

TANGSHAN VANTOOLS INDUSTRIES CO., LTD.

唐山万途科技有限公司

ROLL FORMING MACHINE

Metal Cold Roll Forming Equipment

Professional Manufacturer · Customized Solutions · Export Worldwide

VANTOOLS
Built To Last

PROFESSIONAL MANUFACTURER FOR ROLL FORMING EQUIPMENT

Roof Sheet Machine · Color Steel Machine · Purlin Machine · Ridge Cap Machine · Guardrail Machine

Company Profile

ABOUT US

VANTOOLS
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WHO WE ARE

Tangshan Vantools Industries Co., Ltd. specializes in the R&D and manufacturing of metal cold roll forming machines, covering color steel roof/wall sheet forming lines, glazed tile machines, C/Z purlin machines, ridge cap machines, guardrail forming lines and auxiliary equipment.

Located in Tangshan, Hebei Province, we have complete design, machining, assembly and commissioning capabilities with OEM/ODM customized solutions. Our machines are exported to many countries and widely used in steel structure buildings, industrial plants, roofing and wall cladding systems.

We adhere to the philosophy of "Built to Solve,Built to Last", providing one-stop service from solution design, machine manufacturing, to installation, commissioning and after-sales support.

Quality Certification
ISO9001 / GB/T

Professional Manufacturing
Professional Roll Forming Supplier

Customized Service
OEM / ODM Customized Solutions

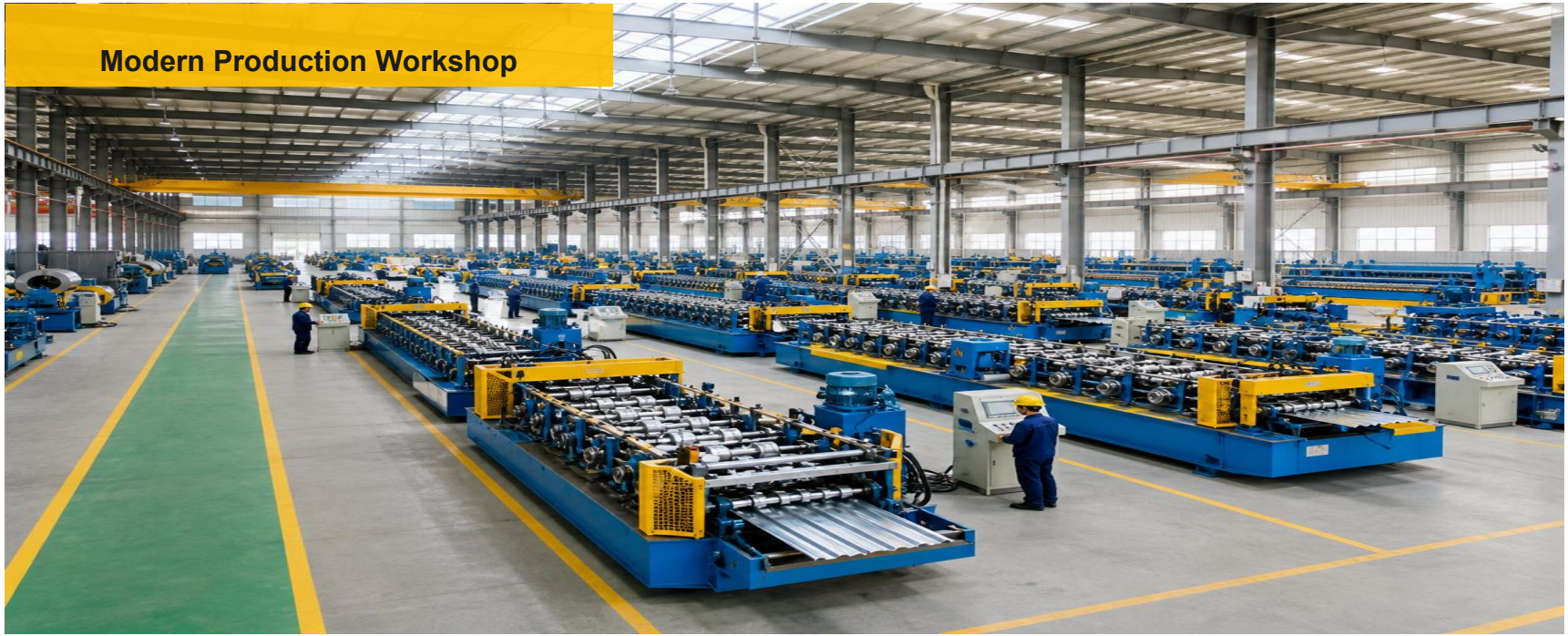


Factory & Capability

OUR STRENGTHS

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Modern Production Workshop



Professional Manufacturing
R&D, machining, assembly and commissioning in one

Customized Solutions
Machines & rollers made per customer drawings / samples

Strict Quality Control
Full machine testing & trial run before delivery

On-time Delivery
Standardized production, controllable lead time

Product Contents

CATALOG

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840 / 860 Color Steel Roll Forming Machine 05
Single-layer sheet forming line

