



BUSINESS BROCHURE

Whole-Line Roll Forming & Metal /
Composite Panel Production
Solutions · Manufacturer Since 2013



BRAND CREATE FUTURE

Yida Machinery



Quality-driven wealth

Our Journey:

Our Journey: 2013 to Today

Our history is the story of a steady move “from a single machine toward the complete line” — exactly the journey we now help our customers skip by buying a finished, integrated solution from day one

2013-2015



Laying the foundation

Founded in 2013, YIDA's team are experts in cold-bending & sheet-metal machinery. We first supplied roll-forming and folding units for Fujian factories. Through on-site customer service, we tackled line jamming, panel scratches and equipment incompatibility. We learned all line components must coordinate in speed, height and control logic.

2016-2019



From machines to complete lines

We shifted from standalone machines to fully integrated turnkey production lines. We developed independent line control logic and unified mechanical interfaces. We deliver full lines including decoiler, leveling, forming, shearing and PLC control system for wall, roof and composite panels.

2020-2023



Engineering depth and patented technology

Heavy investment in R&D brought us 22 national patents. These patents solve real production challenges: smoother panel transfer, stable conveying and precise cutting. Every patent originates from practical problems on customers' production lines.

2024-Present



A whole-line partner for a wider market

Located in Quanzhou, YIDA owns assembly workshops and pre-commissioning bays. We serve domestic and growing overseas clients. Our positioning: we provide complete line solutions, not merely single machines.

YIDA — Complete Line Solutions for Metal Forming

Service areas

Polyurethane Two-Component Spray Glue Equipment/
Honeycomb Composite Plate Special Use Hot Press Plate Equipment/
Adjustable Roll-Press Corner Forming Machine

To Provide First-class Equipment and Service for Customer

To provide scientific configuration base on technology is the precondition.

"Never cheat in work and cut down on materials " and never damage to the interests of customers,

we provide the product and service base on the customer's demand and safety.

Exceed the customer's expectation

Integrity of business ethics as the foundation of enterprise, we will show our integrity and honest to sever every customer

The Exclusive technology which designed for customers, we will keep secret,

In order to ensure that technology competitive advantage within their respective industries

Always care about the interests of partners

The Eternal Faith of Yida:

Devote to Meeting customers'demand and

Exceeding the customers'expectation.

As a rising star in the field of Industrial Building Composite Plate Spray Glue Equipment and Sprinkling Glue Equipment, Adjustable Roll-Press Corner Forming Machine. We always grasp the development trend of the world's advanced technology, devote promoting the level of productivity and studying the integration of mechanical, to create more value for customer. Our employees and our suppliers work together to provide a variety of different demand of spray glue and Sprinkling Glue Equipment and full technical solutions for the customer which from different filed .

To accumulate technology and experience in different fields. We learn from each other in mutual emulation in our technical information database, in a new field and the application of new technology research and development, in our technical information database, and strive to exceed customer expectations

Since we found our company, we already provided advanced spray glue and Sprinkling Glue Equipment, and full technical solutions to many countries and and keep a good relationship with customers.

We always implement the service concept that customer is partner, while we provide the service, partners also give us a lot of modified suggestion. Not only many technological innovations, human design, product optimization and other inspiration, but also from the bottlenecks emerged of partners in the actual production process.

