Emergency Rescue Demolition Robot

Overview

The demolition robot consists of a main body, a fire cannon, a demolition robot arm, a breaker, a remote control and other parts. It adopts a compact package structure design. It is a high-power operation equipment with long-distance remote control and fine operation capabilities. It is equipped with a terminal Flexible hydraulic wrist and multi-functional attachment. It can replace people to carry out all-round, long-distance controlled crushing, shearing, dismantling and other operations in dangerous and harsh environments such as toxic (pollution), flammable, explosive, prone to collapse, strong radiation, etc., greatly improving labor conditions and reducing costs. It is an indispensable intelligent equipment for construction operations in high-risk environments.

Product Advantages

High-efficiency new system design, high-power engine performance is better; equipped with high-performance accessories, work efficiency issignificantly improved; high maintainability, no downtime for maintenance throughout the year.

Highly adaptable multi-disciplinary integration, one machine with multiple functions; modular design, equippedwith

Equipped with a variety of attachments to quickly adapt to the different needs of customers. Intelligent

Flexible control can achieve precise fixed-point positioning; video surveillance + remote control, diversified operating methods; equipped with a high-protection controller to achieve multi-parameter integration.

Safe and reliable. High-performance shock absorption system is used to reduce impact load andbase load; it meets uninterrupted work and has reliable performance.

Energy-saving and environmentally friendlyhydraulic vibration crushing, silent and efficient; motor-driven, clean and energy-saving.

Technical parameters

Product Name	Demolition robot
Overall machine performance and complete vehicle equipment quality	
Weight	2600kg
walking speed	2.2/4.4km/h
Rotation speed	0-8rpm
gradeability	30°
Track width	230mm
Available tools	Hydraulic hammer, hydraulic shear, bucket, grabber, etc.
GeometryMinimum	
Transport height	1450mm
Minimum transport width	1080mm
Maximum working height	5450mm
Maximum working radius	5100mm
Maximum working depth	2600mm
Power system	
Model	YX3-200L
Power/speed	30kW@1470rpm
Rated torque	120Nm
Hydraulic system	
Main pump	Load Sensing Axial Piston Variable Pump
Output flow	0~90L/min
Main valve	Load feedback pressure compensated electro-hydraulic proportional multi-way valve
System rated pressure	18 MPa
hydraulic motor	NACHI °
Hydraulic tank volume	85L
Control system	
Control Device	portable remote control
Control method	wireless
Communication mode	Digital wired two-way communication based on CAN bus

Working diagram