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Matilda

Developer	Mesa Associates
Time Frame	1999
How many were built?	10
How much does one cost?	$25,000

Matilda

Length (cm)	66.04
Width (cm)	50.8
Height (cm)	30.48
Base Vehicle Weight (empty) (kg)	18.14
Payload capacity (kg)	Optional attachments include a small trailer (181 kg capacity)
Power Source	N/A
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	Track
Unique Features	Manipulator arm and remotely detachable breaching mechanism that allows explosive charges to be attached to a door / wall

TAGS-DM

Developer	Autonomous Solutions, Inc.
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

TAGS-DM

Length (cm)	300
Width (cm)	191
Height (cm)	114
Base Vehicle Weight (empty) (kg)	1384
Payload capacity (kg)	1090
Power Source	Turbo Charged Diesel
Power (kW)	45
Max. Speed	32 km/h
Method of propulsion	Track
Unique Features	The DVS drive system eliminates the need for chains, sprockets, chain tension idlers, transmissions, belts, gears, and long axles.

Deployable Universal Combat Earthmover (DEUCE)

Developer	N/A
Time Frame	N/A
How many were built?	184+ more being built
How much does one cost?	N/A

Deployable Universal Combat Earthmover (DEUCE)

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	N/A
Payload capacity (kg)	N/A
Power Source	Caterpillar 3126 hydraulic electronic unit injector engine
Power (kW)	138 in earthmoving mode; 200 in self-deploy mode
Max. Speed	30 mph
Method of propulsion	Track
Unique Features	

Pioneer 2-AT

Developer	ActivMedia Robotics
Time Frame	N/A
How many were built?	N/A
How much does one cost?	$5,500

Pioneer 2-AT

Length (cm)	51
Width (cm)	46
Height (cm)	27
Base Vehicle Weight (empty) (kg)	10.8
Payload capacity (kg)	230
Power Source	7 Ah Lead Acid Batteries
Power (kW)	
Max. Speed	4.23 km/h
Method of propulsion	Wheels, 4x4
Unique Features	

PackBot: Matilda

Developer	iRobot
Time Frame	2000-2005
How many were built?	N/A
How much does one cost?	N/A

PackBot: Matilda

Length (cm)	30 cm
Width (cm)	53 cm
Height (cm)	30 cm
Base Vehicle Weight (empty) (kg)	28 kg
Payload capacity (kg)	68 kg
Power Source	4 NimH Batteries
Power (kW)	N/A
Max. Speed	13 km/hr
Method of propulsion	Tracks
Unique Features	Can withstand a drop from 6 ft onto solid concrete.

Cougar

Developer	COoperative
Time Frame	Phase I completed February 2001
How many were built?	Still in Development
How much does one cost?	N/A

Cougar

Length (cm)	≈274.32 cm
Width (cm)	≈152.4 cm
Height (cm)	≈167.64 cm
Base Vehicle Weight (empty) (kg)	≈1179.34 kg
Payload capacity (kg)	≈725.75 kg
Power Source	diesel
Power (kW)	N/A
Max. Speed	20-30 MPH
Method of propulsion	4WD Wheels
Unique Features	Ability to launch an autonomous air attack.

Max II by Max ATV's

Developer	Recreative Industries Inc
Time Frame	N/A
How many were built?	Still Manufacturing
How much does one cost?	14hp - $5785 16hp - $6795 18hp - $7465 23hp - $8885

Max II by Max ATV's

Length (cm)	218 cm
Width (cm)	142 cm
Height (cm)	94 cm
Base Vehicle Weight (empty) (kg)	322 kg
Payload capacity (kg)	272 kg
Power Source	Gasoline Engine
Power (kW)	14, 16, 18, 23 hp (10.44, 11.93, 13.42, 17.15 kW)
Max. Speed	25 mph land/4 mph water
Method of propulsion	6 wheels
Unique Features	It Floats

Throwbot 6

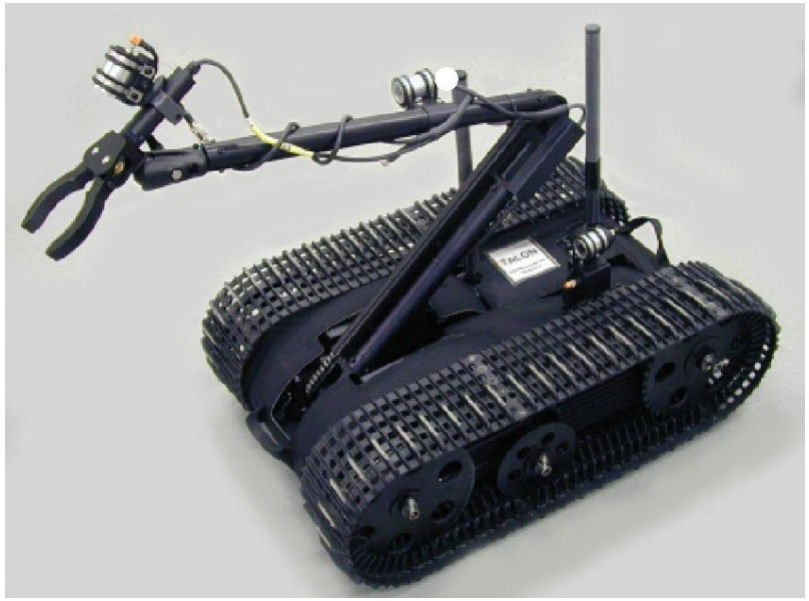
Developer	iRobot Corp.
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

Throwbot 6

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	1 kg
Payload capacity (kg)	N/A
Power Source	Lithium or Alkaline Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	6 wheels
Unique Features	6 hour run time, throwable

TALON

Developer	Foster-Miller Inc.
Time Frame	
How many were built?	18 (as of late 2004)
How much does one cost?	$59,220