Yida Machinery-Quality-driven wealth



Polyurethane Two-Component Spray Glue Equipment/

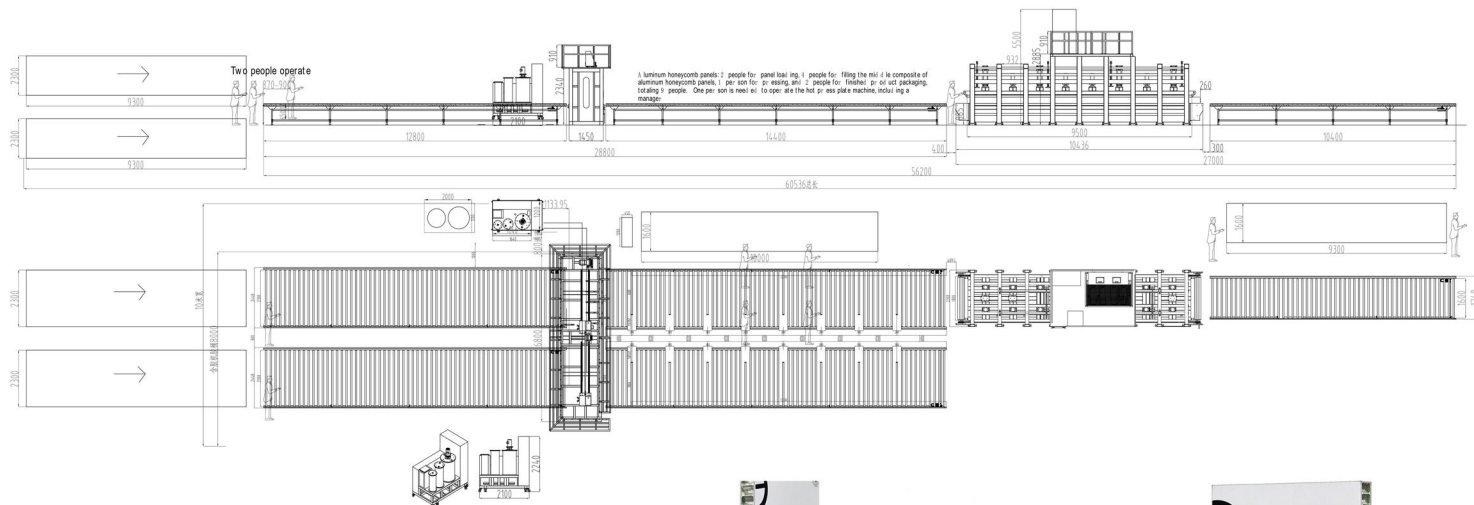
Honeycomb Composite Plate Special Use Hot Press Plate Equipment/

Adjustable Roll-Press Corner Forming Machine



YD-AB-W1600-2

Polyurethane Two-Component AB Glue Spray Glue Equipment (Double Line)



Machine Features:

1. Application: MPF aluminum plate, XPS color steel plate, aluminum honeycomb / corrugated plate,

minera wool insulation plate, stone honeycomb plate, Paper honeycomb plate,

Plastic honeycomb plate,wood furniture board, doors composite boards, wood floor and other various plate or board.
2. Apply to glue medium: modified polyurethane adhesive glue one component heat solidification

reaction type polyurethane glue,two component (AB) reaction polyurethane glue.
3. Gluing Method: Non contact atomized spray or sprinkle (The whole Seal collection of spraying glue atomization spray room)
4. Glue barrel storage capacity 100KG, curing agent barrel 50KG,cleaing agent barrels 25KG (or optional circulating cleaning agent)
5. Full servo control glue spraying system, operation is simple and quick.Glue pump servo drive,

Quantity of glue spraying is precise, glues praying is well-distributed. Automatic control ing by one button start.
6. Glue gun cleaning: Automatic cleaning glue gun (or optional circulating cleaning agent, saving production cost)
7. We are the pioneer to R&D manufacturing Two component polyurethane Spray Glue Machine,
- and offer a variety of advanced Glue Spraying Equipment and Glue Sprinkling Equipment otherwise also provide technology solutions
- and service to keep good relationship with customers.

Main Technical Data sheet

Model	YD-AB-W2300-2
Application	Flatsprayingofmetalsheets
ProductionLine	Doublelinespraying/dripping
PowerVoltage	AC triphase 380V50/60Hz/AC3-phase380V 50/60Hz
Rated Power	20KW
pneumatic pressur	0.6 ~ 0.7Mpa Supplied by customer
Max Press Dimension	Max L9000X W2300 X H240mm (L x W x H)
Max Width of Spraying Booth	<=2350mm (W)
Feed-in Speed of Roller table	1 ~ 20m/min
Glue drum for glue sedimentation	With Stirring
Glue Thermostat	40 ~ 60℃
Glue Spraying lineOuter Dimension	29000 X 9000 X4000mm (L x W x H)
Machine Weight	≈18000 kg



