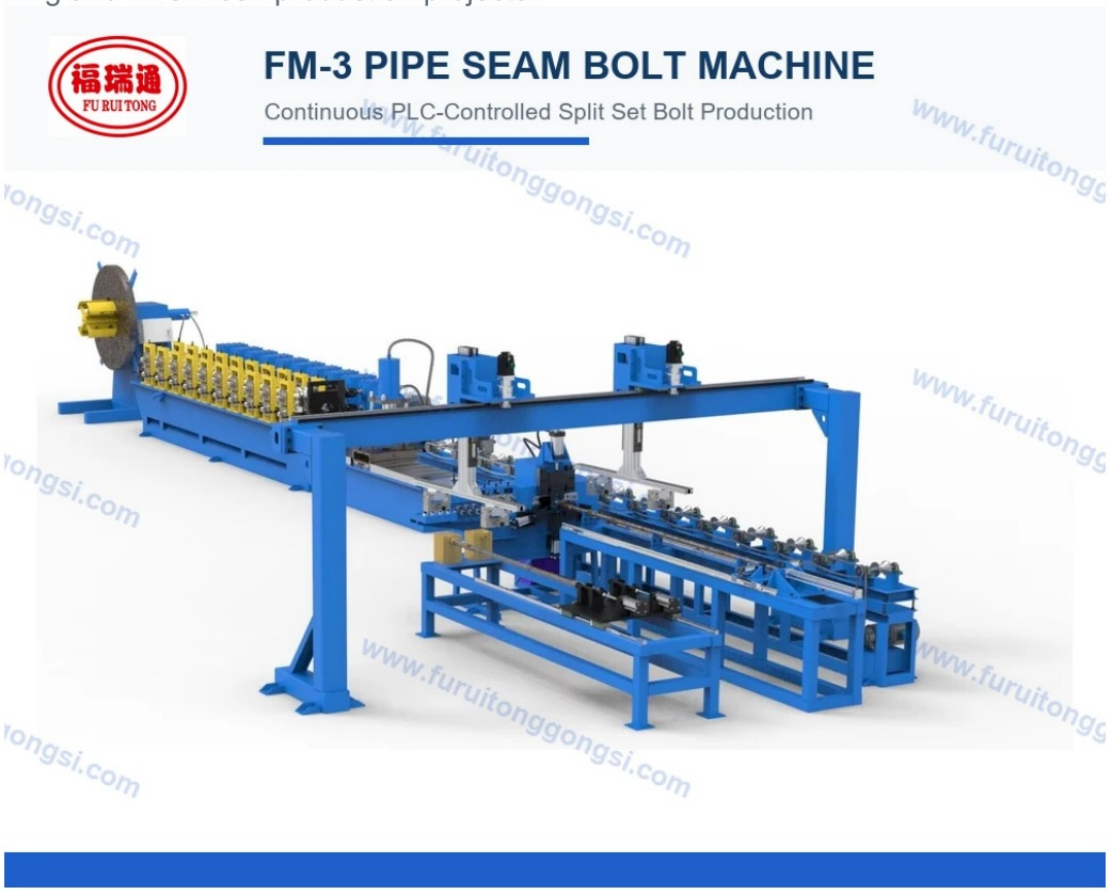
ANCHOR & WIRE MESH EQUIPMENT

English Product Catalogue | 2026

Practical automation for anchor bolt, forming, welding, straightening and wire mesh production projects.



Xingtai Furuitong Machinery Manufacturing Co., Ltd.

www.furuitonggongsi.com | furuitonggongsi@gmail.com | +86 18730934999

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ABOUT US

Automation and support for practical mining-production projects



Xingtai Furuitong Machinery Manufacturing Co., Ltd. specializes in fully automatic production lines for Split-Set. Our equipment covers forming, stamping, welding, straightening and cutting processes for mining support products. We tailor equipment solutions to each customer's operating conditions to help increase output, maintain consistent product quality and reduce labor costs. From initial inquiry and technical coordination through on-site installation and commissioning, we provide complete export-compliant documentation, responsive communication and full-lifecycle after-sales support.

