HAMAC

Explore Cement Concrete Slipform Technology
Provide users with complete solutions

Become a technologically innovative enterprise trusted
by the industry and with unique value

ZHENGZHOU HAMAC AUTOMATION EQUIPMENT CO., LTD

NC600 Multifunctional Slipform Paver

PRODUCT OVERVIRW

NC600 multifunctional slipform paver is a multi-purpose cement concrete construction equipment independently developed by our company. It can be used for multiple purposes, and can realize multiple mold configurations. It is widely used in the field of cement concrete structures such as small road drains, gutters, kerbs, shoulder stones, etc., replacing the traditional technology and significantly improving the construction quality and speed of cement concrete structures.

The machine has large power reserve, full electronic control, full hydraulic power drive, proportional control, front track walking and steering, and is equipped with automatic steering and automatic leveling control system to complete the rapid molding of cement concrete structures at one time.

MAIN TECHNICAL PARAMETERS

PROJECT	UNIT	PARAMETER
Maximum side bunk height	mm	600
Maximum paving width	mm	600
Paving speed	m/min	0-15
Driving speed	m/min	0-22
Engine model	/	(customizable) YCF3050-T302
Engine power	kw	36.8
Minimum turning radius	mm	3500
Outrigger hydraulic lifting stroke	mm	430
Auger speed	r/min	0-60
Auger conveying device dimensions	mm	1600
Vibrator interface	个	2
Vibrator frequency	hz	0-200
Diesel tank	L	100
Hydraulic tank	L	100
Water tank	L	158
Track size（L×W×H）	mm	1340×300×514
Shipping dimensions（L×W×H）	mm	4200×2500×2100
Weight (unladen)	kg	3200

PERFORMANCE CHARACTERISTICS

One machine is multi-functional. By changing various molds and accurately adjusting and controlling the vehicle state, accurate slipform paving of cement concrete structures such as small road drains, gutters, kerbs and shoulder stones can be realized.

Front crawler walking, hydraulic drive, proportional control two-speed motor and large speed ratio planetary gear reducer ensure paving stability and improve slipform paving quality; The steering ratio of the front track is controlled, and the steering is accurate.

The engine power is strong; The hydraulic system adopts load-sensitive variable control, and supplies oil according to the actual load size and speed, with low oil consumption, energy saving and environmental protection.

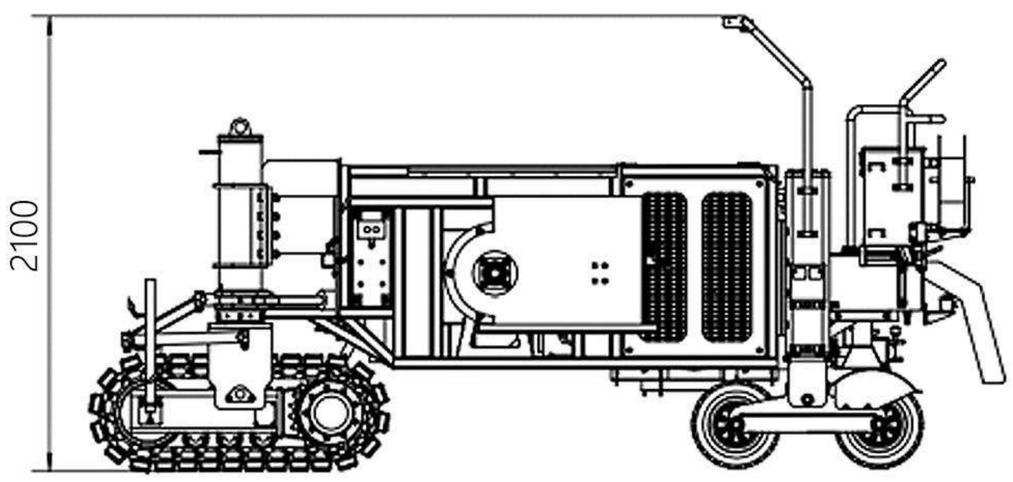
The humanized design of the operation console, the man-machine interactive control screen and the clear graphical identification symbols make the paver easy to operate.

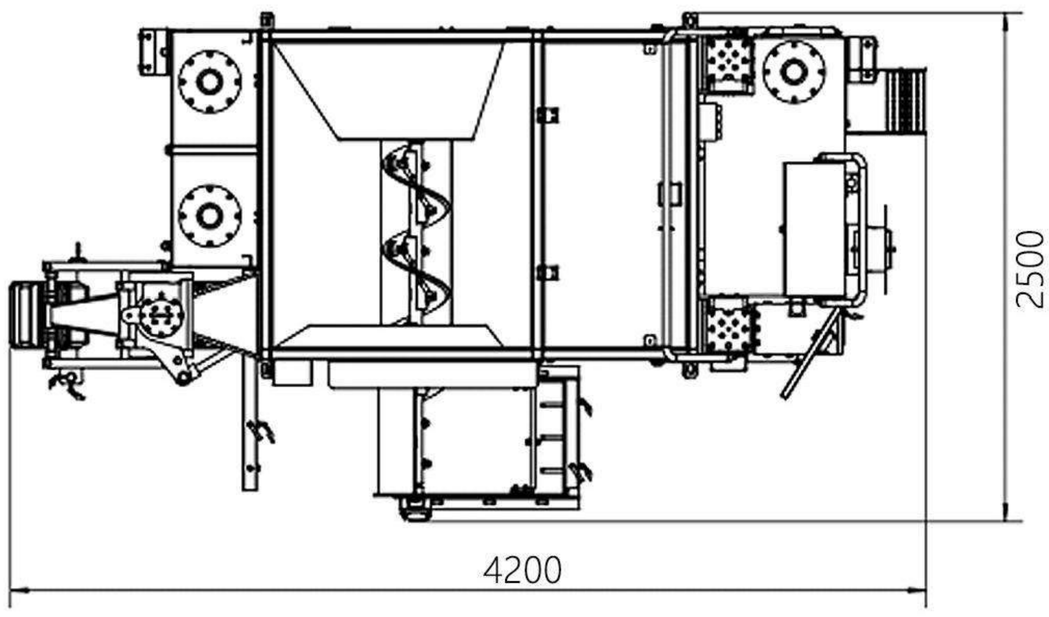
MAIN PERFORMANCE FEATURES

Hydraulic proportional control is adopted for steering lifting, and two longitudinal slope sensors, one transverse slope sensor and one steering sensor are configured to improve the response speed and stability of the equipment and ensure accurate linear control.

Auger conveying device is suitable for various working conditions and can realize the secondary mixing of cement concrete.

