

FORJEN 前进

TRACKED HIGH-ALTITUDE
LIFTING PLATFORM-19M

COMPREHENSIVE UPGRADE



CANGZHOU FORWARD ROLL FORMING MACHINERY MANUFACTURING CO., LTD.

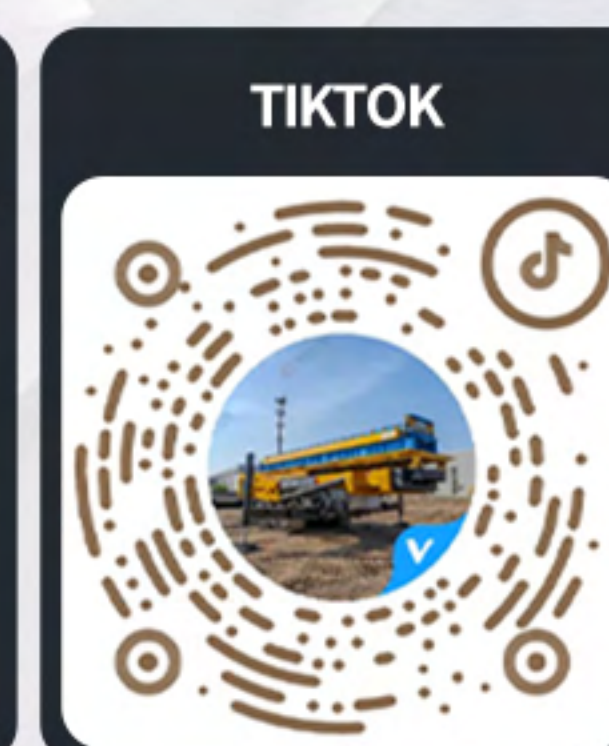
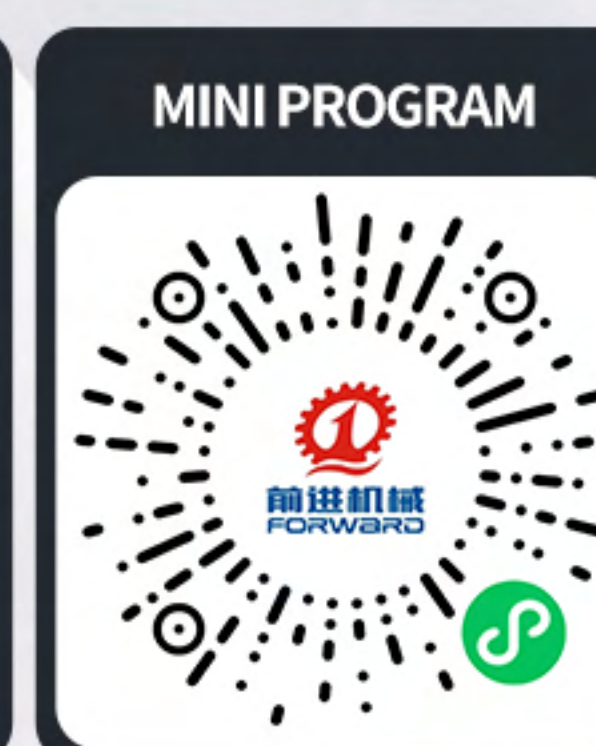
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114m²
FULLY EXTENDED

19m
LIFTING HEIGHT

3t
RATED LOAD

5t
TRUCK CRANE DATA

PRODUCT INTRODUCTION

The 19-8BP is a crawler-mounted, multifunctional heavy-duty aerial work platform featuring precision engineering and a highly stable structure.

The platform provides a spacious working area of 114 m², a maximum lifting height of 25 meters, and a maximum load capacity of 3 tonnes.

The working platform is equipped with six sets of high-strength hydraulic cylinders. Its wide-span triangular support structure delivers enhanced stability, with a diagonal span exceeding 15 meters. Even under a full load of 3 tonnes, the platform remains stable, enabling safer and more efficient work at height.