- Equipment customized to your product dimensions
- Complete export-standard documentation for smooth customs clearance
- End-to-end service from initial inquiry through full-production commissioning
- Established in 2007
- 20+ employees
- Core products: Split-Set production lines and wire mesh welding machines

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OUR PRINCIPLES

The working standards behind every machine and project

1

Customer first

Understand the actual production target, site conditions and local requirements before recommending a configuration.

2

Quality as responsibility

Use dependable components, clear process control and documented commissioning so equipment can work consistently.

3

Practical engineering

Keep solutions easy to operate, maintain and scale, with honest specifications and clear commercial communication.

4

Win-win cooperation

Build long-term relationships through responsive support, spare-parts availability and continuous technical consultation.

Our commitment: clear communication, reliable equipment and support that remains available after delivery.

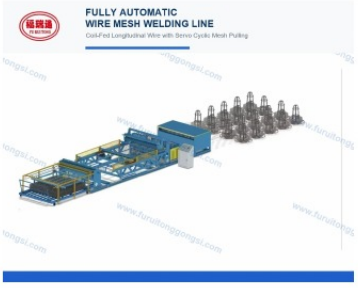
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EQUIPMENT RANGE

Twelve focused machine solutions for anchor support products, steel processing and welded wire mesh production.

SPLIT-SETS PRODUCTION EQUIPMENT	Fully-Automatic Split-Set Rock Bolt Production Line; Split Set Friction Bolt Roll Forming Machine; Automatic Ring Forming Machine; Inclined Stop Ring Welding Machine
WIRE MESH PRODUCTION EQUIPMENT	Rebar Straightening and Cutting Machine; Fully Automatic Wire Mesh Welding Machine; Automatic Longitudinal Wire Arranging Mesh Welding Machine; Alternating Dual-Platform Mesh Welding Machine
REBAR PROCESSING EQUIPMENT	Left/Right Thread Anchor Cutting and Rolling Machine
ANCHOR PLATE PRODUCTION EQUIPMENT	Anchor Plate Production Line; Hydraulic Press; Anchor Plate Stamping Die



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SPLIT-SETS PRODUCTION EQUIPMENT

Fully-Automatic Split-Set Rock Bolt Production Line

A PLC-controlled continuous line for forming, cutting, ring making and ring welding of Split-Set.



CONFIGURATION HIGHLIGHTS

The fully-automatic Split-Set production line completes steel-strip feeding, decoiling, roll forming, necking, cutting, ring forming, ring welding and automatic discharge in sequence. Centralized PLC control and quick tooling adjustments support flexible multi-size production with stable quality and lower labor requirements.

Applications: Continuous Split-Set production; flexible multi-size production; automatic ring forming and welding

Parameter	Specification
Diameter	33-48 mm, customizable
Length	1500-3500 mm, customizable
Raw material thickness	2-3.2 mm
Material	Q355B steel / 09Г2С
Production speed	1-7 bolts/min at 3 m
Total power	15/22 kW
Motor brand	Siemens
Control languages	Chinese / English / Russian
Floor space	Length from 18 m / width from 1.5 m
Consumables	Steel coil / iron wire / welding wire / gas