900 / 1080 / 910 / 1000 Color Steel Machine 06
Single-layer sheet forming line

Glazed Tile Roll Forming Machine 07
Chinese-style glazed tile line

C / Z Purlin Roll Forming Machine 08
C & Z section purlin line

Ridge Cap Roll Forming Machine 09
Ridge cap & flashing machine

High Speed Guardrail Forming Machine 10
W-beam guardrail line

Light Steel Keel Forming Machine 1
Drywall / ceiling keel line

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Auxiliary Equipment 12
Decoiler / Shearing / Stacking

840 / 860 Color Steel Roll Forming Machine

Single-Layer Roof & Wall Sheet Forming Line



Effective width 840mm / 860mm with corrugated profile (corrugated / concealed fastener optional). Suitable for color steel sheets, galvanized sheets and aluminum-magnesium-manganese sheets for building envelope systems.

Specification	Technical Parameters
Sheet Thickness	0.3 - 0.8 mm
Forming Passes	13 - 16
Effective Width	840 / 860 mm
Forming Speed	8 - 15 m/min
Main Motor Power	5.5 - 7.5 kW
Cutting Method	Hydraulic shear (PLC length)
Control System	PLC + Touch Screen

Features

Effective width 840 / 860mm, corrugated profile. Widely used in roofing and wall cladding. Complete line: decoiler, forming, hydraulic cutting, PLC controlled.

900 / 1080 / 910 / 1000 Color Steel Roll Forming Machine

Single-Layer Sheet Forming Line



Series covering 900-1080mm effective width with rich profiles (corrugated, trapezoidal, concealed fastener). Standard PLC + VFD ensures stable forming and precise cutting with optional forming roller sets for multi-profile switching.

Specification	Technical Parameters
Sheet Thickness	0.3 - 0.8 mm
Forming Passes	13 - 18
Effective Width	900 / 910 / 1000 / 1080 mm
Forming Speed	8 - 15 m/min
Main Motor Power	5.5 - 11 kW
Sheet Profile	Corrugated / Trapezoidal / Concealed (custom)
Control System	PLC + Touch Screen

Features

Multi-size series covering 900-1080mm effective width. Various profiles available; standard PLC + variable frequency drive for stable forming.

Glazed Tile Roll Forming Machine

Chinese-Style Glazed Tile Line



Produces traditional glazed / color steel tile profiles with full-bodied waves and strong 3D effect. Available in red, blue, green and other baked paint colors; works with hydraulic cutting and automatic stacking for continuous production.

Specification	Technical Parameters
Sheet Thickness	0.3 - 0.6 mm
Forming Passes	12 - 16
Tile Width	800 - 1100 mm (custom)
Forming Speed	8 - 10 m/min
Main Motor Power	5.5 - 7.5 kW
Tile Profile	Traditional glazed tile / multi-wave
Control System	PLC + Touch Screen

Features

Traditional Chinese glazed tile profile, multi-pass roll forming, smooth surface and clear wave pattern. Ideal for Chinese-style buildings, villas and decorative walls.

C / Z Purlin Roll Forming Machine

C & Z Section Purlin Line



Complete line: decoiler, leveling, punching, roll forming and cut-to-length. Optional automatic stacking and fast changeover for multi-specification, high-volume production with precise cross-section.

Specification	Technical Parameters
Sheet Thickness	1.5 - 3.0 mm
Forming Passes	10 - 14
Profile Height	80 - 300 mm (adjustable)
Forming Speed	8 - 15 m/min
Main Motor Power	7.5 - 15 kW
Punching	Hydraulic (programmable positions)
Control System	PLC + Touch Screen

Features

Forms C-section and Z-section purlins with adjustable profile height and programmable punching. Used for steel structure purlins and wall girts.