MACHINE OVERALL SIZE

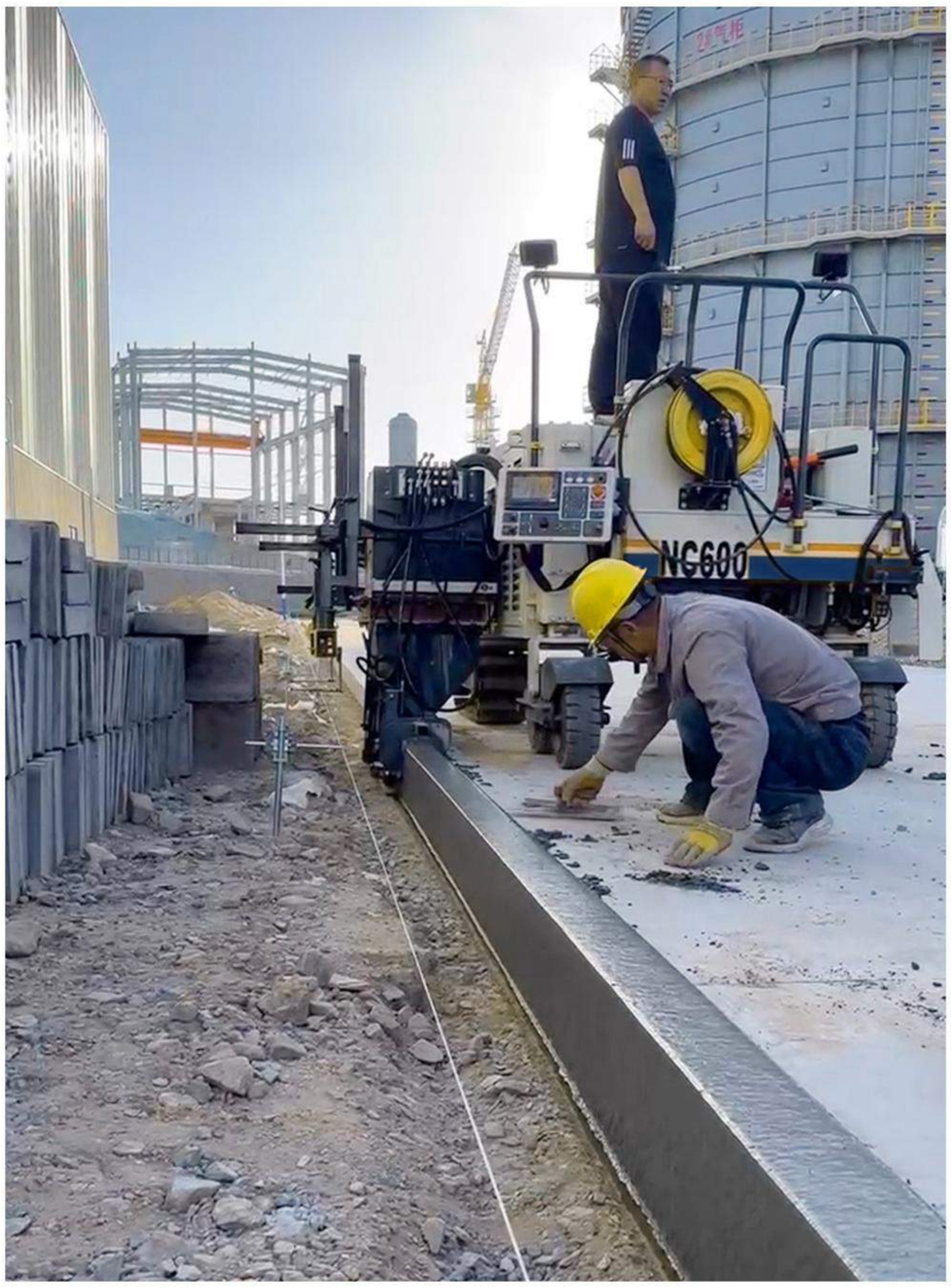




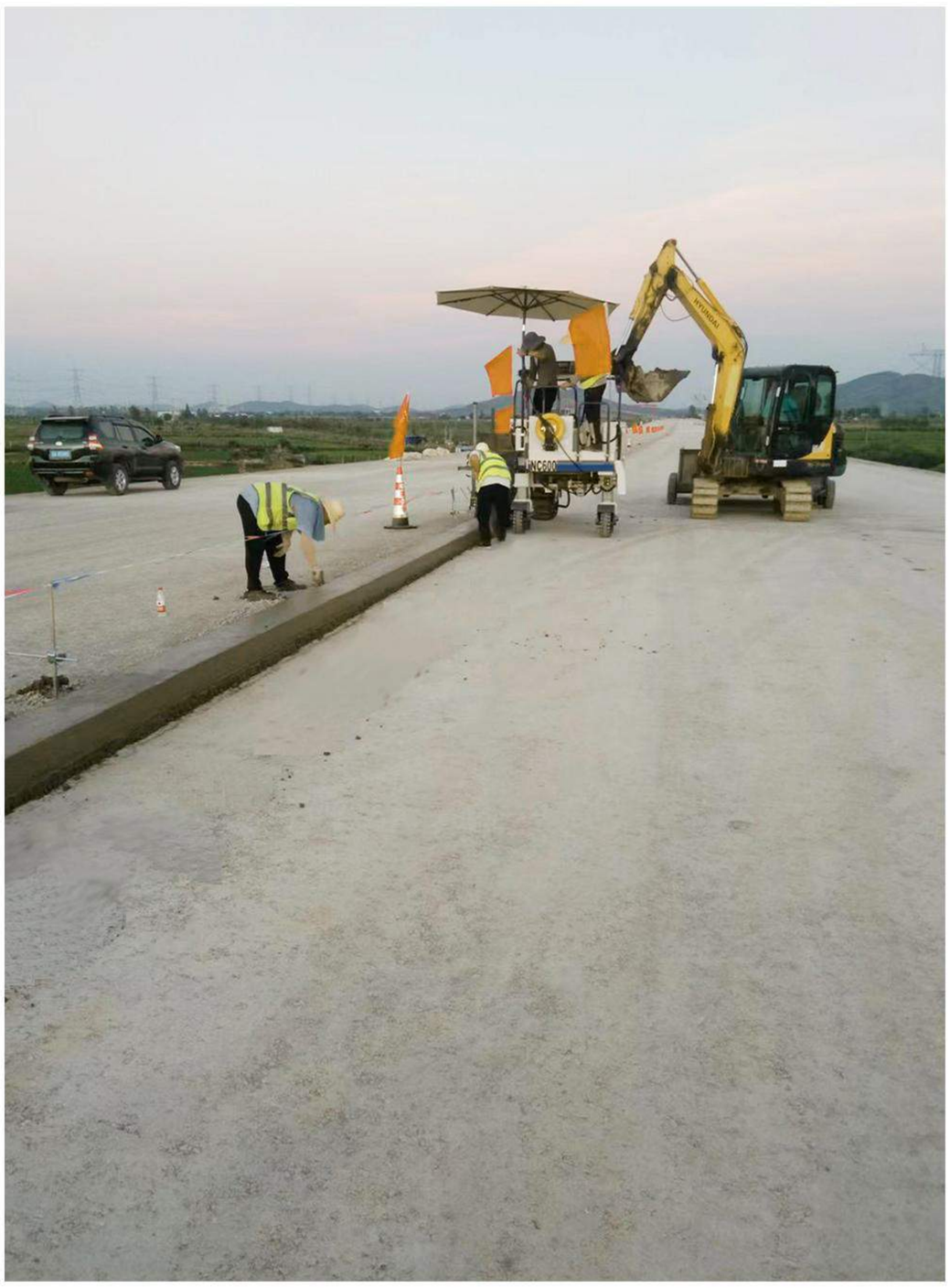
CONSTRUCTION CASE

Slipform construction of Alashan shoulder in Inner Mongolia

Slipform construction of kerb in Ejinaqi, Inner Mongolia



Slip form construction of curb stone in factory area of Wuhai City, Inner Mongolia



Slip form construction of curb stones in Hefei City, Anhui Province

Slipform construction of kerb of Yuanyang Expressway in Henan Province

Slipform construction of small low wall in Maoming, Guangdong Province

NC1300S Multifunctional Slipform Paver

PRODUCT OVERVIRW

NC1300S multifunctional slipform paver is a multi-purpose cement concrete construction equipment independently developed by our company. It has multiple functions and can realize various mold configurations. It is widely used in the construction fields of road drainage ditches, drainage ditches, kerbs, shoulder stones, concrete guardrail cement concrete structures and farmland water conservancy canals, replacing the traditional technology and significantly improving the construction quality and speed of cement concrete structures.

The machine has large power reserve, full electronic control, full hydraulic power drive, proportional control, three-track walking and front-track steering, and is equipped with automatic steering and automatic leveling control system to complete the rapid molding of cement concrete structures at one time.