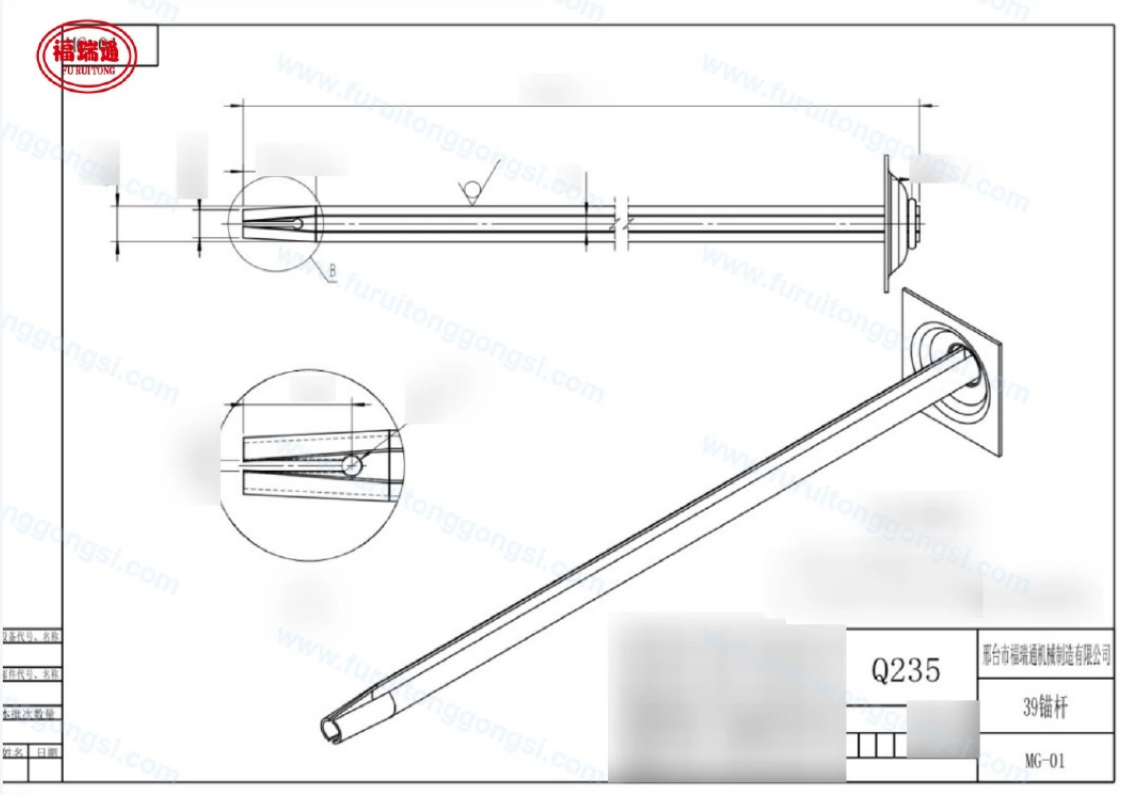
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SPLIT-SETS PRODUCTION EQUIPMENT

Fully-Automatic Split-Set Rock Bolt Production Line

TECHNICAL DRAWING

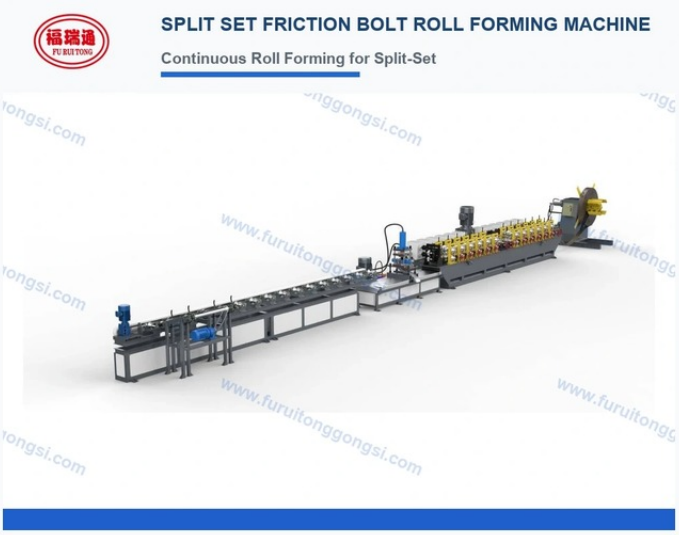


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SPLIT-SETS PRODUCTION EQUIPMENT

Split Set Friction Bolt Roll Forming Machine

Dedicated roll forming, necking and cutting line for Split-Set friction bolt tubes.



CONFIGURATION HIGHLIGHTS

This line comprises a decoiler, cold roll forming machine, necking and cutting station, automatic receiving rack and centralized PLC control system. Changing the forming rolls enables production of Split-Set friction bolt tubes in different diameters, while the control-interface language can be customized for the customer.