TALON

Length (cm)	87.176
Width (cm)	57.69
Height (cm)	28.2
Base Vehicle Weight (empty) (kg)	38.25
Payload capacity (kg)	769.2
Power Source	Batteries 36VDC
Power (kW)	.216
Max. Speed	7.67 km/hr
Method of propulsion	Track
Unique Features	Single robotic arm used for either surveillance or grabbing items

ATVR-Jr

Developer	iRobot Corp
Time Frame	
How many were built?	
How much does one cost?	$19,150

ATVR-Jr

Length (cm)	78.227
Width (cm)	64.6
Height (cm)	55.5
Base Vehicle Weight (empty) (kg)	49.5
Payload capacity (kg)	141
Power Source	Batteries
Power (kW)	.672
Max. Speed	5.37 km/hr
Method of propulsion	4WD
Unique Features	All terrain surveillance robot

POWERBOT

Developer	ActivMedia Robotics
Time Frame	
How many were built?	
How much does one cost?	$21,995

POWERBOT

Length (cm)	86
Width (cm)	62..5
Height (cm)	43
Base Vehicle Weight (empty) (kg)	
Payload capacity (kg)	100
Power Source	2 Batteries 24V
Power (kW)	2.16
Max. Speed	6 km/hr
Method of propulsion	Wheels
Unique Features	Video capable, obstacle avoidance, 28 sonar

PEBBLES

Developer	Robosoft
Time Frame	
How many were built?	
How much does one cost?	$12,000

PEBBLES

Length (cm)	41
Width (cm)	43.58
Height (cm)	15.38
Base Vehicle Weight (empty) (kg)	11.25
Payload capacity (kg)	
Power Source	Batteries 14.5V
Power (kW)	.0725
Max. Speed	1.42 km/hr
Method of propulsion	Tracks
Unique Features	Surveillance robot

MR-5

Developer	Engineering Services Inc.
Time Frame	
How many were built?	
How much does one cost?	$73,000

MR-5

Length (cm)	128.2
Width (cm)	68.4588
Height (cm)	80.766
Base Vehicle Weight (empty) (kg)	250
Payload capacity (kg)	1692.24
Power Source	Batteries 48V
Power (kW)	
Max. Speed	3.07 km/hr
Method of propulsion	Wheels, articulating tracks
Unique Features	Video, audio, illumination capable

RONS

Developer	Remotec
Time Frame	
How many were built?	Unsure, 600 ANDROS made
How much does one cost?	$300,000

RONS

Length (cm)	91.44
Width (cm)	60.96
Height (cm)	91.44
Base Vehicle Weight (empty) (kg)	
Payload capacity (kg)	
Power Source	Batteries
Power (kW)	
Max. Speed	
Method of propulsion	Track
Unique Features	No longer made, the ANDROS is the new model currently in production

CMU PerceptOR

Developer	Carnegie Mellon, General Dynamics
Time Frame	March 2001 – March 2004
How many were built?	Several Prototypes (10 roughly)
How much does one cost?	N/A

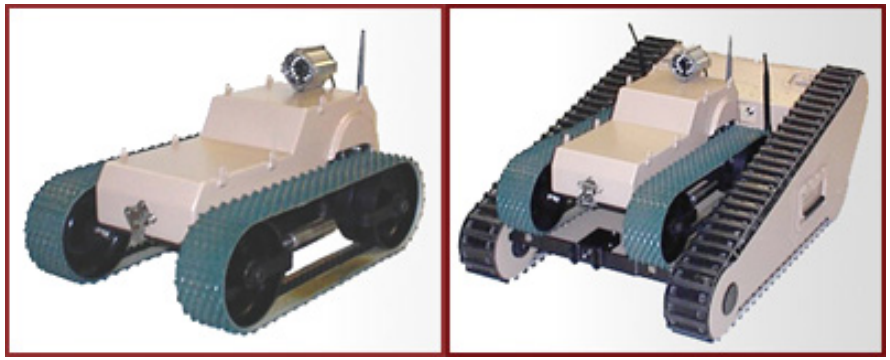
CMU PerceptOR Team

CMU PerceptOR

Length (cm)	225
Width (cm)	120
Height (cm)	120
Base Vehicle Weight (empty) (kg)	300
Payload capacity (kg)	160
Power Source	Gas Engine
Power (kW)	68
Max. Speed	N/A
Method of propulsion	4WD
Unique Features	Ethernet Interface, Wireless radio pendant system

MARV

Developer	Mesa Robotics
Time Frame	
How many were built?	Low rate production
How much does one cost?	$9000

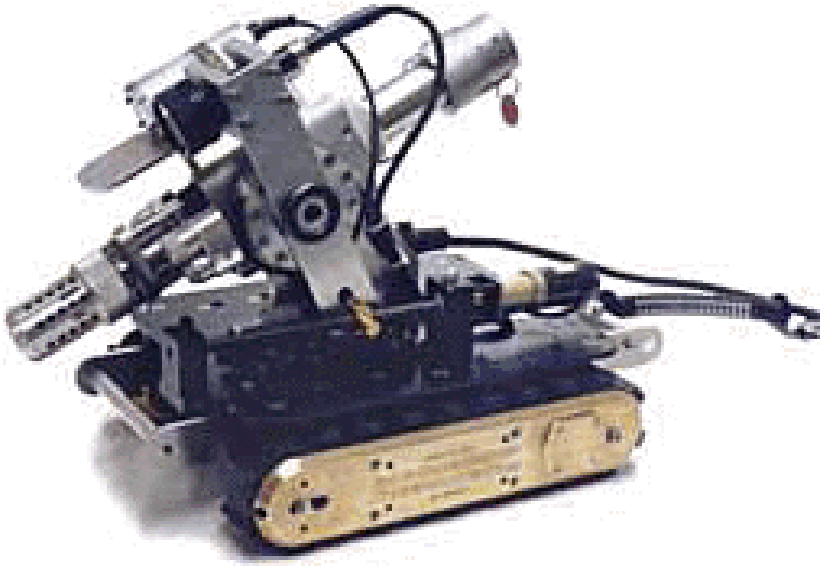


MARV

Length (cm)	48.26
Width (cm)	35.56
Height (cm)	22.86
Base Vehicle Weight (empty) (kg)	9.07
Payload capacity (kg)	4.54
Power Source	Batteries
Power (kW)	
Max. Speed	4 mph
Method of propulsion	Track
Unique Features	Remote vehicle inspection and target designation