YD-L12500

Industrial Building Honeycomb Composite Plate Special Hot Press Equipment



Main Technical Data sheet

Model	YD-L12500
Scope	Surface Press for Composite Plate
Working Layer	Single Layer
Supply Voltage	AC 380V 50/60Hz
Total Power	90 ~ 150 kW
Air Pressure	0.4 ~ 0.6 MPa (Provided by Customer)
Heating Plate Lift / Close Speed	10 ~ 15 mm/s
Belt Drive Speed	5 ~ 20 m/min
Hot Pressing Plate Open Distance	240 mm
Maximum Hydraulic Pressure	20 ~ 300 T
Pressure & Lifting Oil Cylinder Quantity	22 pcs, 5 pcs
Hot Pressing Plate Working Temperature	50 ~ 80 ℃
Heating Method & Medium	Electric Heating, Thermal Oil
Effective Working Table Size	12500 × 1600 × 240 mm (L × W × H)
Overall Machine Dimension	13500 × 2300 × 5000 mm (L × W × H)
Net Machine Weight	55000 kg



Machine Features:

1. Automatic single-belt thermal oil recycling hot press. Suitable for aluminum honeycomb panels, corrugated boards, paper honeycomb panels, plastic honeycomb panels, furniture wood panels, mineral wool insulation boards and other types of composite panels.

2. Pressure plate dimension: 12500 × 1600 × 200 mm (L × W × H)

3. Vertical & horizontal surface flatness of plate: 20 – 30 μm.

It is the longest and widest single-layer surface hot press machine available in China.

4. Drive system: The upper belt is made of high-performance Teflon material, featuring fast heat transfer, non-stick property and lightweight.

The conveyor belt is motor-driven with variable frequency speed regulation, which can synchronously control the conveyor position and belt tension.

5. The machine is composed of the press main body, hydraulic system, transmission parts, control unit, heating system and electric heating assembly.



Main Technical Data sheet

Model	YD-AB-W1600-1
Scope	Glue Spraying for Metal Composite Plate
Production Line	Single Line Glue Spraying
Supply Voltage	AC 380V 50/60Hz
Total Power	13 kW
Air Pressure	0.4 ~ 0.6 MPa (Provided by Customer)
Composite Plate Specification	12500 × 1600 × 200 mm (L × W × H)
Glue Coating Weight	50 ~ 400 g/m ²
Production Speed	200 ~ 250 m ² /h (Continuous Production)
Spray Gun Traverse Speed	70 m/min
Conveyor Speed	2.5 ~ 20 m/min
Glue Barrel Type	With Blending / Stirring
Glue Constant Temperature	20 ~ 60 °C
Overall Machine Dimension	27000 × 5500 × 3500 mm (L × W × H)
Net Machine Weight	15000 kg

YD-AB-W1600-1

Polyurethane Two-component AB Glue Spraying Equipment (Single Line)

Machine Features:

- 1.Application: Suitable for MPF aluminum plates, XPS color steel plates, aluminum honeycomb/corrugated plates, mineral wool insulation boards, stone honeycomb panels, paper honeycomb panels, plastic honeycomb panels, wood furniture boards, door composite panels, wood flooring and other various sheet materials.
- 2.Applicable glue medium: modified polyurethane adhesive, one-component thermosetting reactive polyurethane glue, two-component (AB) reactive polyurethane glue.
- 3.Gluing Method: Non-contact atomized spraying (with a fully enclosed collection chamber for glue mist).
- 4.Storage capacity: 100KG glue barrel, 50KG curing agent barrel, 25KG cleaning agent barrel (circulating cleaning agent is optional).
- 5.Full servo-controlled glue spraying system for simple and fast operation.
Servo-driven glue pump delivers precise and evenly distributed glue output.One-touch automatic start.
- 6.Glue gun cleaning: Automatic gun cleaning (circulating cleaning agent optional to reduce production costs).
- 7.We are a pioneer in R&D and manufacturing of t wo-component polyurethane spray glue machines.
We supply a wide range of advanced glue spraying & sprinkling equipment, and provide technical solutions and after-sales services to maintain long-term partnerships with customers.



Main Technical Data sheet

Model	YD-AB-W100
Scope	Comb-type Sprinkling Glue or Single-line Glue for Metal Plate
Production Line	Single-line Sprinkling Glue Machine
Supply Voltage	AC 380V 50/60Hz
Total Power	4 kW
Air Pressure	0.4 ~ 0.6 MPa (Provided by Customer)
Composite Plate Specification	6000 × 1200 × 200 mm (L × W × H)
Glue Coating Weight	50 ~ 400 g/m ²
Production Speed	80 ~ 160 m ² /h (Continuous Production)
Sprinkling Head Traverse Speed	70 m/min
Conveyor Speed	2.5 ~ 15 m/min
Glue Barrel Type	With Blending / Stirring
Glue Constant Temperature	20 ~ 60 °C
Overall Machine Dimension	12000 × 3500 × 1800 mm (L × W × H)
Net Machine Weight	Approx. 7000 kg

