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Create value
for customers

FORJEN 前进

MANUAL OF HEAVY-DUTY HIGH-ALTITUDE PLATFORM





■ FORJEN Machinery North Factory



■ FORJEN Machinery South Factory.

FORGE AHEAD, PROGRESS WITHOUT LIMITS

FORJEN Roll Forming Machinery Manufacturing Co., Ltd. focuses on two major fields: heavy-duty aerial work platforms and metal roll forming equipment. With 20 years of experience in machinery research, development, and manufacturing, the company has successively obtained ISO 9001 international quality certification, BV certification, SGS certification, and European CE certification. Its products are exported to more than 60 countries and regions worldwide.

It is a high-tech enterprise integrating R&D, production, and sales, equipped with advanced manufacturing production lines, a highly skilled R&D team, and a high-quality sales and service system. It is a high-tech enterprise integrating R&D, production, and sales, equipped with advanced manufacturing production lines, a highly skilled R&D team, and a high-quality sales and service system.

PRECISION MANUFACTURING, CRAFTED WITH INGENUITY

We are committed to independent research and development, using technology to drive growth. We have independently established an ERP management system to achieve refined control over the production process, fully ushering in a new era of intelligent manufacturing. We provide high-quality products and services to our customers, with our products distributed worldwide and earning consistent praise from clients.

A GLOBALLY LEADING INTELLIGENT EQUIPMENT MANUFACTURING BRAND

- 01 Mastery of over a hundred core technologies in heavy industry manufacturing.
- 03 Recipient of dozens of provincial-level and above scientific and technological honors.

EMPOWERING CUSTOMERS TO BUILD TOWERING STRUCTURES AND VAST ENGINEERING PROJECTS

Centering corporate development on meeting customer needs.

- 01 Customized the world's first 35-meter crawler-type traveling lifting machine for a client. Within two years, the client repurchased two JS18.5-8 units and one JS32-8-25-15 unit.

Ensuring project quality for customers through intelligent technology.

- 03 A high-quality partner of Bodor Laser and a supplier with annual procurement volume reaching tens of millions.

Building a Beautiful China with a Rich Variety of Products.

- 05 Assisting in the construction of landmark projects such as the Gansu Gymnasium and BYD Industrial Park, as well as agricultural ecological parks and industrial zones exceeding 100,000 units/projects.

- 02 Successfully obtained over 30 national utility model invention patents.

- 04 The lifting height of aerial roll forming lifting machines has repeatedly set new industry records.

Strengthening customer engagement through "craftsmanship products" as a bond.

- 02 From 2018 to 2023, a total of 21 FORJEN machines were purchased consecutively, including 6 construction machinery units (including one 35-meter lifting machine) and 16 metal processing machines.

Enhancing customer productivity through "excellent quality."

- 04 7 roll forming machines and 5 inverted ceiling platforms have helped the client increase construction efficiency by three times, with an annual project volume exceeding 10 million square meters.

Empowering foreign partners and enhancing national prestige with powerful product performance.

- 06 Our products are exported to more than 60 countries and regions worldwide, with new global customers increasing by over 100% year on year, and nearly 80% of existing customers choosing to make repeat purchases.



FORJEN Engineering Machinery mainly includes Tile Press Lifting Platforms and Heavy-Duty Aerial Work Platforms, featuring three types of traveling modes: crawler type, truck-mounted type, and vehicle-mounted type. The full product line includes more than 40 models, including 33 tile press lifting platforms and 15 heavy-duty aerial work platforms. The aerial working range covers heights up to 40 meters. All equipment is independently designed and developed by FORJEN, with more than 30 national utility model patents.

The entire platform adopts a scientific structural mechanics design, ensuring that the strength and stability of every structural component are fully optimized. Each structure undergoes strict finite element analysis (FEA) to guarantee that the machine not only meets load-bearing requirements but also effectively controls the overall equipment weight. The equipment offers numerous advantages including safety, simplicity, stability, efficiency, durability, intelligent control, and reliable after-sales service. It is capable of handling a wide range of applications, such as high-altitude tile lifting and installation, external roof construction, interior ceiling and wall installation, photovoltaic rooftop renovation, installation on various roofs and walls, pipeline and cable laying, bridge and tunnel maintenance, as well as public infrastructure construction. The machine is designed to perform reliably in complex and harsh extreme working conditions.



EFFICIENT

The Tile Lifting Platform has a maximum load capacity of 20 tons. The Heavy-Duty Aerial Work Platform features a wing-span telescopic platform measuring 12 m × 9.5 m, with a maximum load of 3 tons and a working span exceeding 15 meters, capable of accommodating collaborative operations by teams of 20+ personnel, effectively improving work efficiency.