Ridge Cap Roll Forming Machine

Ridge Cap & Flashing Machine



Compact size and easy changeover. Capable of forming various ridge cap specifications; with manual or hydraulic cutting, suitable for roofing project supporting production and small-batch on-site processing.

Specification	Technical Parameters
Sheet Thickness	0.3 - 0.8 mm
Forming Passes	8 - 10
Forming Speed	6 - 10 m/min
Main Motor Power	3 - 5.5 kW
Cutting Method	Manual / Hydraulic shear
Tile Profile	Ridge cap / flashing (custom)
Control System	PLC / Manual

Features

Forms ridge caps and flashing with smooth curvature and precise dimensions, used for roof ridge, eave and trim sections.

High Speed Guardrail Roll Forming Machine

W-Beam Guardrail Forming Line



Rigid frame and precise roller system ensure stable forming and flat surface. Standard hydraulic cutting and automatic stacking deliver high output for large-scale project supply.

Specification	Technical Parameters
Sheet Thickness	2.5 - 3.0 mm
Forming Passes	16 - 22
Sheet Profile	W-beam guardrail
Forming Speed	5 - 10 m/min
Main Motor Power	18.5 - 30 kW
Cutting Method	Hydraulic shear + auto stacking
Control System	PLC + Touch Screen

Features

Forms W-beam highway guardrail panels with high-strength rolling and standard profile, used for highway, bridge and municipal road safety protection.

Light Steel Keel Roll Forming Machine

Drywall / Ceiling Keel Line



Customizable sections (C38 / C50 / C75 / U-type), multi-pass forming for dimensional accuracy; optional punching dies for efficient batch production.

Specification	Technical Parameters
Sheet Thickness	0.4 - 0.8 mm
Forming Passes	10 - 14
Keel Model	C38 / C50 / C75 / U-type (custom)
Forming Speed	8 - 12 m/min
Main Motor Power	3 - 7.5 kW
Punching	Optional dies
Control System	PLC + Touch Screen

Features

Forms light steel keels (C/U-section studs & tracks for drywall and ceiling systems) with precise cross-section, used in light steel villa, partition and ceiling projects.

Auxiliary Equipment

Complete Line Supporting Machines



Line Configuration

Decoiling, leveling, shearing and stacking machines can be combined with forming lines for a fully automated decoiling-forming-cutting-stacking process.

Hydraulic Decoiler

Hydraulic loading trolley, capacity 3-10T, expanding uncoiler, suitable for various coil sizes.

Leveling Machine

Multi-roller leveling removes internal stress and ensures flat sheet surface.

Hydraulic Shearing Machine

Cut-to-length with PLC counting, precise cutting and flat edge.

Automatic Stacking Machine

Automatic stacking of finished products, saves labor for continuous production.

Production Process

HOW IT WORKS

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01
Decoiling
Hydraulic decoiler holds steel coil and feeds stably.

02
Leveling
Multi-roller leveling removes internal stress and waviness.

03
Roll Forming
Multi-pass rollers gradually shape the required profile.

04
Cutting
Hydraulic / flying shear cuts to length with PLC counting.

05
Stacking
Finished panels are stacked automatically and packed.

Fully automated line: PLC + touch screen (optional VFD, auto counting, punching positioning). Customized forming rollers and profiles per customer process. Turnkey installation & commissioning.

Why Choose Us

OUR ADVANTAGES

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Reliable Quality

Rigid frames and precise roller systems with selected steel and standard parts; full machine trial run before delivery ensures stable and durable performance.

Customized Solutions

Machines and forming rollers customized per customer profile, drawings or samples, meeting different building systems and special process requirements.

Competitive Price

Own production base with scaled manufacturing and optimized supply chain, delivering cost-effective equipment solutions.

Full Service

One-stop support from solution design, installation and commissioning, to operator training and after-sales spare parts, with timely response.

Quality & Service

AFTER-SALES SUPPORT

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Quality Control

Incoming parts inspection, in-process assembly inspection and full machine trial run. CE / ISO9001 certification documents available upon request.

Installation & Commissioning

Installation drawings and video guidance provided; engineer on-site commissioning and training can be arranged for quick production start-up.

Export Packing

Anti-rust treatment, stretch film / wooden case packing; bare parts oiled for sea freight. Customized export packing solutions available.

After-Sales Support

Long-term supply of wear parts and spares; remote technical support or on-site service; free repair within warranty period.

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ROLL FORMING MACHINE MANUFACTURER

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