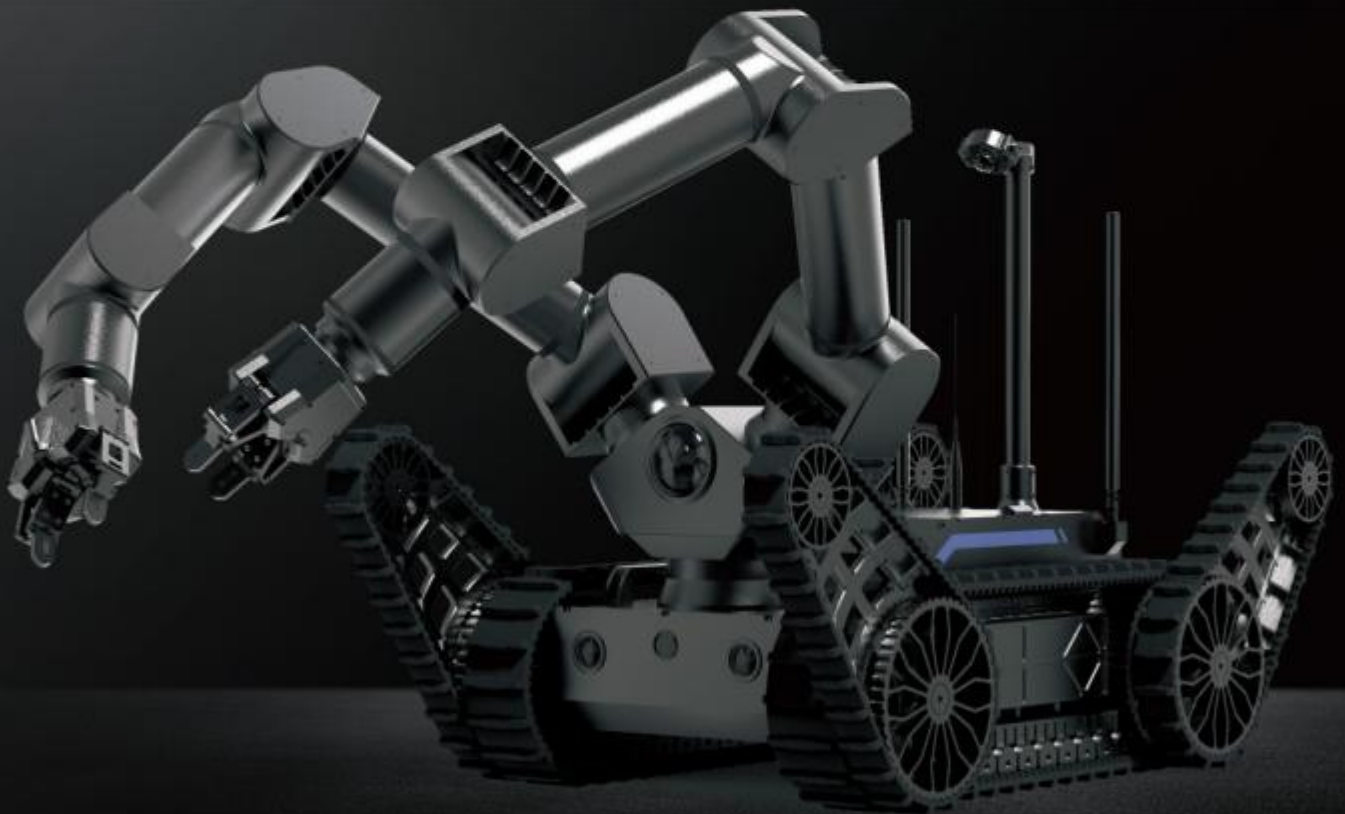


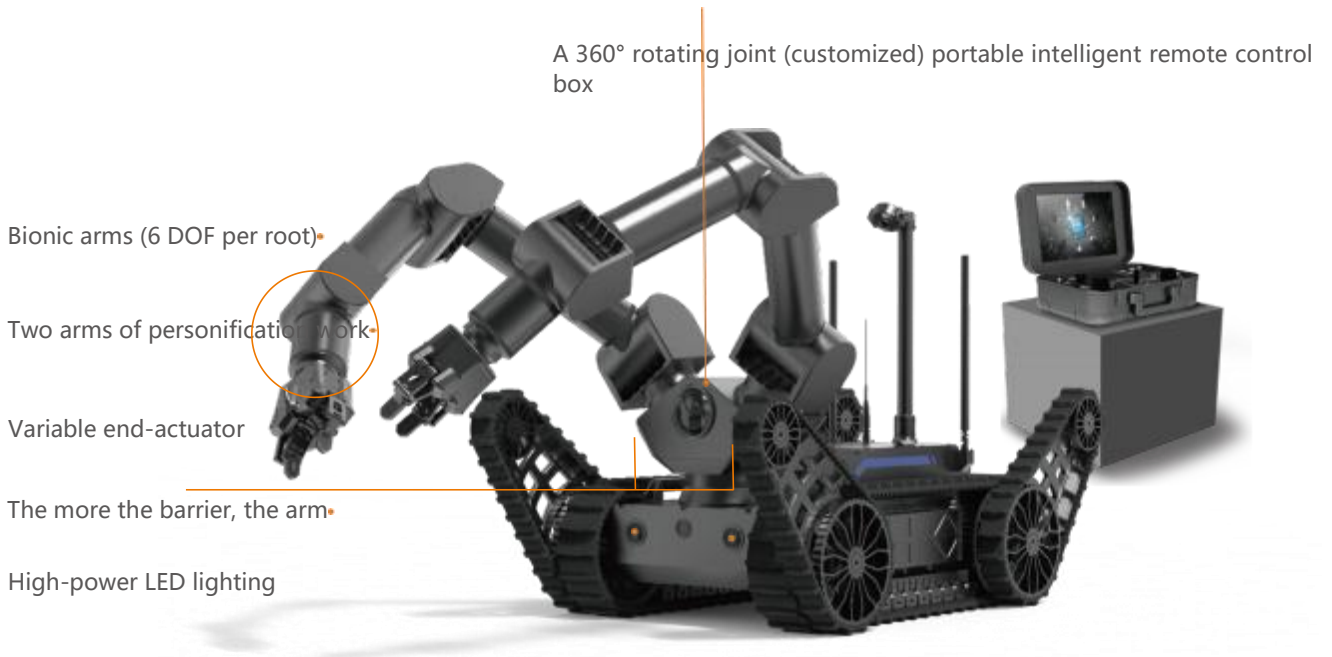
KT 100 two-arm working robot

Compact dexterity, arms coordinated, anthropomorphic
efficient, all-terrain suitable



Double-arm operation robot (model: KT 100) product introduction

KT 100 is a small size, light weight, easy operation, flexible two-arm operation robot. The robot is equipped with a 6-way HD camera and a 360° rotating swing arm system, which can detect the scene situation with full vision. With bionic design, it can realize the disassembly and operation of complex objects with 360° waist, greatly increase the working space, with high flexibility and practicability. The robot is equipped with a variety of end-execution tools, suitable for many scenarios, such as inspection, emergency rescue and unknown space exploration, to ensure the safety of front-line workers.