SAFETY

The platforms use Rexroth hydraulic components, ensuring smooth leveling and fast lifting/lowering. They feature removable 360° safety guardrails, and the wing-span platform design guarantees safety and stability under high-load operations. An intelligent emergency stop system further enhances operational safety.



DURABLE

The crawler, truck-mounted, and integrated truck-mounted mobility modes effectively handle various terrains, minimizing equipment wear caused by ground conditions. The platforms feature professional engineering paint finishes, providing moisture and rain resistance, corrosion protection, and durability against extreme weather, thereby extending equipment service life.

CONCISE

The system is simple and easy to operate. The technical design is straightforward, energy-efficient, and high-performing. The exterior is streamlined for easy transport. Powerful and direct functionality ensures convenient and efficient use.

PERFORMANCE

The equipment offers diesel and electric power with crawler, truck-mounted, and integrated mobility modes. It includes Tile Lifting and Heavy-Duty Aerial Work Platforms, covering working heights up to 40 meters. Equipped with a 5-ton truck-mounted crane, it delivers powerful performance and versatile applications.

INTELLIGENT

The platforms feature a three-in-one control system: mobile phone, wireless remote, and integrated touch screen operation. They support intelligent rental system management, providing real-time visual preview of operations. The PLC-based control system enables modular management for enhanced operational efficiency and reliability.



STABLE

The platform features a brand PLC-based control system with intelligent management, providing real-time visual previews of operations and stable performance. Its large-span hydraulic telescopic outriggers firmly anchor the machine to the ground. High-strength alloy construction ensures precise dimensions, increased counterweight, and enhanced chassis stability.

AFTER-SALES SERVICE

A comprehensive after-sales service system is supported by an experienced service team and efficient, convenient service processes. We provide professional support for installation, commissioning, maintenance, and troubleshooting, ensuring smooth operation throughout the equipment lifecycle.

01

Platform size 12 m × 9.5 m,
supports simultaneous
operation of 20+ personnel.

02

Platform max outreach 15
meters, making large factory
lifting operations more
convenient.

03

Wing-spread platform with
360° guardrails for safer aerial
work.

04

Crawler-type all-terrain travel
mode, cost-saving and easier
to move.

05

Load capacity exceeds 20
tons.

06

Lifting height exceeds 35
meters.

07

Wide outrigger span
ultra-stable chassis.

08

Professional full-machine
coating; moisture, rain,
corrosion and rust resistant.



APPLICATION SCENARIOS OF OVERLOAD AERIAL WORK PLATFORMS

Roof structure installation

**One purlin per minute, 48 purlins per hour.**

■ ■ ■

Our platform enables the direct delivery of workers and building materials to the exact construction position, allowing workers to reach the purlins with just a stretch of their hand. With an ultra-large operating range, it eliminates the need for workers to ride or hang on main beams for high-risk operations, thereby improving efficiency and ensuring safety.

Extreme environment operations

**Tracked chassis for all-terrain mobility; stable performance even in extreme cold down to -30°C.**

■ ■ ■

With its robust chassis design and platform structure, it operates reliably in harsh weather and terrain conditions such as rain, snow, sand, and mud, ensuring project timelines are not affected by the environment.

Traditional construction methods

**100° variable wing span, perfectly adapts to arched roofs**

■ ■ ■

Featuring a unique wing-span folding mechanism with a 100° flexible folding angle, it allows precise adjustment of the working posture according to on-site conditions, significantly improving efficiency and safety in the inspection and maintenance of complex structures such as canopies, high-speed rail systems, and highways.

Wall structure construction

**2 tons of building materials, 5 workers, 300 m² completed in one go.**

■ ■ ■

With a 12-meter working width, 3-ton load capacity, and 114 m² operating range, it delivers outstanding efficiency and safety in wall construction, reducing time wasted on repeated lifting and lowering, and minimizing costs caused by multi-level coordination.

Aerial assisted operations

**Eliminates high-risk falling objects at the source ensuring construction safety.**

■ ■ ■

For hazardous waste generated during hot asphalt work, the platform—thanks to its wide span and excellent load-bearing capacity—can directly and safely catch falling debris, fundamentally eliminating the risk of falling objects from height.

APPLICATION SCENARIOS OF OVERLOAD AERIAL WORK PLATFORMS

Indoor and outdoor shopping mall decoration



Compact 3m body for efficient mall and supermarket decoration.



Its compact design (only 3 m in width and height when retracted) allows unobstructed indoor movement. Combined with flexible tracked mobility and a maximum working height of 31 m, it perfectly meets the construction needs of shopping malls and other indoor venues.

Office building wall construction



Supports three-phase power for all-in-one complex operations.