Mini Disruptor

Developer	Inuktun Services Ltd.
Time Frame	
How many were built?	For law enforcement
How much does one cost?	$36,345

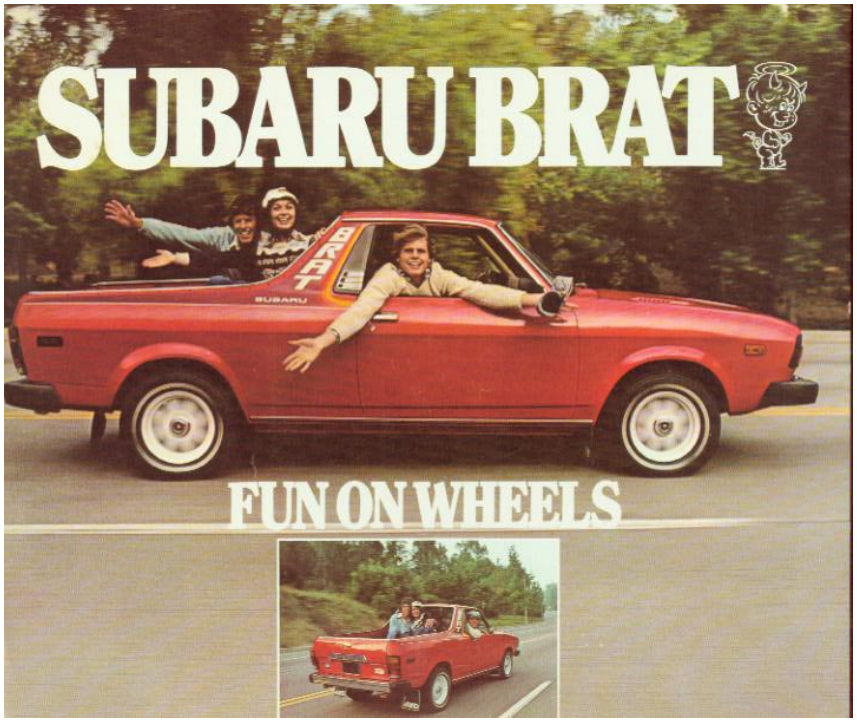


Mini Disruptor

Length (cm)	61.536
Width (cm)	35.896
Height (cm)	42.306
Base Vehicle Weight (empty) (kg)	40.5
Payload capacity (kg)	384.6
Power Source	120V AC or DC via tether
Power (kW)	.300
Max. Speed	.54 km/hr
Method of propulsion	Tracks
Unique Features	Projects highly concentrated beam of sound or water-jet

BRAT

Developer	Subaru
Time Frame	1978 introduced, removed in 1985
How many were built?	92,445 sold in America
How much does one cost?	$1400 Used



BRAT

Length (cm)	442.468
Width (cm)	163.576
Height (cm)	143.002
Base Vehicle Weight (empty) (kg)	861.8
Payload capacity (kg)	386
Power Source	Gas Engine
Power (kW)	49.2 – 70.1
Max. Speed	80 mph
Method of propulsion	2WD with 4WD option
Unique Features	Not really a UGV, but we're making sure you are reading this

BRAT

Developer	Kentree, Ltd. (Allen-Vanguard Security)
Time Frame	N/A
How many were built?	N/A
How much does one cost?	$12,000

BRAT

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	250
Payload capacity (kg)	N/A
Power Source	24V DC high capacity deep cycle long life batteries (2 hours nominal life)
Power (kW)	N/A
Max. Speed	2 mph
Method of propulsion	6WD independent direct drive
Unique Features	Camera equipped

Sarge

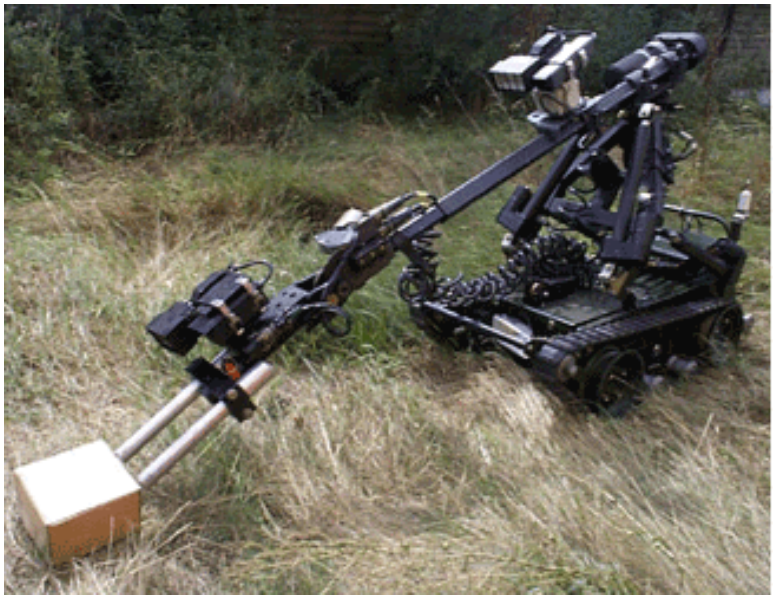
Developer	Sandia National Laboratory
Time Frame	1980's
How many were built?	1 Prototype
How much does one cost?	N/A

Sarge

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	N/A
Payload capacity (kg)	N/A
Power Source	Gas
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	4wd
Unique Features	Video/Audio Recorder

Super-M

Developer	Remotec
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A



Super-M

Length (cm)	121
Width (cm)	69
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	202
Payload capacity (kg)	N/A
Power Source	24V, 2-12V Batteries
Power (kW)	N/A
Max. Speed (km/hr)	3
Method of propulsion	Track
Unique Features	Remote Control