YD-AB-W100

Polyurethane Two-component AB glue
Sprinkling Glue Equipment

Machine Features:

- 1. Application: MPF aluminum plate, XPS color steel plate, aluminum honeycomb / corrugated plate, mineral wool insulation plate, stone honeycomb plate, Paper honeycomb plate, Plastic honeycomb plate, wood furniture board, doors composite boards, wood floor and other various plate or board.
- 2. Apply to glue medium: modified polyurethane adhesive glue, one-component heat solidification reaction type polyurethane glue, two-component (AB) reaction polyurethane glue.
- 3. Gluing Method: Non-contact pectination sprinkling glue(130mm width) Or single line glue (scratch by hand)
- 4. Glue barrel storage capacity 100KG, curing agent barrel 50KG, cleaning agent barrels 25KG (or optional circulating cleaning agent).
- 5. Full servo control glue spraying system, operation is simple and quick. Glue pump servo drive, Quantity of glue spraying is precise, glue spraying is well-distributed. Automatic controlling by one button start.
- 6. Glue gun cleaning: Automatic cleaning glue gun (or optional circulating cleaning agent, saving production cost)
- 7. We are the pioneer to R&D manufacturing Two-component polyurethane Spray Glue Machine, and offer a variety of advanced Glue Spraying Equipment and Glue Sprinkling Equipment, otherwise we also provide technology solutions and service to keep good relationship with customers.



YD-CJ-100

Polyurethane A glue Blending Machine

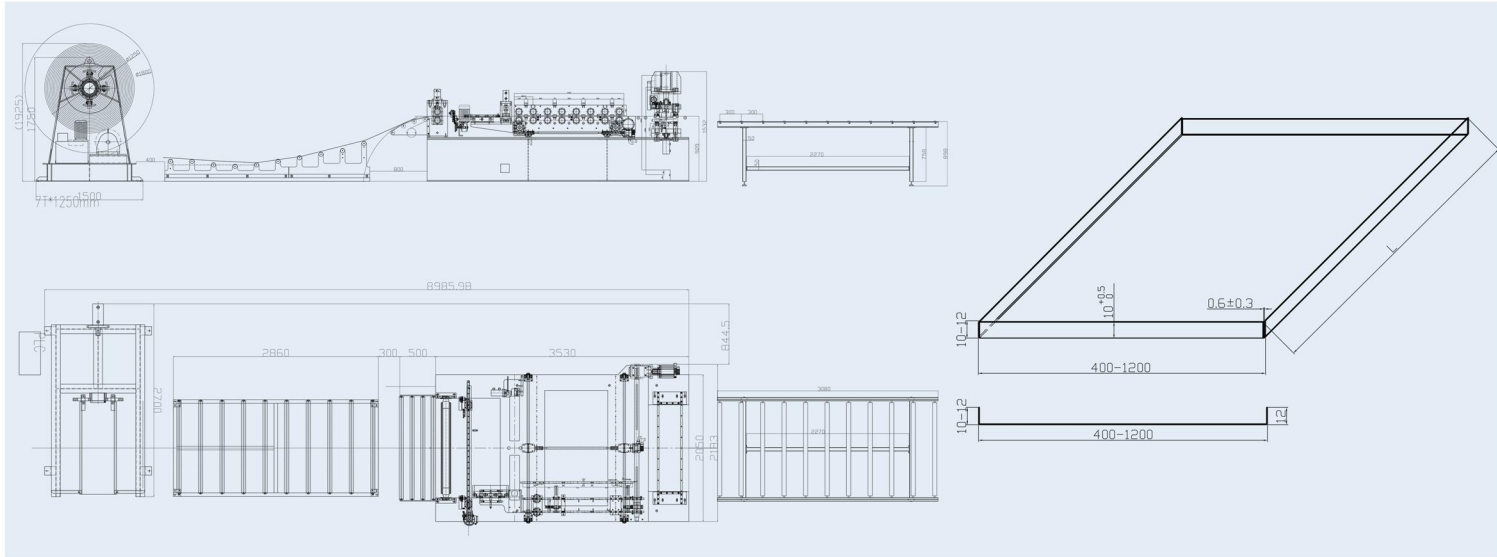
Machine Features:

- 1. Apply to the glue medium precipitate blending: modified polyurethane adhesives for single component heating solidification reaction type polyurethane glue, two component (A, B) reaction type polyurethane glue; medium precipitate blending. well-distributed blending make the glue with good fluidity, performance is good.
- 2. Blending way: helix blade blending in the barrel.
- 3. Changing barrel way: double cylinder automatic lifting controlling.