The platform provides a spacious, stable working surface, supporting multi-station collaboration and carrying more building materials and tools. Integrated power supply directly powers various tools, improving workflow efficiency while ensuring construction quality and progress.

High-speed railway station construction



One machine replaces multiple units, handling up to 95% of tasks.



A single machine integrates the functions of aerial work platforms, cranes, and scissor lifts. It excels at load handling, lifting, and on-the-spot turning, and is capable of perfect execution in wall and roof structural construction, decoration, and renovation.

Recommended equipment by China Construction Eighth Engineering Division

Compliant with certifications, advanced technology, and safety assured. Endorsed and promoted by central state-owned enterprises.



We hold complete certifications and a strong market reputation, with advanced technology and guaranteed working-at-height safety. Our equipment has been recognized and widely adopted by multiple central and state-owned enterprises, fully meeting compliance requirements for entry into large-scale, high-standard projects.

APPLICATION SCENARIOS OF OVERLOAD AERIAL WORK PLATFORMS

Canton Fair Complex renovation and maintenance



Multi-angle intelligent extension for complex facade advertising and exterior wall operations.



The platform features strong lifting and extension capabilities. Its boom system can be flexibly adjusted at multiple angles, enabling operators to accurately position installation points. It is suitable for complex façades or environments requiring obstacle avoidance, and has already been used in exterior wall renovation work at the Canton Fair Complex.

Aerial auxiliary operations.



Say goodbye to multi-machine coordination—one machine handles the entire pipeline installation process.



Traditional platforms are small, lightweight, narrow, and single-function. In contrast, our platform integrates lifting, load-bearing, power connection, and construction functions. A single machine can complete repetitive ventilation duct installation tasks, improving efficiency while ensuring safety.

Overwater construction.