MAIN TECHNICAL PARAMETERS

PROJECT	UNIT	PARAMETER
Maximum side bunk height	mm	1300
Maximum paving width	mm	2000
Paving speed	m/min	0-15
Driving speed	m/min	0-35
Engine model	/	YCF36125-T482
Engine emissions	/	China Stage IV
Engine power	kw	92
Minimum turning radius	mm	4200
Outrigger hydraulic lifting stroke	mm	915
Mechanical adjustment stroke of outriggers	mm	280
Auger speed	r/min	0-80
Auger conveying device dimensions	mm	3700
Vibrator interface	个	6
Vibrator frequency	hz	0-200
Mold fixture horizontal travel	mm	1000
Mold fixture vertical stroke (double cylinder)	mm	360
Mold fixture mechanical vertical travel	mm	240
Diesel tank	L	360
Hydraulic tank	L	240
Water tank	L	360
Track size（L×W×H）	mm	1600×300×630
Shipping dimensions（L×W×H）	mm	6800×2650×3000
Weight (unladen)	kg	13000

PERFORMANCE CHARACTERISTICS

One machine has multiple functions. By changing various molds and accurately adjusting and controlling the state of vehicles, accurate slipform paving of road drains, gutters, kerbs, shoulder stones, concrete guardrails and irrigation canals can be realized.

Three-track walking, independent hydraulic drive, proportional control of two-speed motor and planetary gear reducer, closed-loop control of paving speed and PID adjustment ensure the stability of low-speed paving and improve the quality of slipform paving; The front track steering device is equipped with a displacement sensor, which ensures accurate steering.

The engine power is strong, which meets the national phase IV emission standard; The hydraulic system adopts load-sensitive variable control, and supplies oil according to the actual load size and speed, with low oil consumption, energy saving and environmental protection.

MAIN PERFORMANCE FEATURES

The humanized design of the operation console, the man-machine interactive control screen and clear graphical identification symbols make the paver easy to operate. It is equipped with Internet of Things platform, construction management and monitoring system and optional remote control device.

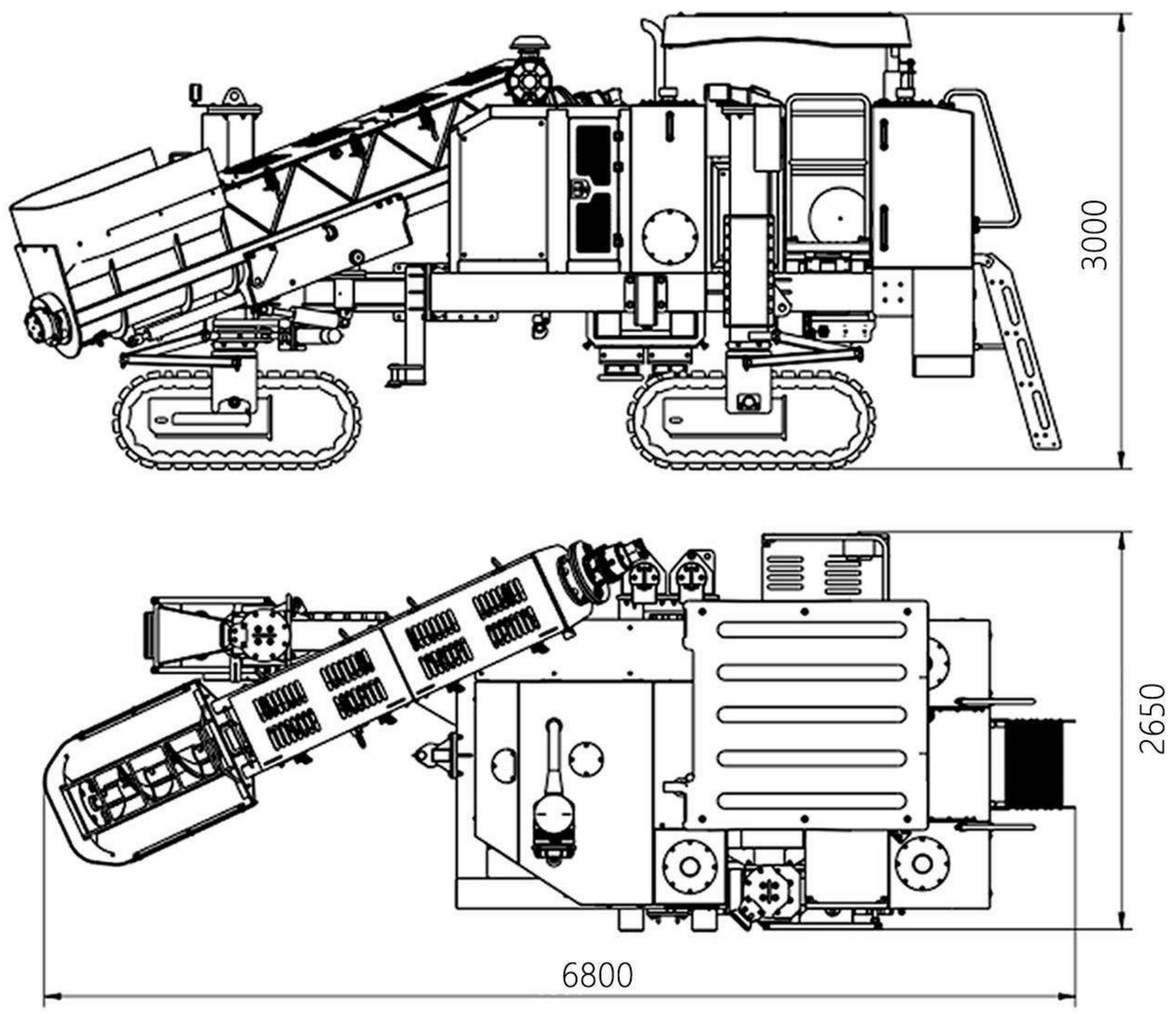
Hydraulic proportional control is adopted for steering lifting, and two longitudinal slope sensors, a steering sensor and an inclination sensor are configured. The sensors and the controller communicate by CAN bus, which improves the response speed and stability of the equipment, ensures accurate linear control and realizes superimposed paving.

According to the requirements of working conditions, right paving and middle paving can be realized; The mold fixing device adopts hydraulic horizontal and vertical bidirectional adjustment, which can quickly replace various molds.

The inclination and expansion of the auger conveying device are adjusted by hydraulic pressure, which is convenient to operate and suitable for various working conditions; The storage space is large, and the secondary mixing of cement concrete can be realized.

The structure of the whole machine is compact, which can meet the needs of container transportation.

MACHINE OVERALL SIZE



CONSTRUCTION CASE

Slipform Construction of New Jersey Guardrail of Karachi Kramp-Karrenbauer Lahore Expressway in Pakistan

Sliding mode construction of anti-collision guardrail of Luohe bridge in Henan Province

Slipform construction of kerb renovation in Guigang, Guangxi

Slipform Construction of Curb Stone in Dream Park of Alxa League, Inner Mongolia

Slipform construction of hard shoulder in Jiayuguan, Gansu Province

Slipform construction of Escape Room: Tournament of Champions meter wide shoulder of Dunhuang-Liuge Expressway in Gansu Province

Slipform construction of drainage ditch of Renbo Expressway in Guangzhou

Slipform construction of high-speed lateral milling and planing and butterfly-shaped side ditch in Suhuaiyan

NC1600 Multifunctional Slipform Paver

PRODUCT OVERVIRW

NC1600 multifunctional slipform paver is a multi-purpose cement concrete construction equipment independently developed by our company. It can be used for multiple purposes, and can realize various mold configurations. It is widely used in the construction fields of road drainage ditches, drainage ditches, kerbs, shoulder stones, concrete guardrail cement concrete structures and farmland water conservancy canals, replacing the traditional technology and significantly improving the construction quality and speed of cement concrete structures.

The machine has large power reserve, full electronic control, full hydraulic power drive, proportional control, three-track walking and independent steering, which can realize left and right side paving and middle paving. It is equipped with automatic steering and automatic leveling control system to complete the rapid molding of cement concrete structures at one time.