Main Technical Data sheet

Model	YD-CJ-100
Scope	55 Gallon Barrel Glue Medium Precipitate Blending
Supply Voltage	380V 50/60Hz
Total Power	400 W
Air Pressure	0.4 ~ 0.6 MPa (Provided by Customer)
Blending Speed	48 rpm
Cylinder Lifting Height	1190 mm (H)
Glue Barrel Dimension	890 × 570 mm (H × D)
Overall Machine Dimension	1100 × 800 × 1400 mm (L × W × H)
Net Machine Weight	300 kg

Adjustable Roll-Press Corner Forming Machine



Finished product display



Main Technical Data sheet

Model	YD-QC-W1200-8#
Scope	Roll—press Corner Forming of Metal Composite Panels
Applicable Steel Sheets	Painted Sheets, Stainless Steel Sheets
Applicable Sheet Thickness	Painted Sheet: 0.4 – 0.6 mm; Stainless Steel Sheet: 0.4 – 0.6 mm; Factory Trial Standard: 0.5 mm
Adjustable Roller Width	Both Sides of Rollers Open/Close Simultaneously During Adjustment
Adjustable Roller Corner—forming Width Range	400 mm – 1200 mm
Adjustable Roller Corner—forming Length Range	200 mm – 20,000 mm (Maximum Length < 65 m)
Outer Arc Radius	R1.2 – R1.5 for 0.5 mm Sheet Thickness (Adjustable)
Flange Height	Short Edge: 11 mm; Long Edge: 8 – 13 mm
Maximum Outer Diameter of Coil Reel	1400 mm
Maximum Width of Coil Reel	1260 mm
Coil Reel Blade Opening/Closing Diameter	480 – 538 mm
Forming Speed	2 – 25 m/min
Forming Speed (Length 570 mm)	3,500 – 4,000 Pieces in 11 Hours
Forming Spindle Drive	Servo Motor (Power 5.5 kW)
Forming Roller Drive Method	Full Gear Drive Throughout the Machine
Cross—shear Cutting Drive Method	Taiwan HIWIN Linear Guide + Chain Drive
Steel Sheet Film Lamination, Pressing & Leveling	Silicone Roller + Adjustable Pressure
Number of Forming Stages	8-stage Die Set
Die Material	DC53, Heat-treated to HRC 58 – 60
Roller Material	Cr12MOV, Diameter 125 mm, Heat—treated
Forming Length Calculation / Method	Automatic Length Calculation / Program—based Segmented Fixed—length
Bending Angle	88 – 90° , Adjustable; Angle Tolerance: Approx. ±0.5°
Forming Length (L) Tolerance	±0.3 mm
Forming Width (W) Tolerance	±0.2 mm
Forming Diagonal Tolerance	±0.4 – 0.5 mm
Shear Length Tolerance / Adjacent Notch Tolerance	±0.2 mm
Hydraulic Corner Punching	Automatically Adjusts with Main Machine Width; Fine Adjustment Also Available
Hydraulic Forming Shear + Bending Mechanism	Shearing Method: Blanking Shear
Pre—forming Slitting	Single Roller Knife Slitting; Slitting Width: 2 – 50 mm (Per Strip); Servo Motor Slitting Rewinding
Slitting	Stable Tension Ensures No Deviation During Slitting
Length Measurement Method / Encoder	Roller Contact with Panel Surface / Omron
Forming Length Error	Correction Value (Compensation Required for Lengths Over 10 m)
Film Lamination (Panel Surface Protective Film)	Automatic Film Flattening and Lamination, Bubble—free
Film Core Tensioning / Releasing Device	Pneumatic Expansion Shaft Opening/Closing, Quick Positioning/Reloading
Roller—type Arc Support Bracket	Bracket Length: 3 m
Linear Guide	Taiwan HIWIN
Control System and Touch Screen	Mitsubishi PLC / Mitsubishi Touch Screen
Forming Width Adjustment	Mitsubishi Servo Motor
Forming Main Drive	Domestic First—tier Brand Xinje Servo
Reducer	Domestic First—tier Brand Qiangzhu / Suboleier
Hydraulic System Components – Solenoid Valve	Taiwan CML; Hydraulic Pump Power: 11 kW (Taiwan Motor)
Hydraulic Cylinder	Yida Manufactured / Japan NOK Seal Kit
Anti—wear Hydraulic Oil	Great Wall L—HM46 or Equivalent Higher Grade
Bearings	Wafangdian Bearings Throughout
Slitting Knife Adjustable Stroke Range (High—config.)	One Set of Roller Cutting Knives, Adjustable Position 0 – 1250 mm; Upper Knife Can Be Manually Lifted 30 mm When Not in Use; One Set of Servo Tension Rewinding Device (Rewinding Disc 280 mm)
Supply Voltage	AC Three-phase 380 V, 50/60 Hz
Total Power	18 kW
Air Pressure	0.6 – 0.7 MPa (Customer-provided)
Machine Size	9000 × 3050 × 1700 mm (L × W × H)
Forming Machine Weight	Approx. 8500 kg