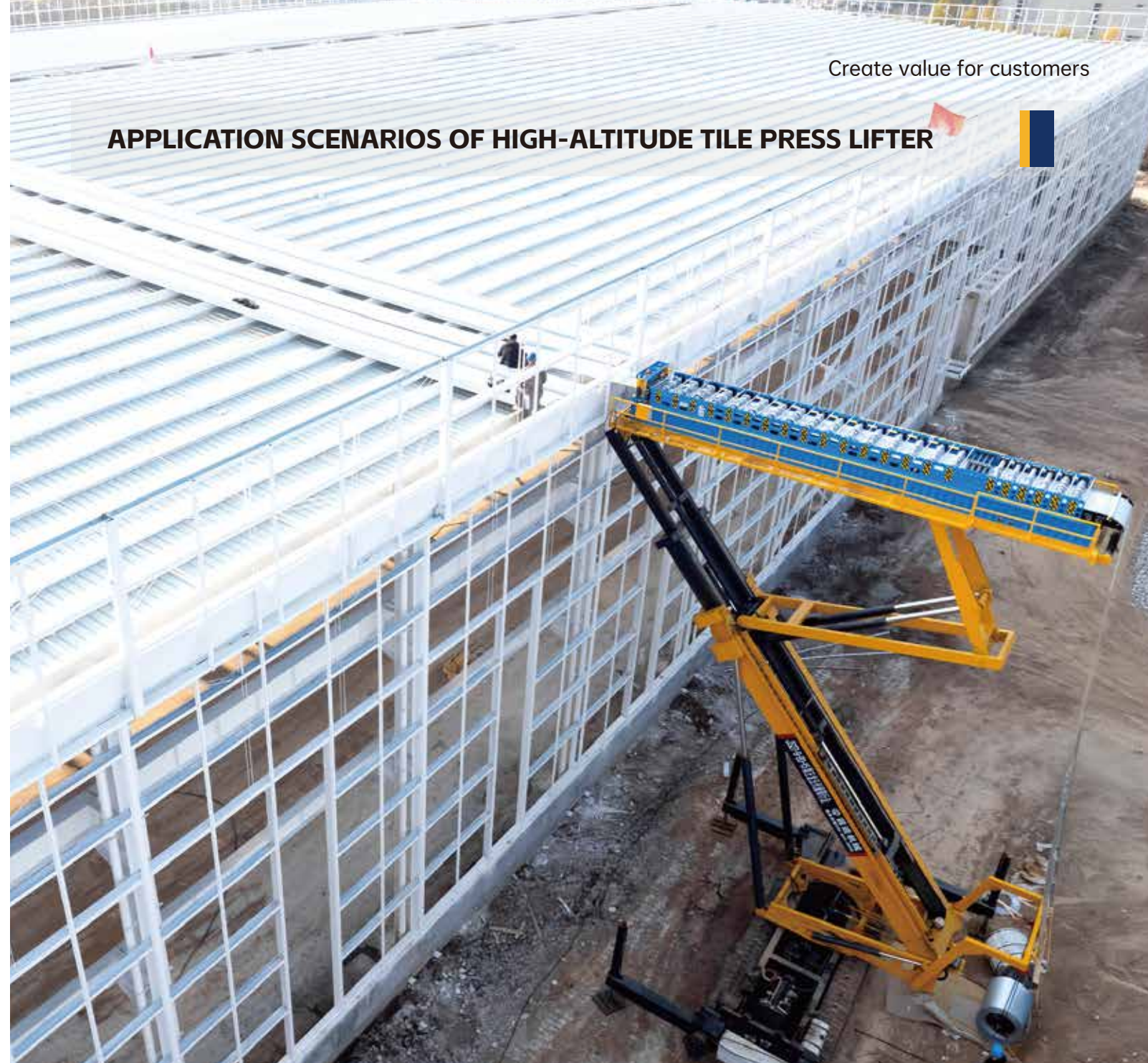


Overwater aerial work—say goodbye to suspension risks from now on.



The platform features a stable structure with excellent moisture-proof and anti-corrosion properties. When deployed on vessels, it can efficiently and reliably perform overwater operations such as bridge under-deck maintenance and offshore photovoltaic installation. Compared with traditional suspended methods, it offers greater safety and stability, higher equipment load capacity, and better protection for construction personnel.

APPLICATION SCENARIOS OF HIGH-ALTITUDE TILE PRESS LIFTER



SERVED OVER THE PAST 20 YEARS

**OVER 5,000 CUSTOMERS ACROSS MORE THAN
150 COUNTRIES AND REGIONS.**



TRUCK-MOUNTED HIGH-ALTITUDE TILE-PRESS LIFTING MACHINE

● JS18.5-8CZYT

● JS23-8-CZYT

FORJEN high-altitude tile-making vehicle is a nationally certified special-purpose vehicle, capable of remote-controlled lifting and tile-pressing operations—efficient, safe, and cost- and labor-saving. It is equipped with an intelligent safety system that monitors the tile-pressing status in real time. Dual diesel and electric drives provide extended endurance, ensuring efficient operation under complex conditions. Mounted on a 9.6-meter 4×4 front, 8×4 rear truck chassis, it complies with current domestic road transport regulations.



JS18.5-8CZYT



18.5m	3m/min	9*2.2m
Work height	Lifting speed	Platform Dimensions
24.1T		
Weight (excluding tile machine)		
8T	Yuchai 350 HP	
Maximum Load Capacity	Engine	

EQUIPMENT SPECIFICATIONS	
Equipment length (retracted state)	12m
Equipment width (retracted state)	2.5m
Equipment height (retracted state)	4m
Outrigger span	5.5*7m
Operator cabin	High-roof double sleeper
Transmission	12-speed transmission
Tire	11.00 radial tire
Fuel tank capacity (diesel)	400L
Platform height	17.9m
Maximum height load capacity	8T
Safe working load at 15 m height	8T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration
Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	325L

JS23-8CZYT



23m	3m/min	9*2.2m
Work height	Lifting speed	Platform Dimensions
25.7T		
Weight (excluding tile machine)		
8T	Yuchai 350 HP	
Maximum Load Capacity	Engine	

EQUIPMENT SPECIFICATIONS	
Equipment length (retracted state)	12m
Equipment width (retracted state)	2.5m
Equipment height (retracted state)	4m
Outrigger span	6*7m
Operator cabin	High-roof double sleeper
Transmission	12-speed transmission
Tire	11.00 radial tire
Fuel tank capacity (diesel)	400L
Platform height	22.4m
Maximum height load capacity	8T
Safe working load at 15 m height	8T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration
Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	380L

CRAWLER-TYPE AERIAL TILE PRESSING AND LIFTING MACHINE

- JS19-8-LD
- JS25-8-LD
- JS27-9-20-15-LD
- JS31-8-25-15-LD

The new-generation lifting machine is additionally equipped with a crawler-type travel mode, bringing it in line with the industry's advanced crawler travel systems. The overall machine design has been upgraded, and by applying mechanical principles, its self-weight has been reduced by 12% while maintaining the lifting height and load capacity of the vehicle-mounted aerial tile-press lifting machine. This improves construction-site productivity, lowers on-site relocation costs, and the wide chassis ensures the safety of aerial tile-press operations.