Applications: Split-Set friction bolt tube forming; automatic necking and cutting; multi-diameter production

Parameter	Specification
Diameter	33-48 mm, customizable
Length	1500-3500 mm, customizable
Raw material thickness	2-3.2 mm
Material	Q355B steel / 09Г2С

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SPLIT-SETS PRODUCTION EQUIPMENT

Automatic Ring Forming Machine

Automatic high-speed production of reinforcing rings for Split-Set.



CONFIGURATION HIGHLIGHTS

The machine automatically completes feeding, ring rolling, fixed-length cutting and forming in one cycle. It is easy to operate, forms accurately and produces consistent ring sizes. Adjustable parameters support different anchor dimensions and direct connection to ring welding equipment.

TECHNICAL SPECIFICATIONS

Applications: Anchor reinforcing ring production; stable high-speed forming; direct integration with ring...

Parameter	Specification
Wire diameter	6-8 mm
Production speed	35-40 rings/min
Motor power	2.2 kW
Production consumable	Iron wire

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SPLIT-SETS PRODUCTION EQUIPMENT

Inclined Stop Ring Welding Machine

Dedicated gas-shielded circumferential welding equipment for Split-Set stop rings.



CONFIGURATION HIGHLIGHTS

Available in semi-automatic and fully automatic configurations, this compact machine welds the stop ring to the Split-Set body. It can operate independently or integrate into an automated Split-Set production line for consistent welds and improved production efficiency.

TECHNICAL SPECIFICATIONS

Applications: Stop-ring circumferential welding; semi-automatic or gantry-loaded operation; production-line...

Parameter	Specification
Welded anchor length	1.2-2.4 m adjustable
Welded anchor diameter	28-50, mold change required
Welding speed	1-4 rods/min
Welding machine model	Model 350
Welding wire diameter	0.8-1.2 mm
Overall weight	360 kg

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WIRE MESH PRODUCTION EQUIPMENT

Rebar Straightening and Cutting Machine

High-speed straightening and fixed-length cutting of coiled steel wire for mesh production.



CONFIGURATION HIGHLIGHTS

The machine straightens coiled carbon-steel wire and cuts it into fixed-length sections for different mesh welding machines. It supports stable feeding, accurate servo length control and custom discharge lengths for construction and shaped mesh production.

TECHNICAL SPECIFICATIONS

Applications: Steel wire straightening; servo-controlled cutting; preparation of longitudinal and cross wires...

Parameter	Specification
Straightening wire diameter	3-8 mm
Cutting length	Standard 3 m, 0.3-12 m customizable
Speed	120 m/min
Rated power supply	Three-phase 380 V, 50 Hz ±1%
Servo motor power	4.0 kW
Main motor power	15 kW
Cut-length error	″ ±1 mm
Straightness	″ 1 mm/m

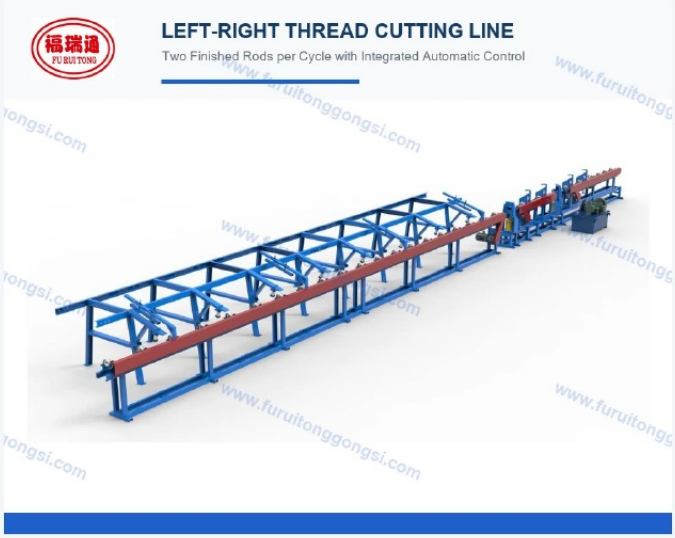
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REBAR PROCESSING EQUIPMENT

Left/Right Thread Anchor Cutting and Rolling Machine

Automatic feeding, fixed-length cutting and thread rolling for left- and right-hand threaded anchors.