Acer

Developer	Mesa Robotics
Time Frame	N/A
How many were built?	N/A
How much does one cost?	$250,000

Acer

Length (cm)	211
Width (cm)	157
Height (cm)	142
Base Vehicle Weight (empty) (kg)	2041
Payload capacity (kg)	1134
Power Source	Diesel Engine
Power (kW)	N/A
Max. Speed (km/hr)	10.14
Method of propulsion	Track
Unique Features	Plow Blade

Ground Hog

Developer	Qinetiq
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

Ground Hog

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	34.65
Payload capacity (kg)	N/A
Power Source	Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	4wd
Unique Features	N/A

Rattler

Developer	Sandia National Laboratory
Time Frame	N/A
How many were built?	N/A
How much does one cost?	$10,000

Rattler

Length (cm)	56
Width (cm)	50
Height (cm)	31
Base Vehicle Weight (empty) (kg)	15.75
Payload capacity (kg)	51.28
Power Source	Lead Acid Batteries
Power (kW)	N/A
Max. Speed (km/hr)	3.29
Method of propulsion	4wd
Unique Features	Audio/Video cap.

REDCAR

Developer	Air Force, Force Protection Battlelab
Time Frame	
How many were built?	
How much does one cost?	

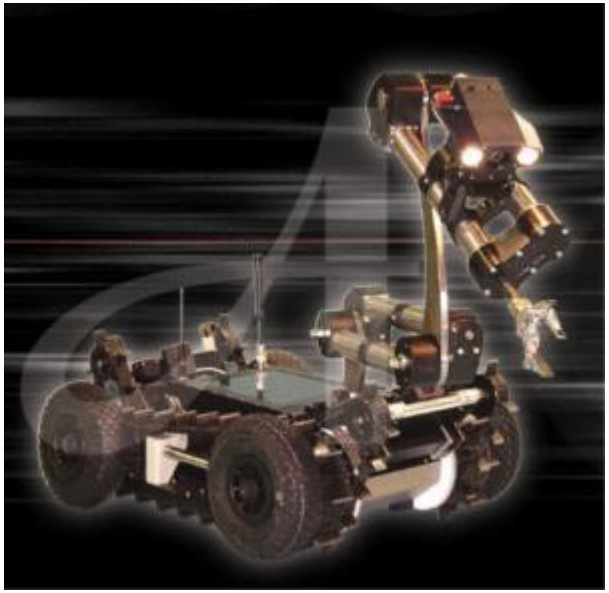
AFRL TIGER

REDCAR

Length (cm)	266.7
Width (cm)	116.84
Height (cm)	121.92
Base Vehicle Weight (empty) (kg)	453.59
Payload capacity (kg)	340.19
Power Source	
Power (kW)	
Max. Speed	40 mph
Method of propulsion	4-6 wheels
Unique Features	Marsupial Deployment System

BOMBTEC Responder

Developer	PW Allen and Co Limited
Time Frame	
How many were built?	
How much does one cost?	



BOMBTEC Responder

Length (cm)	80
Width (cm)	45
Height (cm)	26
Base Vehicle Weight (empty) (kg)	45
Payload capacity (kg)	None
Power Source	24V 13.5 Ah battery
Power (kW)	
Max. Speed	2.16 km/hr
Method of propulsion	4 wheels
Unique Features	Designed to locate and disarm explosives

MAX II

Developer	The Max ATVs
Time Frame	
How many were built?	
How much does one cost?	$10,000

MAX II

Length (cm)	218
Width (cm)	142
Height (cm)	94
Base Vehicle Weight (empty) (kg)	322
Payload capacity (kg)	454
Power Source	
Power (kW)	
Max. Speed	40 km/hr
Method of propulsion	6 wheels
Unique Features	Can handle extremely rough terrain

Mini-Andross

Developer	Remotec
Time Frame	
How many were built?	
How much does one cost?	$40,000-60,000

Mini-Andross

Length (cm)	88.9
Width (cm)	40.64
Height (cm)	77.47
Base Vehicle Weight (empty) (kg)	
Payload capacity (kg)	Lifts up to 15 lbs
Power Source	
Power (kW)	
Max. Speed	70 fpm
Method of propulsion	2 tracks + arms
Unique Features	Safe against nuclear contamination

Retarius

Developer	Lockheed Martin
Time Frame	
How many were built?	
How much does one cost?	

Team Retiarius UGCV

Retarius

Length (cm)	15 ft
Width (cm)	6 ft
Height (cm)	
Base Vehicle Weight (empty) (kg)	1500 lbs
Payload capacity (kg)	350 lbs
Power Source	
Power (kW)	
Max. Speed	
Method of propulsion	
Unique Features	Wheels move about body

Gladiator

Developer	U.S. Marine Corps Initiative, with Carnegie Mellon
Time Frame	Development in 1995 with fielding by 2006
How many were built?	N/A
How much does one cost?	$150,000

Gladiator

Length (cm)	178
Width (cm)	112
Height (cm)	112
Base Vehicle Weight (empty) (kg)	665
Payload capacity (kg)	N/A
Power Source	N/A
Power (kW)	N/A
Max. Speed	14 mph
Method of propulsion	tracks
Unique Features	Robust, compact, unmanned, tele-operated/semi-autonomous, multi-purpose ground vehicle system possessing scouting and direct engagement capability

Standard Heavy Duty Robotic Platform (Sherpa)

Developer	re^2
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

Standard Heavy Duty Robotic Platform (Sherpa)

Length (cm)	257
Width (cm)	174
Height (cm)	128
Base Vehicle Weight (empty) (kg)	582
Payload capacity (kg)	282
Power Source	N/A
Power (kW)	N/A
Max. Speed	31 km/h
Method of propulsion	wheels
Unique Features	