JS19-8-LD

18.4m	3.7m/min	19m	3*9.7m	8T	Yuchai 120 hp engine
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Engine



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	10.6m
Equipment width (retracted state)	2.98m
Equipment height (retracted state)	3.1m
Outrigger span	6.5*7m

EQUIPMENT PERFORMANCE

Maximum height load capacity	8T
Safe working load at 15 m height	8T
Synchronous lifting	
Platform rotation angle	
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	460L
Travel speed	30m/min
Track length	4.5m
Minimum ground clearance	0.39m
Diesel tank capacity	100L
Weight (excluding tile machine)	24T

JS25-8-LD

24.4m	3.5m/min	25m	3*9.7m	8T	玉柴140马力
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Engine



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	10.6m
Equipment width (retracted state)	2.98m
Equipment height (retracted state)	3.1m
Outrigger span	7*8m

EQUIPMENT PERFORMANCE

Maximum height load capacity	8T
Safe working load at 20 m height	8T
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	460L
Travel speed	25m/min
Track length	4.5m
Minimum ground clearance	0.39m
Diesel tank capacity	100L
Weight (excluding tile machine)	29.5T

JS27-9-20-15-LD

26.4m	2.5m/min	27m	2.2*9m	15T	Yuchai 150 horsepower
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Engine



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	10.8m
Equipment width (retracted state)	2.85m
Equipment height (retracted state)	3.3m
Outrigger span	7.3*7.3m

EQUIPMENT PERFORMANCE

Maximum height load capacity	9T
Safe working load at 20 m height	15T
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	570L
Travel speed	25m/min
Track length	4.5m
Minimum ground clearance	0.35m
Diesel tank capacity	100L
Weight (excluding tile machine)	33.9T

JS31-8-25-15-LD

30.4m	2.5m/min	31m	2.38*9.8m	15T	Yuchai 150 horsepower
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Engine



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	12.6m
Equipment width (retracted state)	2.85m
Equipment height (retracted state)	3.3m
Outrigger span	8.9*7.3m

EQUIPMENT PERFORMANCE

Maximum height load capacity	8T
Safe working load at 25 m height	15T
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	660L
Travel speed	25m/min
Track length	5m
Minimum ground clearance	0.35m
Diesel tank capacity	100L
Weight (excluding tile machine)	40T

TRUCK-MOUNTED AERIAL TILE PRESSING AND LIFTING MACHINE

- JS18.5-8
- JS18.5-12
- JS27-9
- JS28-12-20-20
- JS31-9
- JS32-8-25-15

The fifth-generation FORJEN aerial tile pressing and lifting machine features a 14% increase in lifting height and a 50% improvement in load capacity. The entire series is equipped with an intelligent operation platform, enabling one-button start, smart safety monitoring, and visualized control of working conditions. The machine is constructed with high-quality steel and a high-pressure, explosion-resistant hydraulic system for maximum structural strength. It is fitted with a FORJEN aerial-specific tile pressing unit, ensuring the vehicle remains within load limits for easy transportation.



JS18.5-8

17.9m	2.2m/min	18.5m	9*2.2m	8T	9.6-meter 8x4 truck
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Transport vehicle



EQUIPMENT SPECIFICATIONS	
Equipment length (retracted state)	9.4m
Equipment width (retracted state)	2.35m
Equipment height (retracted state)	2.6m
Outrigger span	5.2*6m

EQUIPMENT PERFORMANCE	
Maximum height load capacity	8T
Safe working load at 15 m height	8T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL	
Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	325L
Weight (excluding tile machine)	13.5T

JS18.5-12

17.9m	1.9m/min	18.5m	9*2.2m	12T	13-meter semi-trailer
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Transport vehicle



EQUIPMENT SPECIFICATIONS	
Equipment length (retracted state)	10.5m
Equipment width (retracted state)	2.35m
Equipment height (retracted state)	2.6m
Outrigger span	7.2*6m

EQUIPMENT PERFORMANCE	
Maximum height load capacity	12T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL	
Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	340L
Weight (excluding tile machine)	18.5T

JS27-9

26.4m	2m/min	27m	9*2.2m	9T	13-meter semi-trailer
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Transport vehicle



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	11m
Equipment width (retracted state)	2.35m
Equipment height (retracted state)	2.7m
Outrigger span	7.2*7.6m

EQUIPMENT PERFORMANCE

Maximum height load capacity	9T
Safe working load at 20 m height	9T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	500L
Weight (excluding tile machine)	24.3T

JS28-12-20-20

27.4m	1.5m/min	28m	13.5*2.45m	20T	13-meter flatbed semi-trailer
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Transport vehicle



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	11.8m
Equipment width (retracted state)	2.5m
Equipment height (retracted state)	3.1m
Outrigger span	8.3*7.6m

EQUIPMENT PERFORMANCE

Maximum height load capacity	12T
Safe working load at 20 m height	20T
Safe working load at 25 m height	15T
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Remote control range	100m
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Ordinary
Variable Pump	Standard configuration
Hydraulic oil tank capacity	769L
Weight (excluding tile machine)	30.5T

JS31-9

30.4m	2m/min	31m	9*2.2m	9T	13-meter semi-trailer
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Transport vehicle