The crawler travel system adopts industry-leading design technology and integrated customized engineering. It offers high precision, a large ground-contact area, and powerful traction. With a travel speed of up to 30 m/min, it can adapt effectively to challenging job-site conditions, including hills, sandy ground, rain, and snow.

The machine is fitted as standard with a 13.5-meter, 5-tonne truck-mounted crane. Its boom features a 380 mm section height and a high-strength octagonal structure, providing excellent structural stability, strong load-bearing capacity, durability, and long service life. The crane can operate independently for material handling or work together with the platform for lifting and supporting operations, ensuring safer and more efficient construction.

APPLICATION SCENARIO

Reverse-suspended roofing
Wall panel installation
High-altitude roll forming
High-altitude construction
Tunnel repair
Photovoltaic (PV) installation



The logo for FORJEN 前进, featuring the word 'FORJEN' in white capital letters on a blue rectangular background, followed by the Chinese characters '前进' in white. The background of the entire page is a photograph of a yellow industrial machine, likely a climbing crane, with a lattice boom and safety mesh, set against a clear blue sky.

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Performance Section

Advanced Technology · Strong and Durable

- The lifting booms are made of high-strength T700 steel and precision-machined for excellent wind and shear resistance, making them suitable for plateau and coastal environments.
- Powered by a 120 HP Yuchai diesel engine, the machine delivers strong climbing performance, low fuel consumption, and reliable operation.
- Premium components, including copper bushings, imported load-sensitive multi-way valves, and precision oil seals, improve stability, reduce failures, and ensure safe aerial operation.
- The entire machine is shot-blasted and coated with four layers of industrial paint, reaching 150–180 μm in thickness for enhanced corrosion resistance, durability, and service life.



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Performance Section

Powerful Performance · Boosted Efficiency

- The ****19-8BP**** is a crawler-mounted multifunctional heavy-duty aerial work platform with a precise and stable structure.
- It features a ****114 m² working area****, a maximum lifting height of ****19 m****, and a load capacity of ****3 tonnes****. Six high-strength hydraulic cylinders and a triangular support structure provide excellent stability, with a maximum span of ****9.2 m****.
- The crawler system offers strong traction, a large ground-contact area, and a travel speed of up to ****30 m/min****, making it suitable for hills, sand, rain, and snow.
- A ****13.5 m, 5-tonne truck-mounted crane**** is included as standard. Its high-strength octagonal boom provides stable, durable, and efficient lifting support.

Performance Section

Intelligent Safety · High-Altitude Protection

- The machine features a ****German Bosch control system**** for stable operation, precise hydraulic control, and fast fault diagnosis.
- Two-stage outriggers provide a maximum span of ****9.2 m****, improving stability and adaptability on slopes and sandy ground.
- The platform reaches full height in ****4 minutes****, with synchronized lifting, intelligent limit protection, and smooth operation for enhanced safety.
- A ****1.3 m toolbox****, reserved ****380V three-phase power supply****, remote control, and wide operating visibility make construction safer and more convenient.

Equipment Specifications	
Item	Parameter
Equipment Steel Plate Material	T700 High-Strength Steel
Equipment Structural Steel Material	T700 High-Strength Steel
Crawler Chain	190 mm Pitch
Travel Motor	TM40; Torque: 45,000 N·m
Diesel Engine	120 HP Yuchai Diesel Engine
Hydraulic Pump	Variable Piston Pump & Kawasaki Tandem Pump
Hydraulic Pump Motor	Two 11 kW Motors
Hydraulic Hose	Bright Zinc-Plated High-Pressure Steel Oil Pipes
Main Control Valve	Load-Sensing Solenoid Valve
Rated personnel load capacity	15 persons capacity

Physical Parameters of Main Structure	
Wind Resistance: Level 4	Platform Load Capacity: 3 tonnes
Machine Dimensions: 13.5 × 2.8 × 3.2 m	Machine Weight: 28.5 tonnes Lifting Height: 19 m
Maximum Platform Span: 12 × 9.5 m	Outrigger Span: 6.4 × 7 m