Machine Features:

- 1.Application: Rapid roll-press corner forming of honeycomb panels, color-coated steel panels, and mineral wool insulation panels.
- 2.Applicable steel sheets: Painted sheets and stainless steel sheets. When stainless steel sheets are used, the cutting, corner-punching, and corner-bending dies are subject to relatively rapid wear. For stainless steel, a thickness of 0.5 mm or less is recommended; 0.6 mm stainless steel is less ideal due to faster die wear. For continuous cutting, it is recommended to frequently apply special die lubricating grease to the die cutting edges.
- 3.Applicable steel sheet thickness: 0.4 mm – 0.6 mm (capable of forming, cutting, corner notching, and head/tail corner bending)
- 4.Flat-sheet cutting device: Program switching; normal shear-bending mode or flat-shear (no bending) mode.
- 5.Post-forming cutting device: Automatically cuts the formed panel to a fixed length.
- 6.All cutting actions: The main drive automatically stops or remains in a stopped state during cutting, corner notching, and head/tail corner bending. Upon completion of cutting, the main drive automatically resumes or stops according to the program
- 7.Forming workflow: Film unwinding and lamination → silicone roller pressing and leveling → corner notching → post-forming cutting → head/tail corner bending.

— DETAIL SHOWCASE

Detail Engineering

From the CNC system to the hydraulic unit, from forming dies to precision guides — every detail reflects our commitment to precision and durability.



Mitsubishi 10" Touchscreen
MITSUBISHI HMI
Large color touchscreen with intelligent menu — one-touch parameter setting and real-time display.



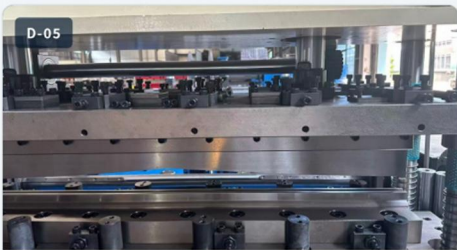
Operation Panel
CONTROL PANEL
Power/device indicators, start, pause, alarm reset and E-stop arranged clearly for safe, convenient operation.



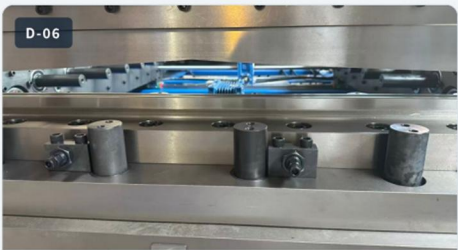
Precision Drive System
DRIVE SYSTEM
Worm-gear reducers with cross ball screw and guide shafts, paired with HIWIN linear guides for precise width adjustment.



Hydraulic Power Unit
HYDRAULIC UNIT
Taiwan motor with CML solenoid valve bank, oil cooler and Japan NOK seals — tidy piping and stable power.



Precision Forming Dies
PRECISION DIES
DC53 die steel heat-treated to HRC 58–60, with guide posts and locating components for stable, durable forming.



Precision Frame Structure
PRECISION FRAME
600H steel + steel plate welded frame, precision-machined by large machining centers — high accuracy, minimal deformation.

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