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	12.6m
Equipment width (retracted state)	2.35m
Equipment height (retracted state)	2.7m
Outrigger span	7.2*7.6m

EQUIPMENT PERFORMANCE

Maximum height load capacity	9T
Safe working load at 20 m height	9T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	650L
Weight (excluding tile machine)	26.4T

JS32-8-25-15

31.4m	1.8m/min	32m	9.8*2.3m	15T	13-meter semi-trailer
Work height	Lifting speed	Working height	Platform size	Maximum load capacity	Transport vehicle



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	12.6m
Equipment width (retracted state)	2.35m
Equipment height (retracted state)	2.7m
Outrigger span	7.2*7.6m

EQUIPMENT PERFORMANCE

Maximum height load capacity	8T
Safe working load at 25 m height	15T
Synchronous lifting	None
Platform rotation angle	±100° left and right
Remote screen mirroring via mobile phone	Standard configuration
Leasing model	Optional configuration

DRIVE & TRAVEL

Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	670L
Weight (excluding tile machine)	30T

TRACKED HEAVY-DUTY AERIAL WORK PLATFORM

- 16-3BL-FDD
- 16-8BP-X
- 19-8BP-FD/19-8BP-FDYW
- 25-8BP-FD/25-8BP-FDYW
- 31-8-25-15FD/31-8-25-15FDYW

Tracked heavy-duty aerial work platform with speeds of 35 m/min (high) and 15 m/min (low), featuring smooth control, soft start, and agile turning.

Powered by a Yuchai engine with strong horsepower, and equipped with high-capacity track tensioning cylinders for stable, heavy-load operation without derailment.

Fitted with a 12 m, 5-ton truck-mounted crane, delivering powerful performance and versatile applications, covering over 90% of aerial work needs.



16-3BL-FDD

17m
Work height

3.7m/min
Lifting speed

30m/min
Travel speed

8*10m
Platform dimensions

None
Tile-pressing function

Yuchai120HP
Engine power



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	11.5m
Equipment width (retracted state)	2.95m
Equipment height (retracted state)	3m
Outrigger span	6.5*7m
Heavy-duty platform safe load capacity	3T
Heavy-duty platform height	16m
Truck-mounted crane	3T fully extended
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Remote control range	100m
Mobile screen mirroring remote control	Standard configuration
Rental mode	Optional configuration
Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	360L
Platform type	Extendable wingspan
Track length	3.8m
Minimum ground clearance	0.39m
Diesel tank capacity	100L
Weight (bare machine)	25T

16-8BP-X

17m
Work height

2.5m/min
Lifting speed

30m/min
Travel speed

8*10m
Platform dimensions

Available
Tile-pressing function

Yuchai120HP
Engine power



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	10.5m
Equipment width (retracted state)	2.2m
Equipment height (retracted state)	2.5m
Outrigger span	6.5*5m
Heavy-duty platform safe load capacity	2T
Heavy-duty platform height	16m
Truck-mounted crane	3T fully extended
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Remote control range	100m
Mobile screen mirroring remote control	Standard configuration
Rental mode	Optional configuration
Oil pump motor control	Variable frequency
Constant power load-sensing pump	Standard configuration
Hydraulic oil tank capacity	360L
Platform type	Telescopic
Track length	4m
Minimum ground clearance	0.39m
Diesel tank capacity	100L
Weight (bare machine)	23T

19-8BP-FD/19-8BP-FDYW

20m

Work height

3.7m/min

Lifting speed

30m/min

Travel speed

9.5*12m

Platform dimensions

None / Available

Tile-pressing function

Yuchai120HP

Engine power

EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	13.5m
Equipment width (retracted state)	3m
Equipment height (retracted state)	3.1m
Outrigger span	6.5*7m
Platform safe working load (SWL)	3T
Roof-forming platform max load	8T
Max safe load at maximum roof-forming height	6T
Safe working load at 15 m roof-forming height	8T
Heavy-duty platform height	19m
Truck-mounted crane	5Tcapacity at full extension12m
Synchronous lifting	Yes
Platform slewing angle	Left and right: 100°
Remote control range	100m
Mobile screen mirroring and remote control	Standard configuration
Leasing model	Optional configuration
Hydraulic pump motor control	Frequency conversion
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	460L
Platform configuration	Wingspan plus telescopic extension
Track length	4.5m
Minimum ground clearance	0.39m
Diesel fuel tank capacity	100L
Weight (bare machine)	28.6T

