



ART-Robot

Characteristics

MEASURES	
Length	1.710 mm.
Width	670 mm.
Height	1.350 mm.
Total weight	904 Lb.

FRAME MEASURES	
Length	1.600 mm.
Width	470 mm.
Height	450 mm.



MATERIALS	
High strength steel	
Arm section dimensions (mm.)	1.060 - 625 - 700 - 470
Extended arm total length	3.500 mm.
Effective Lenth from de front end of the tractor frame	2.150 mm.



ARM VERTICAL RANGE
From the floor to 3.800 mm. high.
Fully articulated arm supported by means of a turret with limited tum motion of 30°.
Arm with 4 joints in free vertical motion.

OPERATION TECHINCAL DATA	
Operation time without charge	4 h.
Handling	Remote Control

HANDLING INTERFACE
By means of dedicated console PC based with Joystick and special controls. Flat screen image and functions presentation. Wireless communications or cable signal carrier.

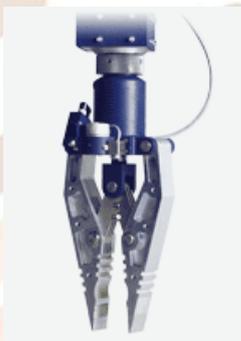
DRIVE	
By means of double rubber belt.	
Wheel traction force	1.649 Lb.
Weight lift capacity with fully extended arm	265 Lb.
Weight lift capacity with fully extended arm	441 Lb.

MULTIFUNCTION PINCERS	
Forward force	1.100 Lb.
Opening force	12.717 Lb.
Closing force	8.573 Lb.



SPECIAL COUPLING TO ADAPT
Disruptors guns, shoot gun. Several special pincers for cutting, carrying, pulling and even to destroy objects.

IMPLEMENTED TECHNOLOGICAL DEVICES
Electro hydraulic operation. 4 high-resolution video cameras and 2 more possibility. 2 camera with position control and zoom. 4 high efficiency led array. High precision motion control.



CLAW

The intricate design of the claw, and its extraordinary precision and resilience, means it can deal with anything from the most delicate operations to a destructive force of over 5000 Kg.

The claw rotates 360°, and with its smooth and precise movements can handle the most complex and delicate tasks.

It also supports auxiliary components such as X-ray inspection systems, disruptors, cutting or hydrocutting devices...etc.



CONTROL PANEL

The ART-Robot vehicle is controlled entirely via a laptop and joystick. The human-machine interface has been studied in detail in order to develop the relevant control programme.

All functions can be accessed with the joystick, practically using just one hand.

The screen can be used to show both the machine's operational conditions and the images relayed from its on-board cameras, at the same time.

A resistant case-style container facilitates the collection of items and easy transport of these.

TRANSPORT VEHICLE

A vehicle duly adapted for transporting ART-Robot, serving as logistical support for bomb disposal and NRBC operations.

ACCESORIOS

ART-Robot can be used with the necessary accessories for EOD (Explosive Ordinance Disposal) and NRBC, X-ray inspection systems, disruptive canons, hydrocutting devices, shotgun etc...



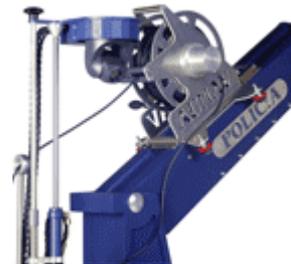
disruptor canyon



rifle robot fitted



X RAYS checkup systems



cable system control