Versa Trax 100

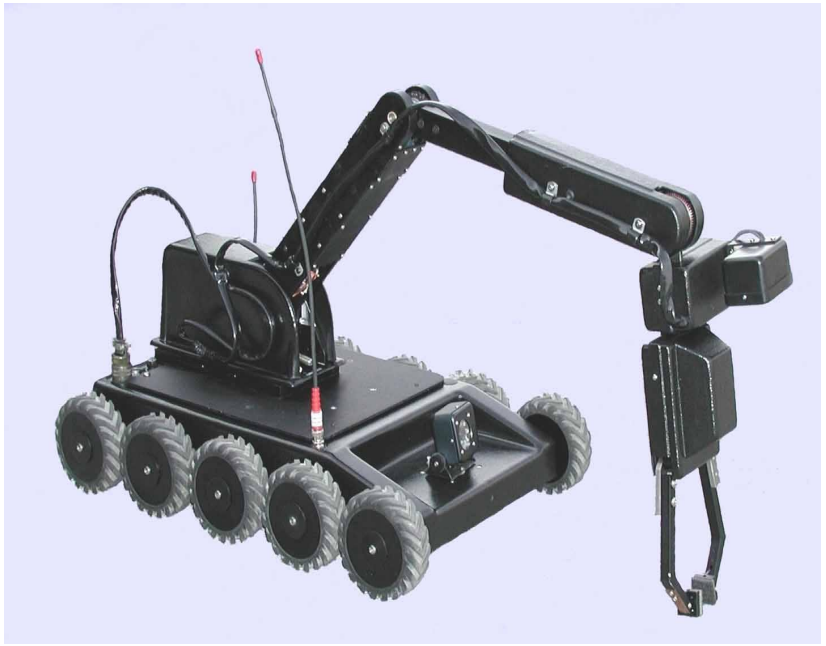
Developer	Inuktun Services Ltd.
Time Frame	COTS
How many were built?	N/A
How much does one cost?	N/A

Versa Trax 100

Size	Variable
In-line	4 to 6 inch pipes
Parallel	8 inches +
Base Vehicle Weight (empty) (kg)	Variable
Payload capacity (kg)	N/A
Power Source	No onboard power
Power (kW)	N/A
Max. Speed	30+ ft/min
Method of propulsion	Tracks
Unique Features	Variable size

MURV-100

Developer	HDE Manufacturing, Inc.
Time Frame	COTS
How many were built?	N/A
How much does one cost?	$12,500.00



MURV-100

Length (cm)	58.972
Width (cm)	43.588
Height (cm)	11.538
Base Vehicle Weight (empty) (kg)	13.95
Payload capacity (kg)	N/A
Power Source	2 Lead-Acid, 12 V
Power (kW)	N/A
Max. Speed	0.93 km/hr
Method of propulsion	Wheels, 10x10
Unique Features	Robotic Arm

Hobo L3A15

Developer	Kentree Ltd.
Time Frame	COTS
How many were built?	N/A
How much does one cost?	$120,000.00

Hobo L3A15

Length (cm)	148.3
Width (cm)	70.76
Height (cm)	88.81
Base Vehicle Weight (empty) (kg)	228
Payload capacity (kg)	Arm (30kg)
Power Source	2x 12V batteries 110V
Power (kW)	0.1 kW
Max. Speed	4 km/hr
Method of propulsion	Wheels, 3x3
Unique Features	Robotic Arm & Claw

Mini Flail

Developer	Unmanned Ground Vehicles / Systems Joint Project Office
Time Frame	1996 to Present
How many were built?	Approximately 10
How much does one cost?	Not available, military developed project

Mini Flail

Length (cm)	304 cm
Width (cm)	127 cm
Height (cm)	Approximately 300 cm
Base Vehicle Weight (empty) (kg)	1061 kg
Payload capacity (kg)	None
Power Source	Diesel Engine
Power (kW)	Approximately 79kW
Max. Speed	5 ½ mph
Method of propulsion	4 wheel and tracked models
Unique Features	Clear rate of 1200m^2 per hour Footpath of 1.1 meters Operated remotely – 1000 meters (l.o.s)

ATRV 2

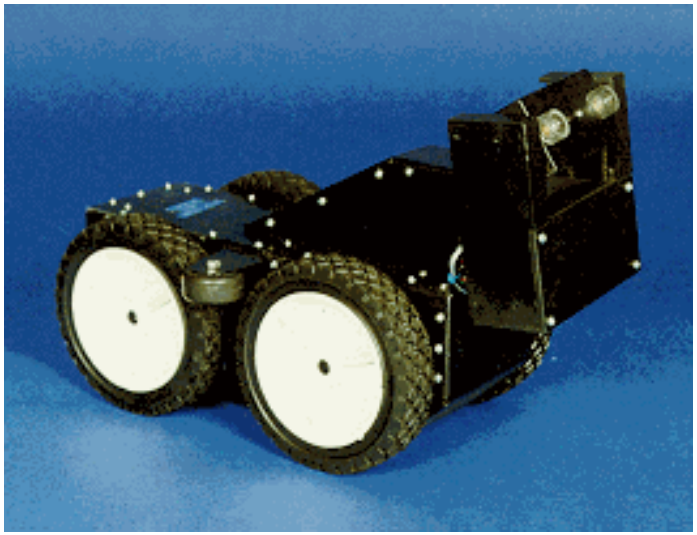
Developer	iRobot Corporation
Time Frame	Currently being developed
How many were built?	Not available, only one prototype
How much does one cost?	Not specified

ATRV 2

Length (cm)	105 cm
Width (cm)	86 cm
Height (cm)	65 cm
Base Vehicle Weight (empty) (kg)	118 kg
Payload capacity (kg)	100 kg
Power Source	Battery
Power (kW)	1.4kW
Max. Speed	4 ½ mph
Method of propulsion	4 wheel
Unique Features	4-6 hour battery life 4 lead acid batteries 45 deg approach and departure angles

Piper

Developer	Angelus Research Corporation
Time Frame	Under development currently
How many were built?	Not available
How much does one cost?	Not specified