25-8BP-FD/25-8BP-FDY W

26m
Work height

3.5m/min
Lifting speed

25m/min
Travel speed

9.5*12m
Platform dimensions

None / Available
Tile-pressing function

Yuchai140HP
Engine power



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	13.5m
Equipment width (retracted state)	3m
Equipment height (retracted state)	3.2m
Outrigger span	9.2*8.5m
Platform safe working load (SWL)	3T
Roof-forming platform max load	8T
Max safe load at maximum roof-forming height	8T
Safe working load at 15 m roof-forming height	8T
Heavy-duty platform height	25m
Truck-mounted crane	5Tcapacity at full extension12m
Synchronous lifting	Yes
Platform slewing angle	Left and right: 100°
Remote control range	100m
Mobile screen mirroring and remote control	Standard configuration
Leasing model	Optional configuration
Hydraulic pump motor control	Frequency conversion
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	460L
Platform configuration	Wingspan plus telescopic extension
Track length	4.5m
Minimum ground clearance	0.39m
Diesel fuel tank capacity	100L
Weight (bare machine)	35T

31-8-25-15FD/31-8-25-15FDY W

32m
Work height

3m/min
Lifting speed

25m/min
Travel speed

9.5*12m
Platform dimensions

None / Available
Tile-pressing function

Yunnei 190 HP
Engine power



EQUIPMENT SPECIFICATIONS

Equipment length (retracted state)	13.5m
Equipment width (retracted state)	2.95m
Equipment height (retracted state)	3.3m
Outrigger span	8.9*7.3m
Heavy-duty platform safe load capacity	3T
Maximum load capacity	15T
Safe load capacity at maximum height	8T
Safe working load at 25 m	15T
Heavy-duty platform height	31m
Truck-mounted crane	5T load capacity at 12 m
Synchronous lifting	Yes
Platform rotation angle	±100° left and right
Mobile screen mirroring remote control	Standard configuration
Rental mode	Optional configuration
Oil pump motor control	Variable frequency
High-pressure gear pump	Standard configuration
Hydraulic oil tank capacity	460L
Platform type	Extendable wingspan
Track length	5m
Minimum ground clearance	0.39m
Diesel tank capacity	100L
Weight (bare machine)	43.5T



Aerial tile pressing machine

- 01

Long service life:
Multiple-layer paint coating for enhanced surface protection; key components undergo heat treatment to ensure equipment stability; strict supplier selection standards; total panel production exceeds 5 million meters.
- 02

Lightweight machine:
Intelligent force analysis is applied during the sheet forming process, with dynamic simulation of roll forming layout, 3D dynamic environment monitoring, and data-driven optimization to streamline roller configuration.
- 03

High forming speed:
Standard models offer a forming speed of 30 m/min, while high-end models exceed 45 m/min.
- 04

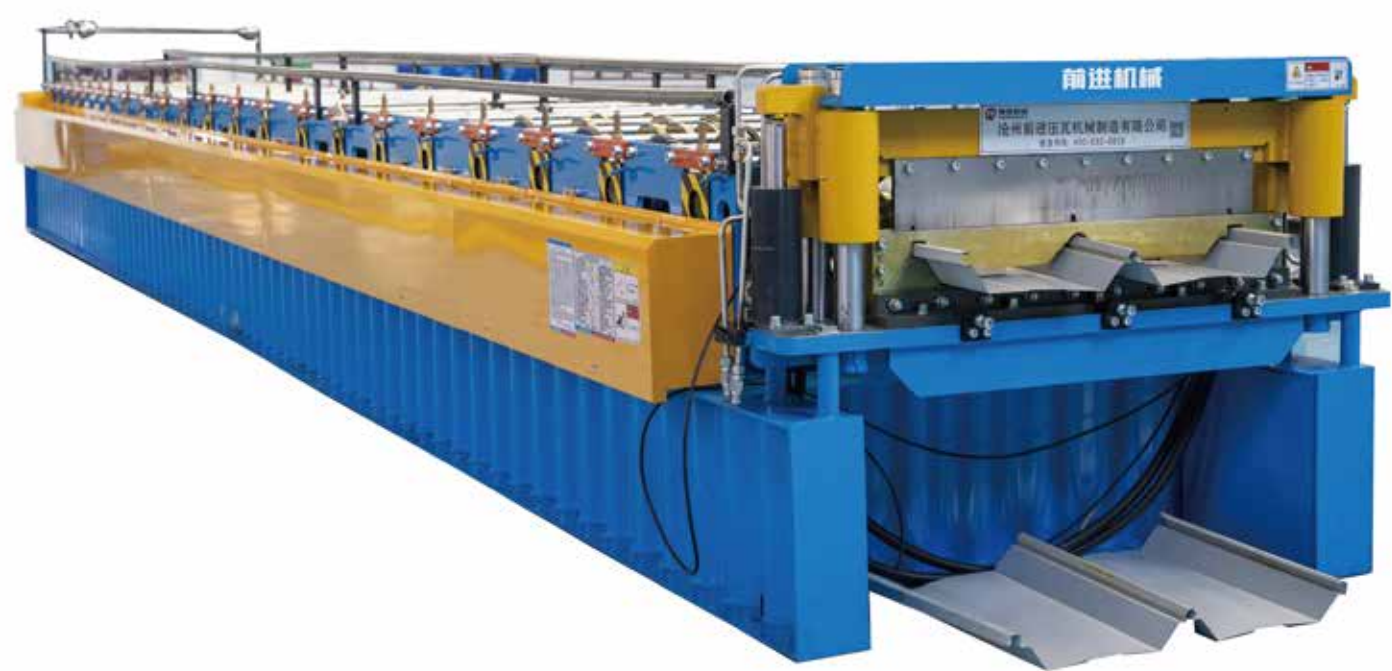
Sheet thickness:
Ordinary material: 0.3-1.2 mm /
Stainless steel: 0.3-0.8 mm /
Composite panel: 2.0-2.8 mm
- 05