CONFIGURATION HIGHLIGHTS

Designed for mining threaded steel anchor bolts, the line completes automatic bar feeding, fixed-length cutting and thread rolling. It provides high length accuracy and a flat cut face, works with several rebar diameters and switches flexibly between left- and right-hand threaded anchor blanks.

TECHNICAL SPECIFICATIONS

Applications: Left- and right-hand threaded anchor blanks; fixed-length cutting; bevel or straight cutting and...

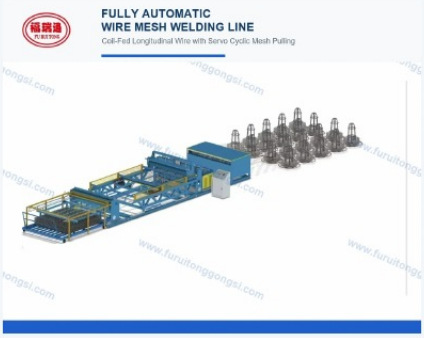
Parameter	Specification
Processable rebar diameter	M16-24
Finished length	1.2-2.4 m adjustable
Raw material length	Customized as required
Cutting type	Bevel and straight cutting
Output	500-600 rods/hour
Total power	14 kW
Floor space	18 × 3 m

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WIRE MESH PRODUCTION EQUIPMENT

Fully Automatic Wire Mesh Welding Machine

Automatic support-mesh welding with coil-fed longitudinal wires and pre-cut cross-wire feeding.



CONFIGURATION HIGHLIGHTS

Fully automatic support wire mesh welding production line is mainly used for batch production of welded reinforcing mesh panels for mine support and is available in models with different welding widths. Work process: Longitudinal wires are paid off from wire reels and guided directly into the welding station; pre-cut cross wires are automatically discharged and fed from the hopper. After resistance spot welding, the servo mechanism cyclically pulls the mesh forward. When the preset length is reached, a heavy-duty shearing machine cuts the mesh and outputs the finished welded panel. Technical features: Safety protection: A cross-wire detection device stops the machine automatically when a cross wire is missing, reducing the risk of faults and manual workload.

Welding performance: The upper and lower electrodes use water cooling and flexible pressure control to provide strong, stable welds with minimal spatter and high production efficiency. Mechanical design: The servo-driven cyclic mesh-pulling structure saves workshop space and delivers high dimensional accuracy. The cross-wire hopper can move in both directions as a complete assembly for fast changeover between mesh specifications. Intelligent control system: The complete line uses a PLC programmable control system for precise, controllable operation and convenient routine maintenance. Note: The standard model welds 3-6 mm wire. Custom equipment is available for other wire diameters.

TECHNICAL SPECIFICATIONS

Applications: Automatic welded wire mesh production; automatic cross-wire feeding and detection; servo cyclic...

Parameter	Specification
Welding wire diameter	3-6 mm, customizable
Maximum welding width	2100 mm, customizable
Welding speed	65-95 cycles/min
Cross-wire feeding	Pre-cut wire feeding
Longitudinal-wire feeding	Coil wire feeding
Transformer power	6 × 125 kVA
Mesh pulling	Servo motor cyclic mesh pulling
Cooling method	Water cooling / air cooling for upper and lower electrodes
Main machine dimensions	5 × 18 m, varies by model