Piper

Length (cm)	51 cm
Width (cm)	23 cm
Height (cm)	35 cm
Base Vehicle Weight (empty) (kg)	9.9 kg
Payload capacity (kg)	None
Power Source	Battery
Power (kW)	1.4kW
Max. Speed	Less than 2mph
Method of propulsion	4 wheel
Unique Features	150 foot cable (drive by wire) Easily linked to computers and software

robuCAR-TT

Developer	Robosoft
Time Frame	N/A
How many were built?	N/A
How much does one cost?	$48,000

robuCAR-TT

Length (cm)	184 cm
Width (cm)	130 cm
Height (cm)	61 cm
Base Vehicle Weight (empty) (kg)	350 kg
Payload capacity (kg)	350 kg
Power Source	Lead batteries, 8 sealed
Power (kW)	4 @ 900 watts = 3.6 kw
Max. Speed	7 km/hr
Method of propulsion	4 wheel
Unique Features	4 hour run time Differential steering Teleoperation control system

UGCV

Developer	Lockeed Martin
Time Frame	Roughly 2001 to 2003
How many were built?	1
How much does one cost?	N/A

Teleoperated UGCV

UGCV

Length (cm)	213 cm
Width (cm)	137 cm
Height (cm)	91 cm
Base Vehicle Weight (empty) (kg)	453 kg
Payload capacity (kg)	136 kg
Power Source	Diesel engine / electric hybrid
Power (kW)	Modified power, number N/A
Max. Speed	40 km/hr
Method of propulsion	6 wheel
Unique Features	All wheels operate independently Can operate on hybrid electric power for extend periods Greater the 25% payload fraction

MDARS-E

Developer	MILITARY & NAVY
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

MDARS-E

Length (cm)	84”
Width (cm)	52”
Height (cm)	38”
Base Vehicle Weight (empty) (kg)	2640lbs
Payload capacity (kg)	300lbs
Power Source	
Power (kW)	
Max. Speed	15kph
Method of propulsion	4 wheeled hydrostatic drive
Unique Features	

GDRS PerceptOR

Developer	General Dynamics, Carnegie Mellon
Time Frame	March 2001 – March 2004
How many were built?	Several Prototypes (10 roughly)
How much does one cost?	N/A

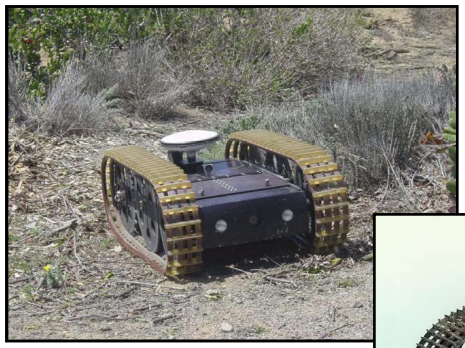
CMU PerceptOR Team

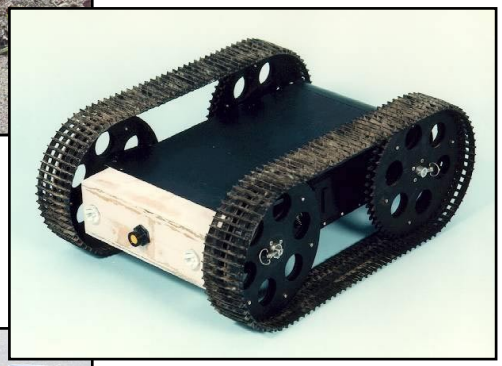
GDRS PerceptOR

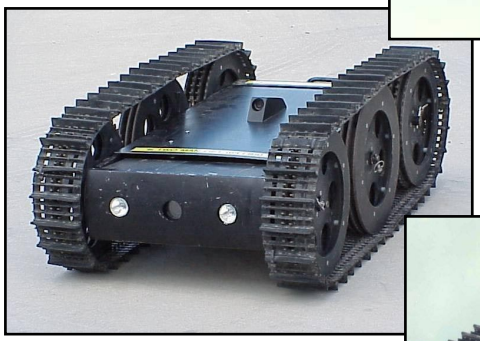
Length (cm)	225
Width (cm)	120
Height (cm)	120
Base Vehicle Weight (empty) (kg)	300
Payload capacity (kg)	160
Power Source	Gas Engine
Power (kW)	68
Max. Speed	N/A
Method of propulsion	4WD
Unique Features	Ethernet Interface, Wireless radio pendant system

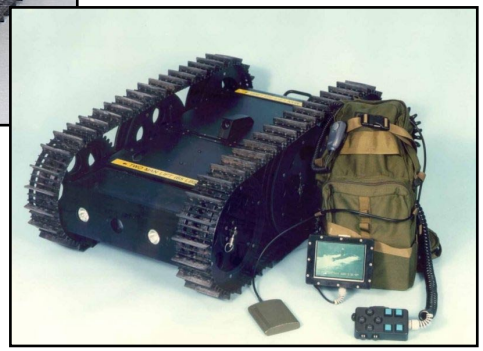
URBOT

Developer	DEPARTMENT OF DEFENSE
Time Frame	N/A
How many were built?	(PROTOTYPE)
How much does one cost?	N/A









URBOT

Length (cm)	36”
Width (cm)	24”
Height (cm)	11”
Base Vehicle Weight (empty) (kg)	65LBS
Payload capacity (kg)	
Power Source	
Power (kW)	
Max. Speed	
Method of propulsion	
Unique Features	

MURV

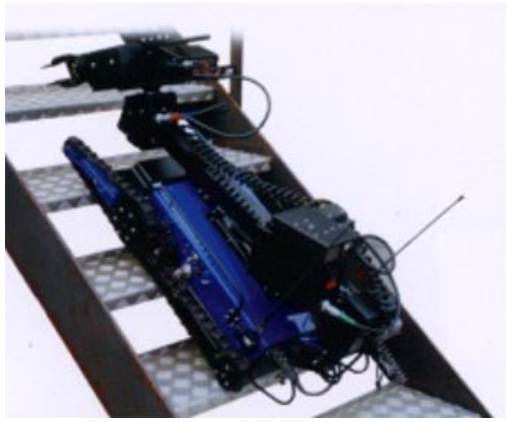
Developer	HDE Manufacturing
Time Frame	Since 1994
How many were built?	> 40
How much does one cost?	N/A