Compact structure, light body

Small size, light weight, easy loading
Fast deployment, quick response, mobility and flexibility



Arm collaboration, efficient and flexible

Two bionic design of high degree of freedom robotic arms two arms synergy, competent for more operational requirements



Intelligent control, man-machine collaboration

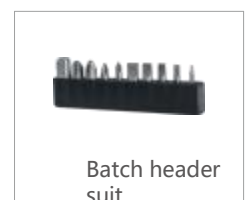
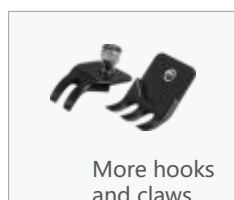
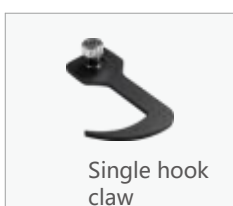
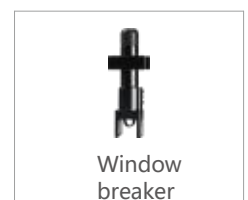
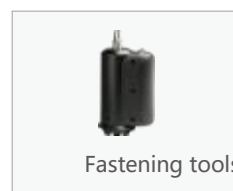
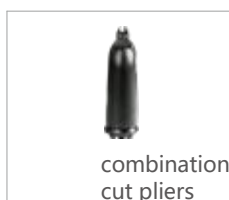
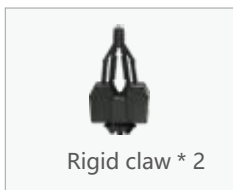
Operation monitoring screen has no dead corner, remote remote control
Intelligent linkage control, to support one-key operation