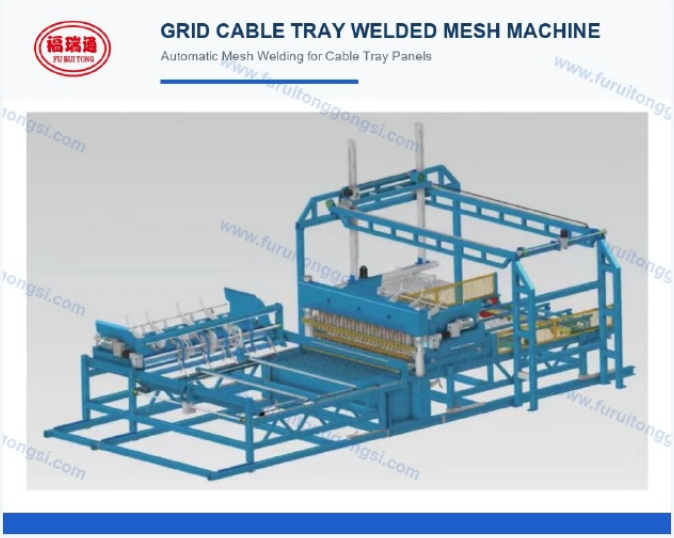
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WIRE MESH PRODUCTION EQUIPMENT

Automatic Longitudinal Wire Arranging Mesh Welding Machine

Automatic longitudinal-wire laying for medium-automation production of standard welded mesh panels.



CONFIGURATION HIGHLIGHTS

Pre-cut cross and longitudinal wires are prepared by an external straightening and cutting machine. Cross wires drop automatically from a fixed hopper while a travelling hopper lays out the longitudinal wires, eliminating manual threading for efficient batch production.

TECHNICAL SPECIFICATIONS

Applications: Construction reinforcing mesh; protective mesh; automatic longitudinal-wire arrangement for...

Parameter	Specification
Welding wire diameter	3-6 mm, customizable
Maximum welding width	2100 mm, customizable
Cross-wire feeding	Pre-cut wire feeding
Longitudinal-wire feeding	Pre-cut wire feeding

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WIRE MESH PRODUCTION EQUIPMENT

Alternating Dual-Platform Mesh Welding Machine

Alternating dual travelling platforms for small, irregular and complex custom mesh panels.



CONFIGURATION HIGHLIGHTS

Two independent travelling fixture platforms alternate between loading, welding and unloading. While one platform is being welded, the operator prepares wire on the other, eliminating idle time and supporting continuous production of hardware mesh, shaped protective mesh and precision non-standard panels.

TECHNICAL SPECIFICATIONS

Applications: Small custom mesh panels; shaped protective mesh; alternating preparation and welding for...

Parameter	Specification
Control system	PLC + touch screen
Maximum effective mesh size	1000 × 1000 mm, customizable
Number of transformers	2-4, customizable
Air pressure	0.4-0.6 MPa
Cooling method	Water-circulation cooling
Automatic stacking	Optional

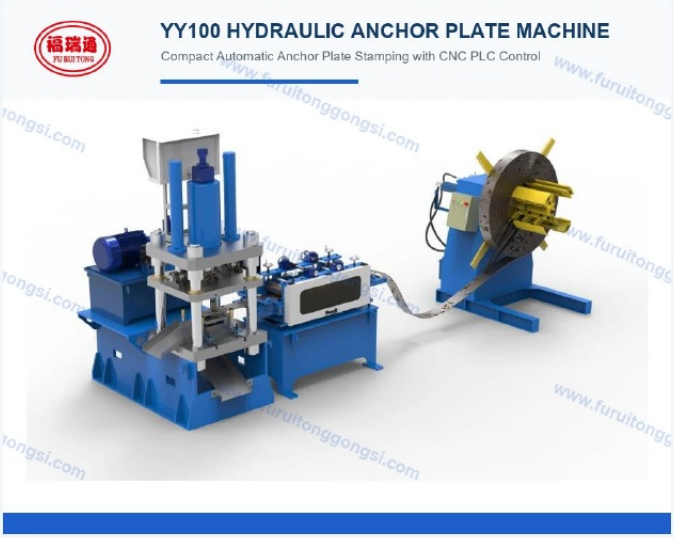
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ANCHOR PLATE PRODUCTION EQUIPMENT

Anchor Plate Production Line

Integrated automated line for strip decoiling, leveling, feeding and hydraulic anchor plate forming.



CONFIGURATION HIGHLIGHTS

After strip steel is loaded, the line automatically performs leveling and feeding, hole punching and press forming. Changing the dies enables several anchor plate and cable-bolt plate specifications. PLC control reduces manual operation and ensures consistent finished products for high-volume mining-support production.