MURV

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	11.5
Base Vehicle Weight (empty) (kg)	N/A
Payload capacity (kg)	N/A
Power Source	Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	N/A
Unique Features	

Cyclops

Developer	Deltic Group Limited
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A



Cyclops

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	N/A
Payload capacity (kg)	N/A
Power Source	Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	N/A
Unique Features	stair climbing, maneuvering down bus, train and aircraft aisles, with 2 meter telescopic boom for searching under seats and overhead luggage racks. Radio or fiber optic cable control

Buffalo

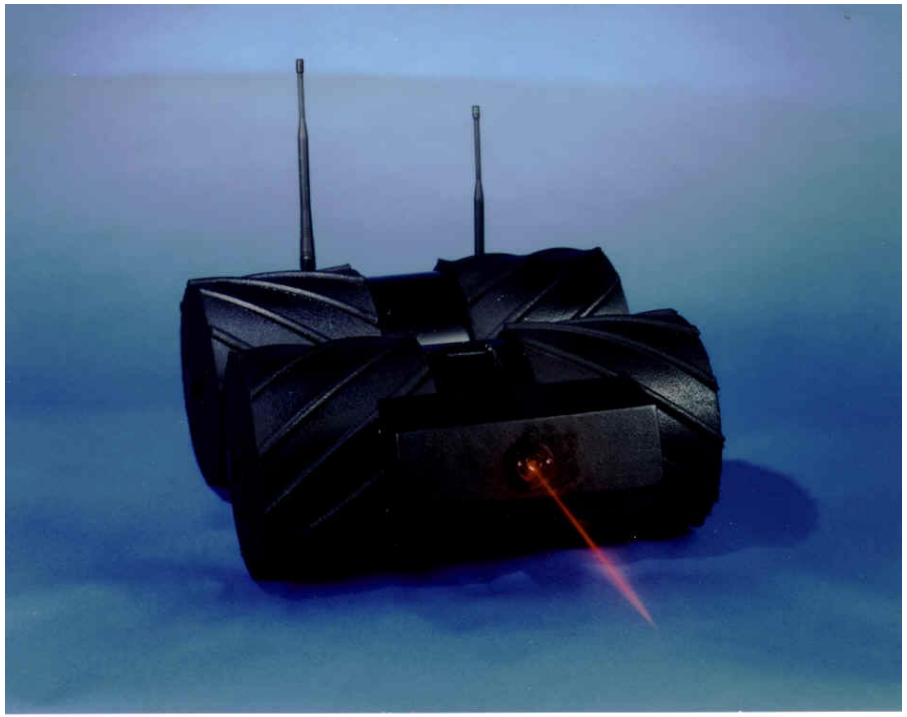
Developer	Max ATV's
Time Frame	Currently Available
How many were built?	N/A
How much does one cost?	$ 12,000

Buffalo

Length (cm)	251
Width (cm)	145
Height (cm)	132
Base Vehicle Weight (empty) (kg)	515
Payload capacity (kg)	453
Power Source	Gas Engine
Power (kW)	20
Max. Speed	18 mph
Method of propulsion	Track, 6WD
Unique Features	Land/Amphibious

Intruder

Developer	Angelus Research Corp.
Time Frame	Currently available
How many were built?	N/A
How much does one cost?	N/A



Intruder

Length (cm)	55.9
Width (cm)	43.2
Height (cm)	25.4
Base Vehicle Weight (empty) (kg)	15.9
Payload capacity (kg)	None
Power Source	Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	4WD
Unique Features	All surface drive, Center Articulated

Max IV

Developer	Max ATVs
Time Frame	Currently Available
How many were built?	N/A
How much does one cost?	$ 12,000

Max IV

Length (cm)	244
Width (cm)	142
Height (cm)	107
Base Vehicle Weight (empty) (kg)	365
Payload capacity (kg)	454
Power Source	Gas Engine
Power (kW)	20
Max. Speed	20 mph
Method of propulsion	Track, 6WD
Unique Features	Amphibious

Rascal

Developer	Kentree Ltd.
Time Frame	N/A
How many were built?	N/A
How much does one cost?	$ 48,000

Rascal

Length (cm)	80
Width (cm)	41.5
Height (cm)	34.8
Base Vehicle Weight (empty) (kg)	32.8
Payload capacity (kg)	60
Power Source	Batteries
Power (kW)	2 x 12v6.5APH
Max. Speed	N/A
Method of propulsion	Wheels, 6x6
Unique Features	

TUGV

Developer	Carnegie Mellon
Time Frame	June 2002 - 2006
How many were built?	In Development
How much does one cost?	$ 150,000

TUGV

Length (cm)	N/A
Width (cm)	N/A
Height (cm)	N/A
Base Vehicle Weight (empty) (kg)	N/A
Payload capacity (kg)	N/A
Power Source	N/A
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	Track
Unique Features	Unmanned, semi-autonomous

MULE

Developer	Brunswick/ baifield industries
Time Frame	1950-1970's
How many were built?	11,000
How much does one cost?	15,000 refurb

MULE

Length (cm)	241
Width (cm)	122
Height (cm)	70
Base Vehicle Weight (empty) (kg)	390
Payload capacity (kg)	454
Power Source	Gas engine
Power (kW)	13kw
Max. Speed	25mph unloaded
Method of propulsion	4wd
Unique Features	4’x8’ bed, portal axles, magnesium components

Spinner

Developer	National Robotics Engineering Consortium
Time Frame	N/A
How many were built?	1
How much does one cost?	N/A