MAIN TECHNICAL PARAMETERS

PROJECT	UNIT	PARAMETER
Maximum side bunk height	mm	1600
Maximum paving width	mm	2500
Paving speed	m/min	0-15
Driving speed	m/min	0-35
Engine model	/	YCF36125-T482
Engine emissions	/	China Stage IV
Engine power	kw	92
Minimum turning radius	mm	4400
Outrigger hydraulic lifting stroke	mm	970
Mechanical adjustment stroke of outriggers	mm	300
Auger speed	r/min	0-70
Auger conveying device dimensions	mm	4400
Vibrator interface	个	7
Vibrator frequency	hz	0-200
Mold fixture horizontal travel	mm	1000
Mold fixture vertical stroke (double cylinder)	mm	360
Mold fixture mechanical vertical travel	mm	240
Diesel tank	L	360
Hydraulic tank	L	240
Water tank	L	360
Track size（L×W×H）	mm	1600×300×630
Shipping dimensions（L×W×H）	mm	7100×2900×3000
Weight (unladen)	kg	14000

PERFORMANCE CHARACTERISTICS

One machine has multiple functions. By changing various molds and accurately adjusting and controlling the state of vehicles, accurate slipform paving of road drains, gutters, kerbs, shoulder stones, concrete guardrails and irrigation canals can be realized.

Three-track walking, independent hydraulic drive, proportional control of two-speed motor, planetary gear reducer with large speed ratio, closed-loop control of paving speed and PID adjustment to ensure the stability of low-speed paving and improve the quality of slipform paving; The three-track steering device is equipped with a displacement sensor, which can walk crab-like and coordinate steering, and has a small turning radius to ensure the equipment to be in place quickly.

The engine power is strong, which meets the national phase IV emission standard; The hydraulic system adopts load-sensitive variable control, and supplies oil according to the actual load size and speed, with low oil consumption, energy saving and environmental protection.

MAIN PERFORMANCE FEATURES

The humanized design of the operation console, the man-machine interactive control screen and clear graphical identification symbols make the paver easy to operate. It is equipped with Internet of Things platform, construction management and monitoring system and optional remote control device.

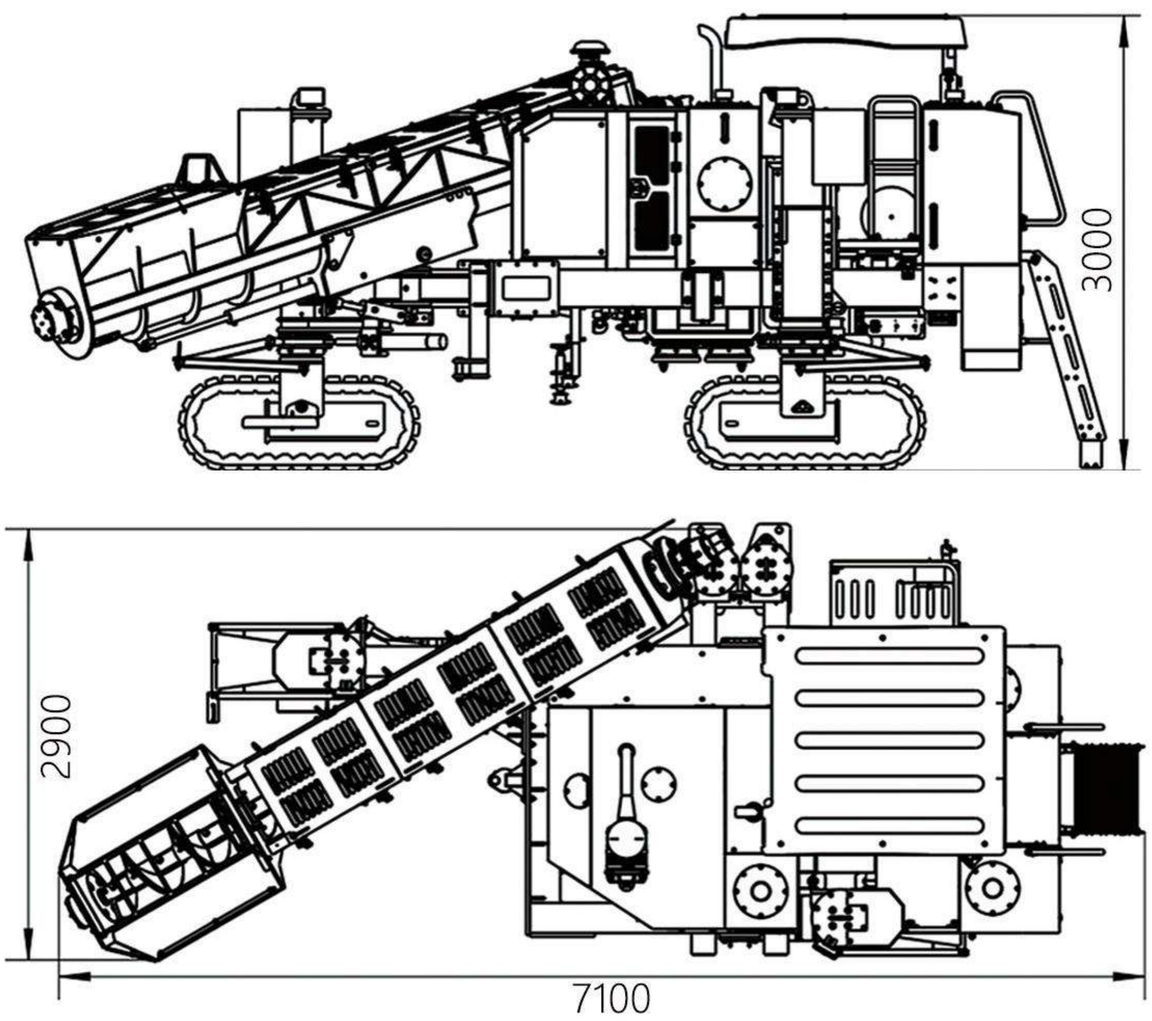
Hydraulic proportional control is adopted for steering lifting, and two longitudinal slope sensors, one inclination sensor and two steering sensors are configured. The sensors and the controller communicate by CAN bus, which improves the response speed and stability of the equipment, ensures accurate linear control and realizes superimposed paving.

According to the requirements of working conditions, it can realize left and right side paving and middle paving; The mold fixing device adopts hydraulic horizontal and vertical bidirectional adjustment, which can quickly replace various molds.

The inclination and expansion of the auger conveying device are adjusted by hydraulic pressure, which is convenient to operate and suitable for various working conditions; The storage space is large, and the secondary mixing of cement concrete can be realized.

The structure of the whole machine is compact, which can meet the needs of container transportation.