TECHNICAL SPECIFICATIONS

Applications: Automatic anchor plate production; strip-steel leveling and servo feeding; multi-specification...

Parameter	Specification
Equipment composition	Decoiler / leveling feeder / hydraulic press / anchor plate die

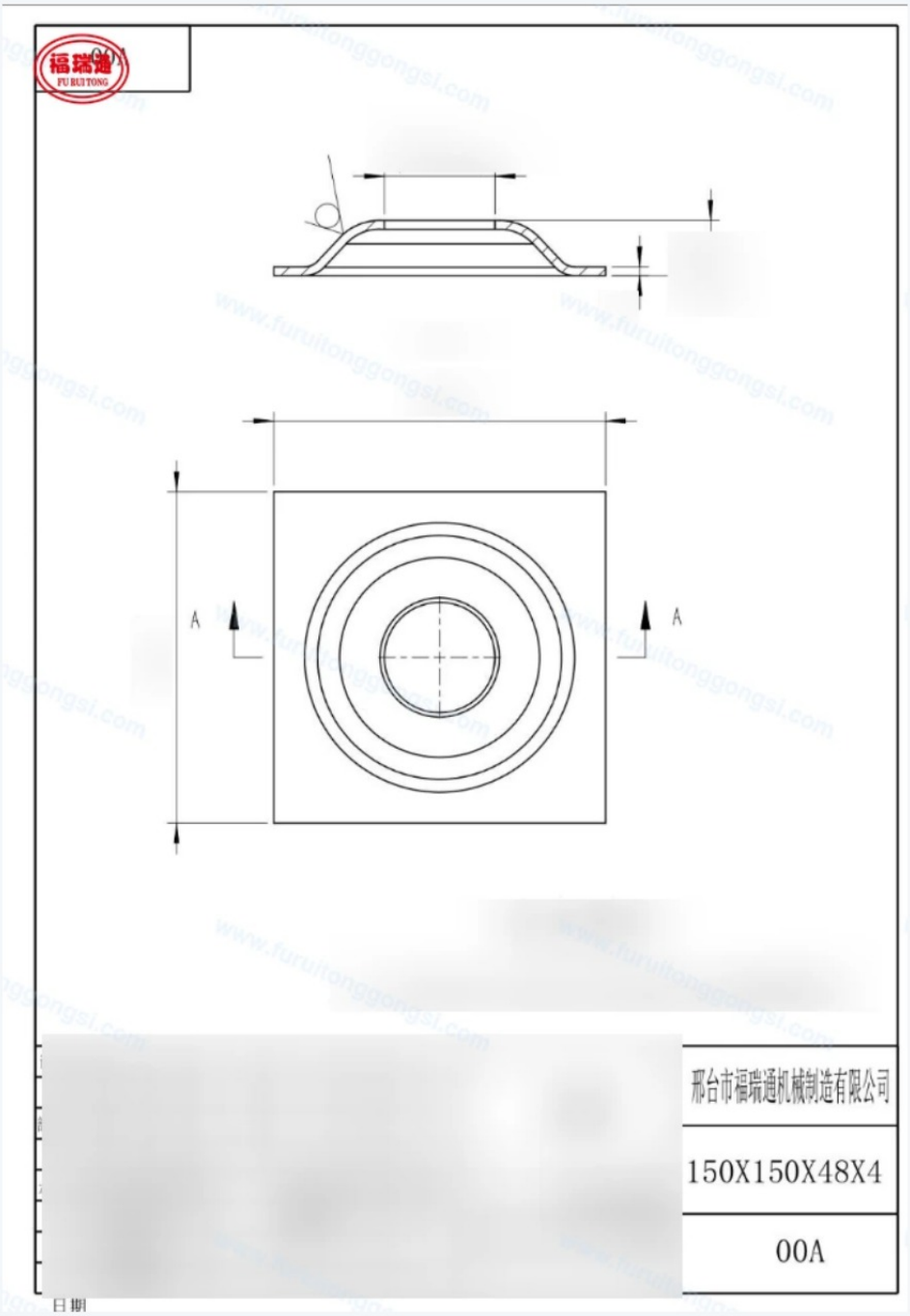
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ANCHOR PLATE PRODUCTION EQUIPMENT

Anchor Plate Production Line

TECHNICAL DRAWING



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ANCHOR PLATE PRODUCTION EQUIPMENT

Hydraulic Press

Standalone foot-controlled hydraulic press for flexible small-batch anchor plate production.



