
- Max. Stacking weight of loading worktable : 3000Kg
- Max. Stacking height of loading worktable : 200mm; Time need for each loading circle : 30s

Note:

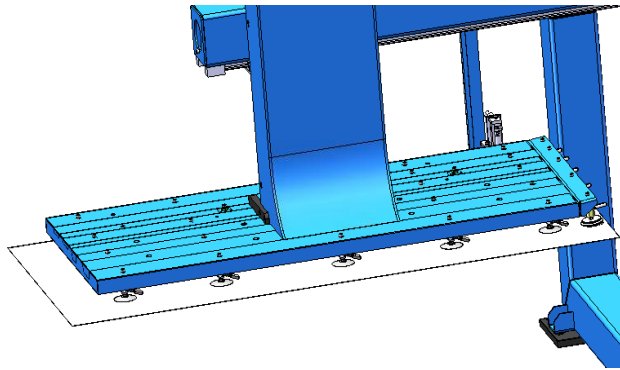
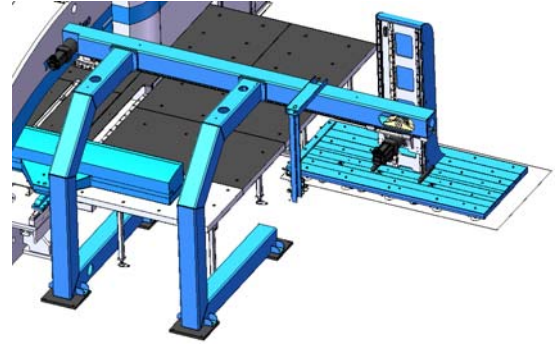
a) The worktable can handle total weight of 3000kg.

b) Magnetic layered device can separate Mild Steel, film coated, clad coated, or galvanized sheet.

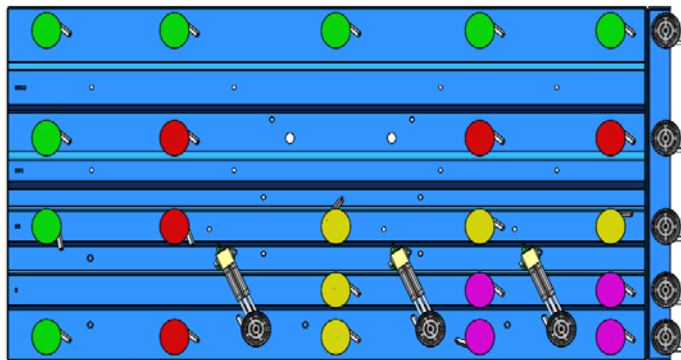
*Invalid for sheet material that can't be affected by magnetic force, such as aluminum sheet or some stainless steels.

Automatic Loading System

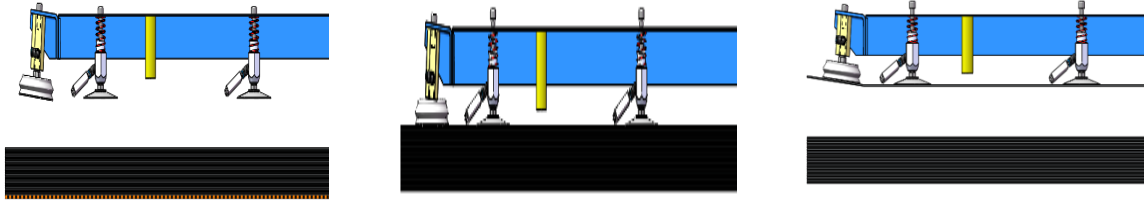
- Simulating artificial grasp motion
- C-structure design
- Reducing noise
- Edge lifting device ensures sheet separation smoothly
- Thickness proofing device
- Servo drive axis using linear guides provides high precision and accurate positioning



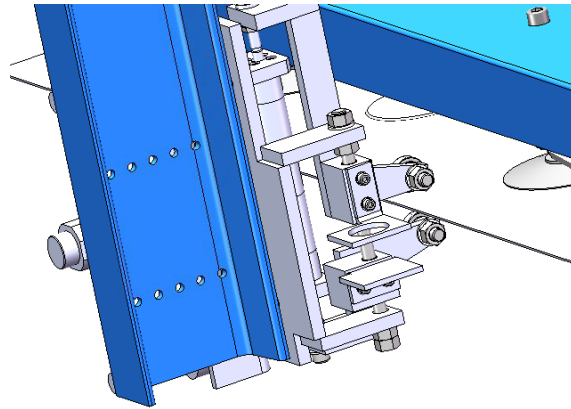
Mechanical lift with vacuum suction



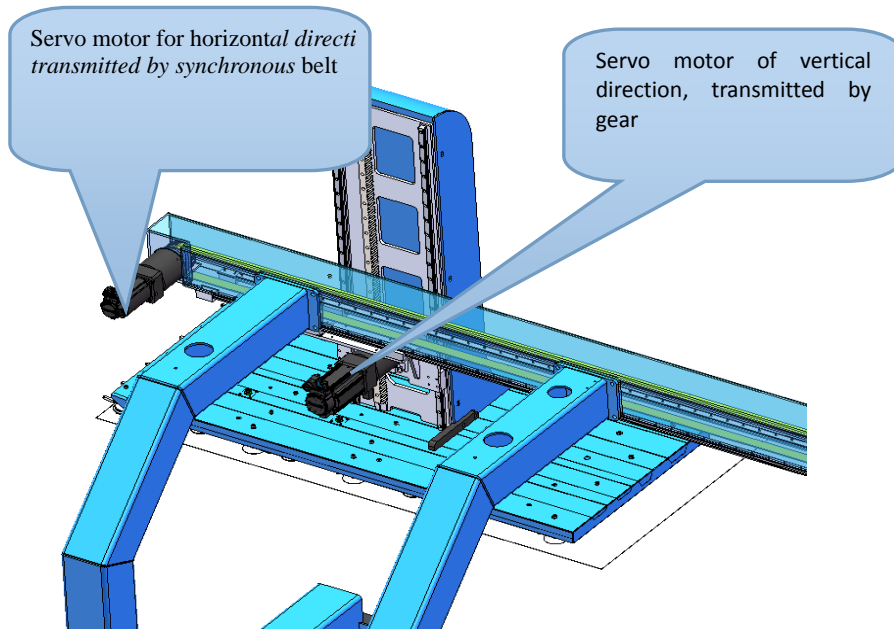
Selection of vacuum suction Pattern



Edge lifting device for sheet separation



Thickness measuring device



Servo Drive system

MLC (multi-level cell) Sorting Device This system uses conveyor belt to sort the processed workpieces. Standard configuration consists of two stations. Max size of work pieces sorted is up to 800*x1500mm. Additional stations can be added as option.