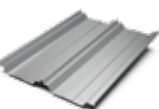
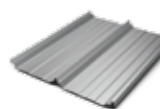
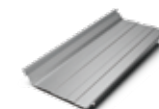
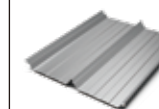
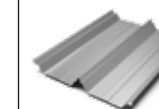
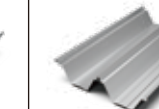
Plate material:
Pre-painted steel (color-coated steel), aluminum-magnesium-manganese, galvanized steel, aluminum-magnesium-zinc coated steel, stainless steel 201, stainless steel 304, TPO / PVC composite membrane panel.
- 06

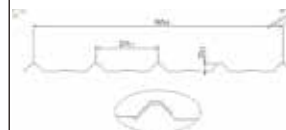
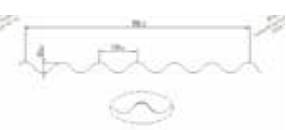
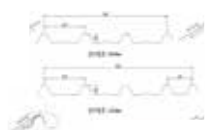
Stable operation:
Powerful performance, with panel length up to 100 m; stable sheet output without deviation for various materials; hydraulic guide column ensures high-precision cutting with strong force.
- 07

High frame strength:
The base frame adopts a corrugated plate / H-beam design, with strength increased by 1.5 times compared to the traditional structure.
- 08

Profile accuracy:
Effective width tolerance: ± 2 mm; corner angle deviation $< 2^\circ$. Significantly improves sealing performance.



Aerial standing seam tile-press machine series						
Model	YX75-380-760	YX50-410-820	YX65-470	YX75-394-788	YX52-410-820 (360°seam locking)	YX115-333-666
Processing materials	Pre-painted steel / Al-Mg-Mn / Galvanized steel / Al-Mg-Zn coated steel / SS201 / SS304					
Forming thickness	Ordinary material: 0.3-1.2 mm / Stainless steel: 0.3-0.8 mm					
2D profile						
3D profile						
Service life	Over 5 million meters					

TPO fused tile roll forming machine				
Model	YX23-210-840	YX35-135-780	YX18-76-836	YX50-230-690-830
Processing materials	Organic laminated boards such as TPO and PVC			
Forming thickness	Fused board: 2.0 - 2.8mm			
2D profile				
3D profile				
Service life	Over 5 million meters			

After-sales Service

01

Before shipment, we conduct equipment packaging, fastening and shock absorption in accordance with international standards and the highest commercial practices, to better reduce the impact of weather, environment, collision, transshipment and other factors during transportation, and effectively prevent equipment abrasion, corrosion and parts falling off in transit.

02

We have full confidence in our brand's technology and quality. Therefore, we offer customers an acceptance period of up to one week according to different equipment types, allowing sufficient time for no-load operation, load operation, linkage operation and other tests of the equipment.

03

Our after-sales support features professional expertise and timely response. For domestic customers, our engineers are required to arrive on-site within 24 hours upon notification, with a maximum of 36 hours under special circumstances after official approval. For overseas clients, we provide 7×24-hour remote assistance.

04

In the provision of after-sales service and technical support, we follow the principle of "observation, listening, inquiry and diagnosis". Our engineers are equipped with extensive experience and comprehensive professional qualities. In work execution, they focus on key points and formulate targeted solutions. During equipment maintenance, they clarify all problems thoroughly to eliminate hidden risks efficiently. We deliver high-quality services to meet customers' high expectations.

05

We have a complete after-sales service system and supply chain support. We guarantee the normal operation of the customer's equipment. Throughout the entire operation cycle of the production line, we continuously supply key components such as materials, assemblies, electrical components and tools to ensure an adequate supply of spare parts.



Create value for customers