CONFIGURATION HIGHLIGHTS

Pre-cut plate blanks are loaded manually into the forming die and pressed using a foot switch. The machine is supplied as a standalone hydraulic press with forming die and foot control, providing a practical low-investment solution for small batches and multiple plate specifications.

TECHNICAL SPECIFICATIONS

Applications: Small-batch anchor plate forming; manual loading and unloading; flexible die-based production.

Parameter	Specification
Maximum stamping thickness	6 mm
Anchor plate specifications	Made to order
Control method	Foot switch
Dimensions	850 × 640 × 3000 mm
Weight	3000 kg

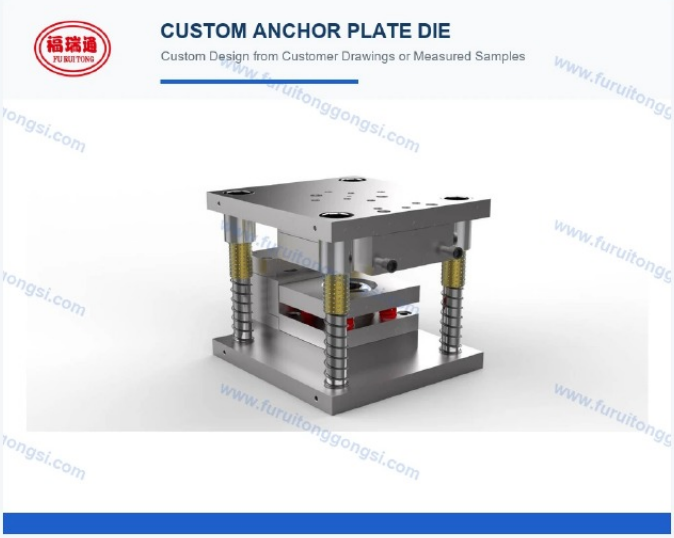
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ANCHOR PLATE PRODUCTION EQUIPMENT

Anchor Plate Stamping Die

Custom heavy-duty forming die manufactured to customer drawings or physical samples.



CONFIGURATION HIGHLIGHTS

The die is dedicated to anchor plate production and is customized to customer drawings. If drawings are unavailable, technicians can measure a physical sample and prepare manufacturing drawings, then recommend a hydraulic press with suitable tonnage for the required product specification.

TECHNICAL SPECIFICATIONS

Applications: Custom anchor plate forming; drawing-based or sample-based die design; matching press-tonnage...

Parameter	Specification
Base plate	45# steel
Upper plate	45# steel
Punch	Cr12MoV
Die core	Cr12MoV

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SERVICE & CONTACT

Tell us the product dimensions, raw material, target output, workshop space and local voltage. Our technical team will help confirm a practical configuration before quotation.

INSTALLATION

Online installation guidance is available for simple machines and experienced operators. For complex projects, Chinese engineers can be dispatched for installation, commissioning and practical training.

AFTER-SALES

We provide one year warranty service from receipt, lifelong technical consultation, replacement parts support and troubleshooting guidance. Technical enquiries are answered within 24 hours after receiving clear fault descriptions, photos or videos.

EXPORT SUPPORT

We can assist with standard export packing, container loading and sea, road or rail transportation. Commercial invoice, packing list, bill of lading and requested customs documents can be arranged.

LET'S DISCUSS YOUR PROJECT

Sales contact: Alex | +86 18730934999
Sales contact: Yana | +86 18884530638
Email: furuitonggongsi@gmail.com
Website: www.furuitonggongsi.com

About 190 m north of Xingwan Police Station, Ningji Line, Renze District, Xingtai, Hebei, China

SCAN TO CONTACT US