MACHINE OVERALL SIZE



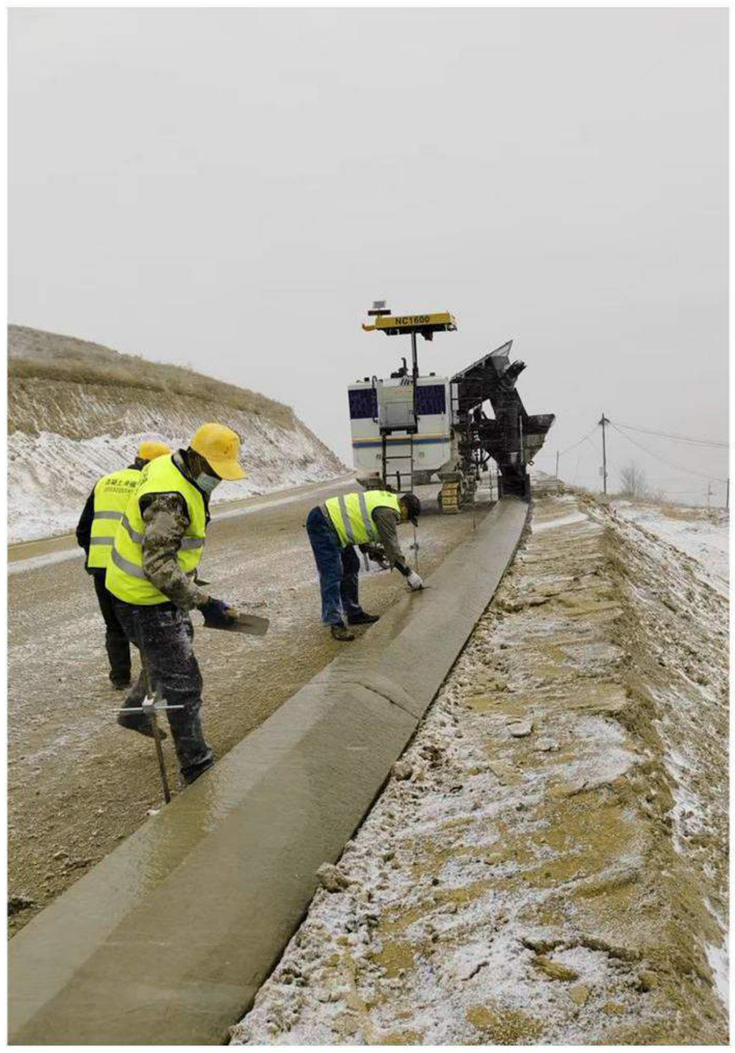
CONSTRUCTION CASE

Slipform construction of drainage ditch in wuzhong, Ningxia

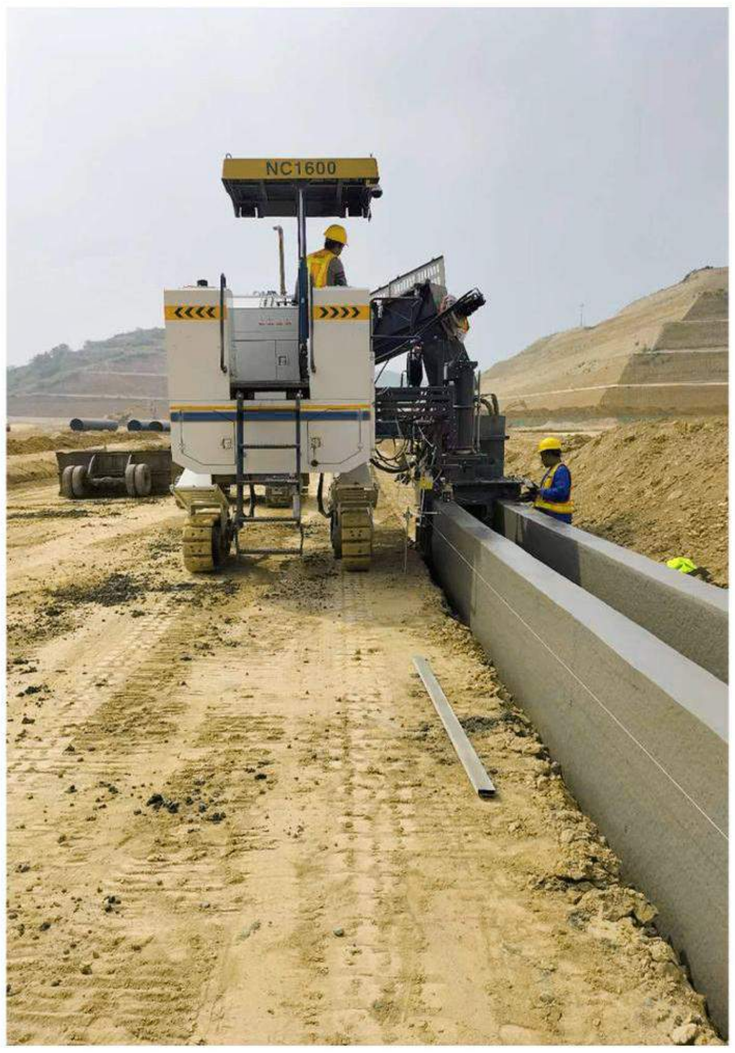
Sliding form construction of drainage ditch in Yushu City, Qinghai

Slipform construction of 1.8 m high crash barrier test section

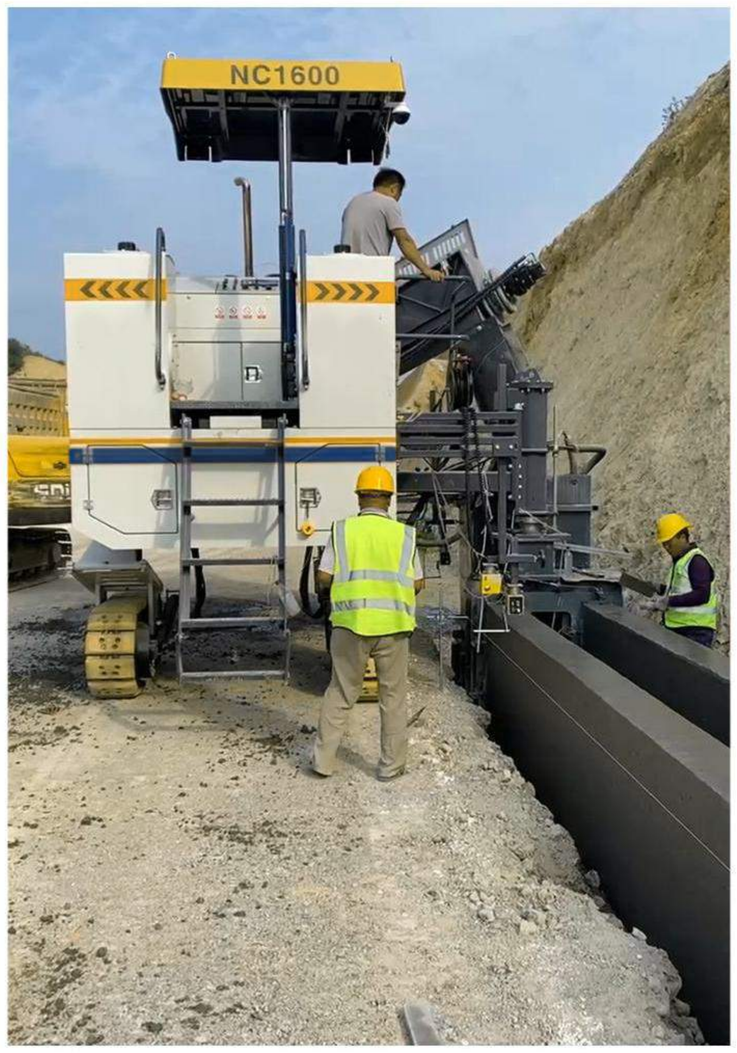
Sliding form construction of anti-collision guardrails in Sansui County, Qiandongnan Miao and Dong Autonomous Prefecture, Guizhou



Sliding form construction of road shoulder in Yangquan City, Shanxi



Sliding form construction of drainage ditch in Jiaokou County, Luliang City, Shanxi Province



Slipform construction of drainage ditch in Linfen, Shanxi

NC1800 Multifunctional Slipform Paver

PRODUCT OVERVIRW

NC1800 multifunctional slipform paver is a multi-purpose cement concrete construction equipment independently developed by our company. It can be used for multiple purposes, and can realize various mold configurations. It is widely used in the construction fields of road drainage ditches, drainage ditches, kerbs, shoulder stones, concrete guardrail cement concrete structures and farmland water conservancy canals, replacing the traditional technology and significantly improving the construction quality and speed of cement concrete structures.

The machine has large power reserve, full electronic control, full hydraulic power drive, proportional control, three-track walking, independent steering, and the position of the track can be freely switched, which can realize right-side paving and middle-position paving. It is equipped with automatic steering and automatic leveling control system to complete the rapid molding of cement concrete structures at one time.