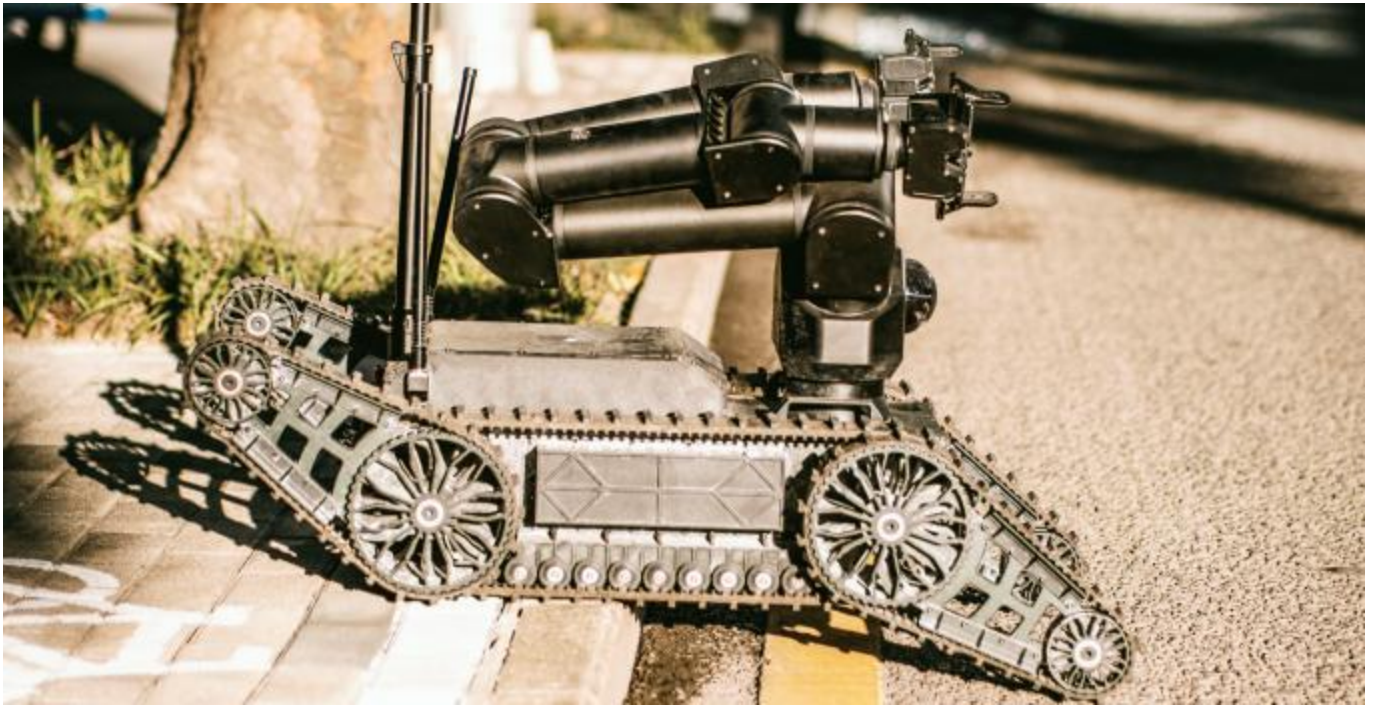
With lossless flexible ends

A variety of end tools are available
Customized and flexible ends, nondestructive operation objectives

Terminal execution tool



Solution



Maximum speed of 2 m/s

Light weight, compact shape, easy to transport, action
Flexible, fast deployment, and quick response

Strong obstacle crossing ability, all terrain suitable

Up and down the 35° slope, stairs, can cross the obstacles, across the ditch

Wide range of adaptation

Intelligent control

Intelligent linkage control of high degree of freedom mechanical arm, do Industry is efficient, suitable for performing emergency hazard tasks

More than 10 end tools

A multi-purpose machine, comprehensive function, to complete the security check, patrol check, detection, transfer, disposal and other operations

Both arms collaboration

Two arms cooperate to achieve the disassembly of complex objects
Operation, with extremely high flexibility and practicality

The wireless control distance is 200m

Man-machine integration, operation monitoring screen without dead Angle,

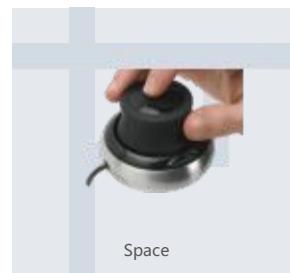
Far away remote control, to ensure the safety of the operators

Intelligent and customized robot system



Intelligent control system

- Visual cooperation work
- Immersive and remote operation
- Multi-sensor fusion control
- Remote big data assistance



Simple operation, high efficiency

- Space multi-dimensional joystick
 - High degree of freedom and intelligent real-time control
 - Independent developed collaborative control and motion compensation algorithm
- Ensure the sensitivity and accuracy

Application scenarios



Routing inspection



Medical emergency



Equipment
maintenance



Power operation
and maintenance



Emergency
Rescue



Safety
Inspection

technical specifications

Robot body and control box

outline dimension (mm)	L950*W650*H720	Climbing ability, stair ability	40 ° (inclined, slope, stair)
The weight of the machine	≤100kg	Continuous working hours	2 Hours
One-arm grip	5kg	Remote control	The wireless distance is 200m Wired control distance of 200m (optional)
Complete machine freedom	≤19DoF	cell	Rated voltage was 48V, and the charging time was <4h
movement speed	2 m/s, remote control variable speed	Control box size (mm)	L480*W400*H210
turning radius	Spin in place	The control box displays the image	6-way images of real-time display
The higher the barrier	200mm		

Systematic end execution tools

Rigid claw * 2	Can be equipped with multiple hook claw, single hook claw, blade and other execution tools	Flexible claw * 2	Adaptive; power off self-locking; add execution tools
Multi-hook, single hook, blade	Execute tools	combination cut pliers	Shear the wire rope and wire mesh within 5mm
Fastening tools	For a sizes of sizes	Batch header suit	Multiple size approvals
Window breaker	Applicable for broken window detection and rescue	electric torch	Suitable for observation in the dark environment Terminal operation