Spinner

Length (cm)	305
Width (cm)	91
Height (cm)	122
Base Vehicle Weight (empty) (kg)	N/A
Payload capacity (kg)	N/A
Power Source	Lithium Ion Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	6 Wheel Drive
Unique Features	invertible

Vanguard MK2 Robot

Developer	Allen Vanguard
Time Frame	2005
How many were built?	N/A
How much does one cost?	unavailable

Vanguard MK2 Robot

Length (cm)	91.5
Width (cm)	43.5
Height (cm)	40.5
Base Vehicle Weight (empty) (kg)	52
Payload capacity (kg)	30
Power Source	Batteries, 24V DC
Power (kW)	Unavailable
Max. Speed	5 mph
Method of propulsion	tracks
Unique Features	bomb robot

Throwbot 4

Developer	iRobot Corp.
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

Throwbot 4

Length (cm)	10
Width (cm)	5
Height (cm)	5
Base Vehicle Weight (empty) (kg)	1
Payload capacity (kg)	None
Power Source	Batteries
Power (kW)	N/A
Max. Speed	N/A
Method of propulsion	2, 4, or 6 wheel drive
Unique Features	Can be thrown and survive relatively large impact

Bison

Developer	Qinetiq
Time Frame	N/A
How many were built?	N/A
How much does one cost?	N/A

Bison

Length (cm)	60
Width (cm)	50
Height (cm)	120
Base Vehicle Weight (empty) (kg)	208 kg
Payload capacity (kg)	Minimal
Power Source	Batteries
Power (kW)	N/A
Max. Speed	5-10 mph
Method of propulsion	4 Wheel Drive
Unique Features	Designed to handle explosives

All-Purpose Remote Transport System (ARTS)

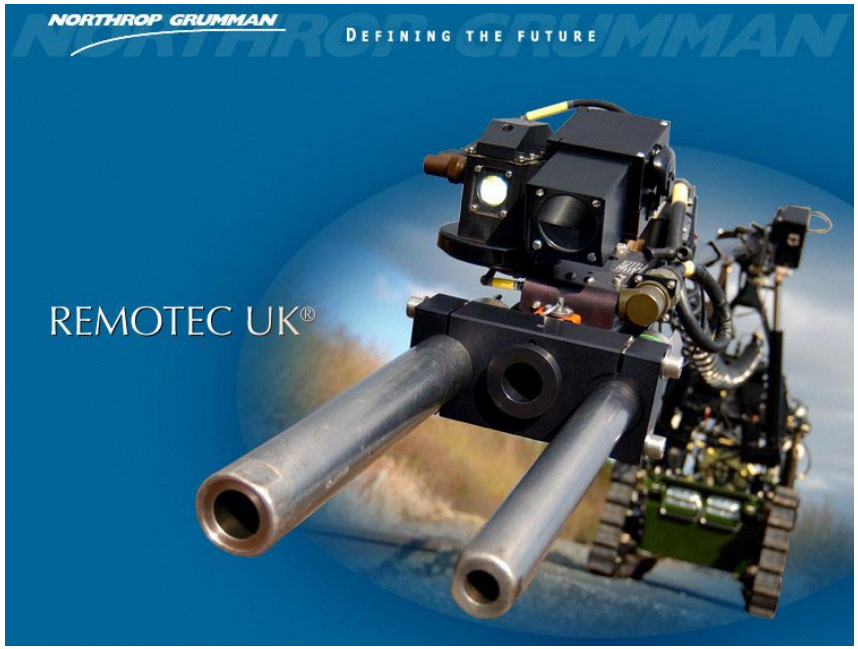
Developer	Military
Time Frame	2002-present
How many were built?	72
How much does one cost?	low cost

All-Purpose Remote Transport System (ARTS)

Length (cm)	287 cm
Width (cm)	162.6 cm
Height (cm)	198 cm
Base Vehicle Weight (empty) (kg)	2948 kg
Payload capacity (kg)	1587.6 kg
Power Source	4- cylinder, liquid-coded Diesel engine
Power (kW)	
Max. Speed	8 mph
Method of propulsion	Track (Kevlar reinforced rubber)
Unique Features	Remote-controlled, various tools can be attached: forklift, backhoe, a UXO clearance

Revolution

Developer	Remotec
Time Frame	
How many were built?	
How much does one cost?	



Revolution

Length (cm)	135
Width (cm)	65
Height (cm)	
Base Vehicle Weight (empty) (kg)	325.8
Payload capacity (kg)	
Power Source	24 volt batteries
Power (kW)	
Max. Speed	2.99 Km/Hr.
Method of propulsion	Track
Unique Features	Explosive Handler

Experimental Unmanned Vehicle (XUV)

Developer	Military
Time Frame	2001-present
How many were built?	4
How much does one cost?	$22,966,408

Experimental Unmanned Vehicle (XUV)

Length (cm)	
Width (cm)	
Height (cm)	
Base Vehicle Weight (empty) (kg)	
Payload capacity (kg)	
Power Source	
Power (kW)	
Max. Speed	32 km/hr Day 16 km/hr Night
Method of propulsion	4wd, hydrostatic diesel
Unique Features	

Dragon Runner

Developer	Carnegie Mellon and Naval Research Lab
Time Frame	
How many were built?	1
How much does one cost?	

Dragon Runner

Length (cm)	40
Width (cm)	29.5
Height (cm)	12.7
Base Vehicle Weight (empty) (kg)	
Payload capacity (kg)	
Power Source	Military batteries
Power (kW)	
Max. Speed	20 mph
Method of propulsion	2WD
Unique Features	Motion and IR surveillance

MR-7

Developer	Engineering Services, Inc.
Time Frame	
How many were built?	In Production
How much does one cost?	

MR-7

Length (cm)	99
Width (cm)	45
Height (cm)	82
Base Vehicle Weight (empty) (kg)	103.5
Payload capacity (kg)	8
Power Source	Batteries
Power (kW)	
Max. Speed	3.3 km/hr
Method of propulsion	Track
Unique Features	Precise movable arm