MAIN TECHNICAL PARAMETERS

PROJECT	UNIT	PARAMETER
Maximum side bunk height	mm	1800
Maximum paving width	mm	3000
Paving speed	m/min	0-10
Driving speed	m/min	0-28
Engine model	/	QSB3.9-C130-30
Engine emissions	/	China Phase III
Engine power	kw	97
Minimum turning radius	mm	4600
Outrigger hydraulic lifting stroke	mm	1120
Mechanical adjustment stroke of outriggers	mm	500
Right front outrigger swing range	mm	680
Left front outrigger telescopic travel	mm	1100
Rear outrigger telescopic travel	mm	710
Auger speed	r/min	0-70
Auger conveying device dimensions	mm	4400
Vibrator interface	个	8(Optional 10)
Vibrator frequency	hz	0-200
Mold fixture horizontal travel	mm	1000
Mold fixture vertical stroke (double cylinder)	mm	360
Mold fixture mechanical vertical travel	mm	240
Diesel tank	L	360
Hydraulic tank	L	410
Water tank	L	310
Track size（L×W×H）	mm	1600×300×630
Shipping dimensions（L×W×H）	mm	7260×3000×3000
Weight (unladen)	kg	15000

PERFORMANCE CHARACTERISTICS

One machine has multiple functions. By changing various molds and accurately adjusting and controlling the state of vehicles, accurate slipform paving of road drains, gutters, kerbs, shoulder stones, concrete guardrails and irrigation canals can be realized.

Three-track walking, independent hydraulic drive, proportional control of two-speed motor, planetary gear reducer with large speed ratio, closed-loop control of paving speed and PID adjustment to ensure the stability of paving speed and improve the quality of slipform paving; The three-track steering device is equipped with a displacement sensor, which can walk crab-like and coordinate steering, and has a small turning radius to ensure the equipment to be in place quickly.

MAIN PERFORMANCE FEATURES

The engine power is strong; The hydraulic system adopts load-sensitive variable control, and supplies oil according to the actual load size and speed, with low oil consumption, energy saving and environmental protection.

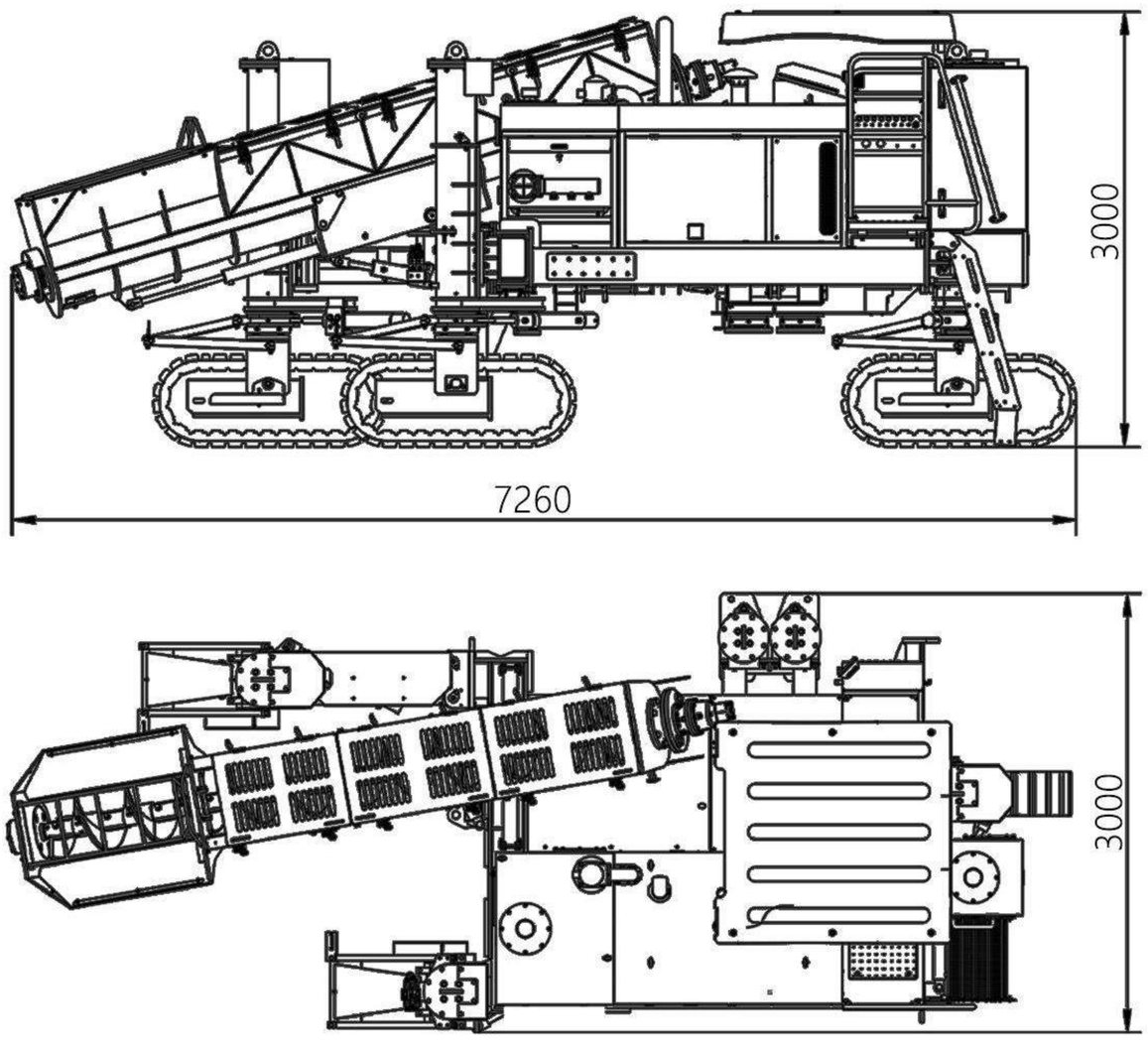
The humanized design of the operation console, the man-machine interactive control screen and clear graphical identification symbols make the paver easy to operate. It is equipped with Internet of Things platform, construction management and monitoring system and optional remote control device.

Hydraulic proportional control is adopted for steering lifting, and two longitudinal slope sensors, one transverse slope sensor and two steering sensors are configured. The sensors and the controller communicate by CAN bus, which improves the response speed and stability of the equipment, ensures accurate linear control and realizes superimposed paving.

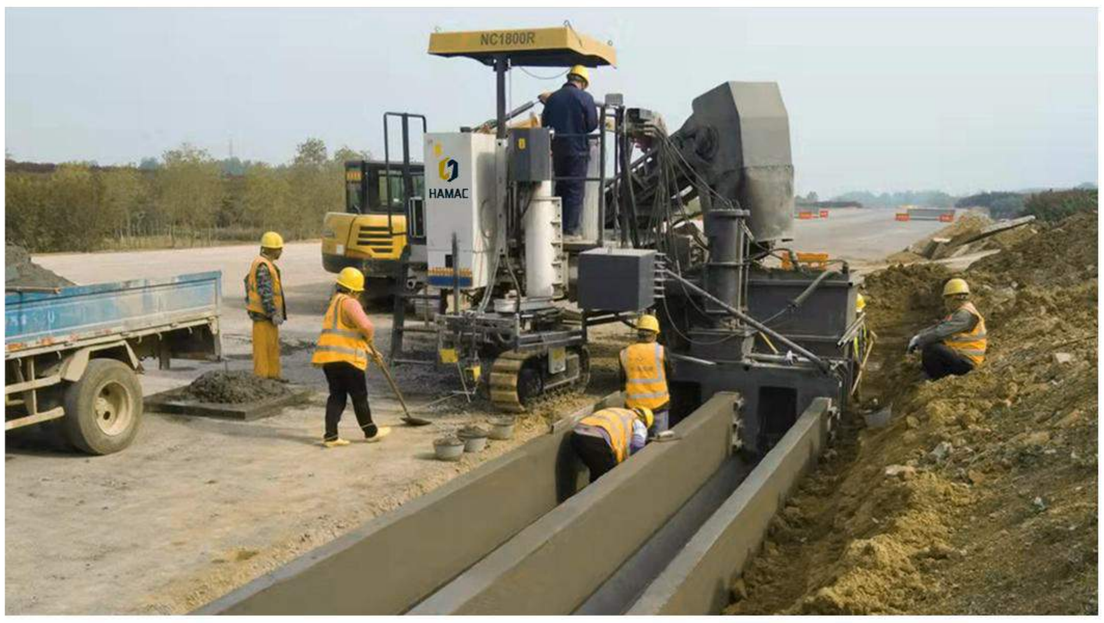
According to the requirements of working conditions, right paving and middle paving can be realized; Hydraulic adjustment of the inner and outer swing of the right front leg and the expansion and contraction of the left front leg and the rear leg has stronger adaptability; The mold fixing device adopts hydraulic horizontal and vertical bidirectional adjustment, which can quickly replace various molds.

The swing, inclination and expansion of the auger conveying device are adjusted by hydraulic pressure, which is convenient to operate and suitable for various working conditions; The storage space is large, and the secondary mixing of cement concrete can be realized.

MACHINE OVERALL SIZE



CONSTRUCTION CASE



Slipform construction of rain sewage drainage ditch in Hefei, Anhui Province

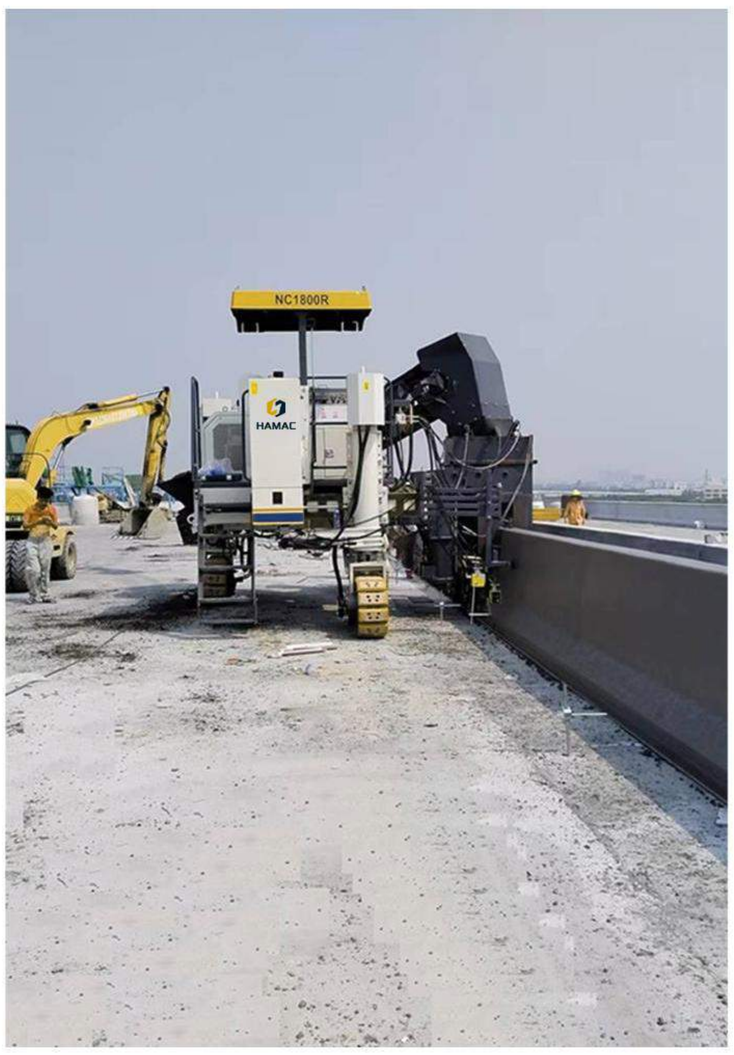
Slipform construction of retaining wall in Yuanping, Xinzhou, Shanxi

Slipform construction of large retaining wall in Jiuzhi, Qinghai Province

Slipform construction of rain sewage drainage ditch in Hefei, Anhui Province

Slipform construction of anti-collision guardrail in Xining Hydropower Station No.15, Qinghai Province

Slipform construction of drainage ditch in Guyuan, Ningxia



Slipform construction of collision barrier in Zhongshan, Guangdong Province

NC2100 Multifunctional Slipform Paver

PRODUCT OVERVIRW

The NC2100 multifunctional sliding form paver is a multi-purpose cement concrete construction equipment independently developed by our company. It can be used in various mold configuration methods and is widely used in the construction fields of road drainage ditches, drainage channels, curbs, shoulder stones, concrete guardrails, cement concrete structures, and agricultural water conservancy channels. It replaces traditional processes and significantly improves the construction quality and speed of cement concrete structures.

This machine has a large power reserve, fully electronic control, fully hydraulic power drive, proportional control, three track walking, equipped with automatic steering and automatic leveling control system, and can complete the process of vibration, paving, extrusion and molding of cement concrete structures in one go.

MAIN TECHNICAL PARAMETERS

PROJECT	UNIT	PARAMETER
Maximum side bunk height	mm	2100
Maximum paving width	mm	3200
Maximum center pave width	mm	5000
Paving speed	m/min	0-15
Driving speed	m/min	0-35
Engine model	/	B3.9CS4 150C
Engine emissions	/	China Stage IV
Engine power	kw	118
Minimum turning radius	mm	4850
Outrigger hydraulic lifting stroke	mm	1120
Mechanical adjustment stroke of outriggers	mm	500
Right front outrigger swing range	mm	815
Left front outrigger telescopic travel	mm	1100
Rear outrigger telescopic travel	mm	710
Auger speed	r/min	0-70
Auger conveying device dimensions	mm	4400
Vibrator interface	个	12
Vibrator frequency	hz	0-200
Mold fixture horizontal travel	mm	1000
Mold fixture vertical stroke (double cylinder)	mm	360
Mold fixture mechanical vertical travel	mm	240
Diesel tank	L	360
Hydraulic tank	L	440
Water tank	L	310
Track size（L×W×H)	mm	1960×300×630
Shipping dimensions（L×W×H)	mm	7450×3000×3000
Weight (unladen)	kg	16000

PERFORMANCE CHARACTERISTICS

One machine is versatile, achieving precise sliding mode paving of road drainage ditches, drainage channels, curbstones, shoulder stones, concrete guardrails, and agricultural water conservancy channels through the replacement of various molds and precise adjustment and control of vehicle conditions.

Three track walking, hydraulic independent drive, proportional control dual speed motor, super large ratio planetary gear reducer, closed-loop control of paving speed, PID adjustment, ensuring stability of paving speed and improving the quality of sliding mode paving; The three track steering device is equipped with displacement sensors, which can move in a crab like manner and coordinate steering. The turning radius is small, ensuring that the equipment is quickly positioned.

MAIN PERFORMANCE FEATURES

The engine has strong power and meets the national emission standards for Phase IV; The hydraulic system adopts load sensitive variable control, supplying oil according to the actual load size and speed, with low fuel consumption, energy conservation and environmental protection.

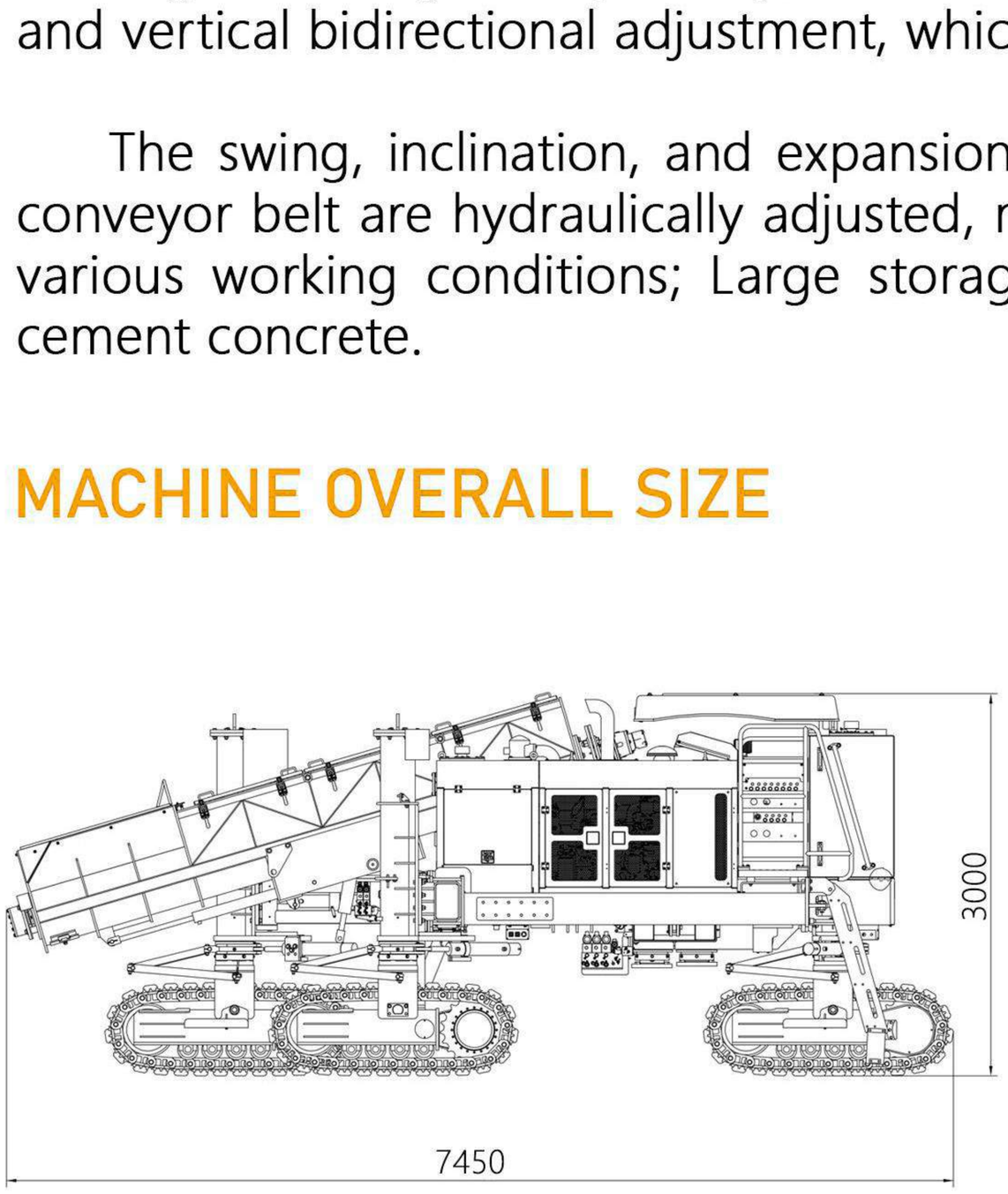
The user-friendly design of the operating platform, human-computer interactive control screen, and clear graphical identification symbols make the operation of the paver simple, easy, and free; Equipped with an IoT platform, equipped with a construction management and monitoring system, and optional remote control devices.

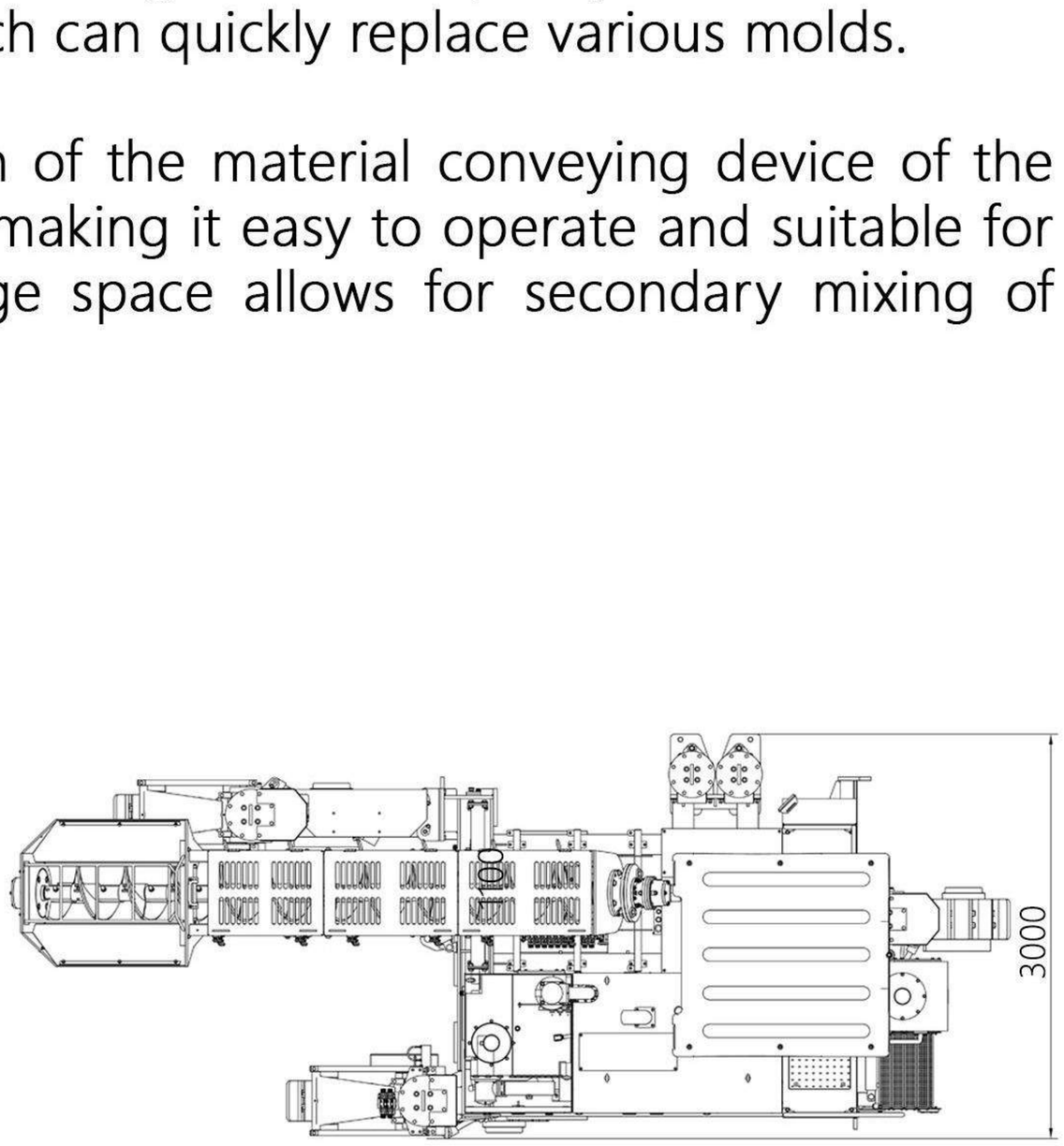
The steering lifting adopts hydraulic proportional control, and is equipped with two longitudinal slope sensors, one inclination sensor, and two steering sensors. The sensors and controller use CAN bus communication to improve the response speed and smoothness of the equipment, ensure precise linear control, and achieve stacked paving.

According to the working conditions, it can achieve right paving and middle paving; Hydraulic adjustment of the inner and outer swing of the right front leg, the extension and retraction of the left front leg, and the extension and retraction of the rear leg for stronger adaptability; The mold fixing device adopts hydraulic horizontal and vertical bidirectional adjustment, which can quickly replace various molds.

The swing, inclination, and expansion of the material conveying device of the conveyor belt are hydraulically adjusted, making it easy to operate and suitable for various working conditions; Large storage space allows for secondary mixing of cement concrete.

MACHINE OVERALL SIZE





CONSTRUCTION CASE

5-meter wide road paving construction at Ganqimaodu Port in Inner Mongolia Autonomous Region

Sliding form construction of 6-meter wide slope protection in Linhe District, Bayannur City, Inner Mongolia Autonomous Region

This product will continue to improve with technological advancement and is subject to modification without prior notice. If the sample picture does not match the actual product, the actual product shall prevail.

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