

# DT640

## UTILITY CRAWLER

Fully submersible, battery operated, versatile magnetic or rubber wheeled utility robot.



 DEEP TREKKER™

# DT640 MAG

## PATENTED MAGNETIC WHEELS

The DT640 MAG provides a safe and efficient alternative to ship hull and steel structure inspections. Earth magnets allow the utility crawler to move in any direction on ferrous material.



50m (164ft)  
depth rating



Up to 8-hour  
battery operation



Portable



Modular design



### 360° turn radius

Get an instant visual on hard to reach and impossible to access environments.



### Advanced sonar integrations

Identify targets of interest or obstructions within minutes, even in turbid or murky water.



### Magnetic wheels

Rare earth magnets allow for travel in any direction on any ferrous metal surface.

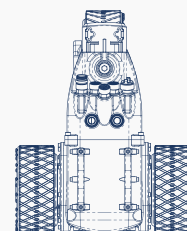
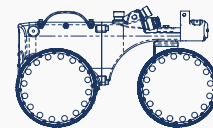
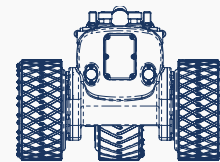
## GENERAL SPECIFICATIONS

### Crawler General Specs

Width :	406 MM (13")
Height :	228 MM (9")
Length :	710 MM (27.95")
Weight (in air) :	16.6 KG (36.59 LB)
Material :	Stainless Steel, Aluminum, High Strength Acrylic
Depth Rating :	50 M (164 FT)
Wheels:	Patented Magnetic 2WD
Camera :	700 TVL 0.0001 lux
Operating Temp :	-5°C to 40°C (23°F – 104°F)
Speed:	12m / minute
Turn Radius :	0 mm (0")
Warranty :	1 Year – Parts and Labor (optional 2-3 yrs)

### Crawler Electrical System

System Voltage :	19.2 VDC
Battery Run Time :	Up to 8 Hours
Sensors :	Incline, Roll, Leak, Camera Pan/Tilt





## RAPID RESPONSE VISUAL INSPECTION

The DT640 MAG provides a safe and efficient alternative to ship hull and steel structure inspections. Its onboard HD camera and live-video feed provides operators with instant visual inspections in hard to reach and often impossible to access environments.



HD camera and live-video feed



Stainless steel, aluminum, high strength acrylic frame



Modular design



Extreme durability



## CYGNES THICKNESS GAGE KIT

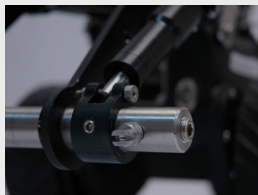
This ultrasonic thickness probe presses on the surface, taking an accurate measurement, even through marine growth or coatings. This is a great tool for corrosion surveys for UWILDs on FPSOs or Vessels, as well as for steel tanks and pipes and other surfaces.



Cygnus Thickness Gage



Easy controls



Pressure Washer

## PRESSURE WASHER ADD-ON

Want to use your magnetic crawler to clean off debris and marine growth? Attach the pressure washer kit to the DT640 MAG for cleaning and clearing areas from hulls, pipes and cargo holds, allowing for proper inspections and longevity.

## ADVANCED SONAR INTEGRATION



0.1m to 120m range



Single and Dual frequency options available

Hull inspections made easy. Even in murky or turbid water, get the full picture of under a vessel's hull with an imaging sonar attachment for the DT640 MAG.

Identify targets of interest or obstructions attached to the hull within minutes.



# DT640 VAC

## PORTABLE VACUUM ROBOT

Built for cleaning sediment and sludge from the bottoms of reservoirs and tanks, the DT640 VAC is an easier, safer and more cost effective alternative to draining assets or utilizing divers for cleaning.



50m (164ft)  
depth rating



Up to 8-hour  
battery operation



Portable



Extremely durable



### 360° turn radius

Get an instant visual on hard to reach and impossible to access environments.



### Vacuum head options

Various vacuum head options available from 14" single intake to 24" dual intake.



### Low maintenance

Compact easy to use design for frequent and safe inspections and cleaning.

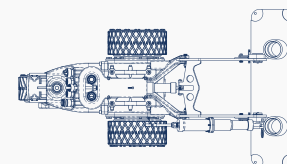
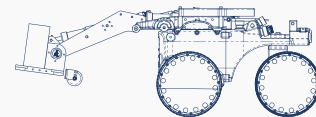
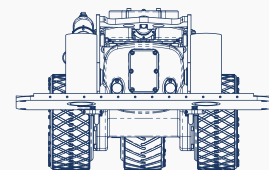
## GENERAL SPECIFICATIONS

### Crawler General Specs

Width :	406 MM (13")
Height :	228 MM (9")
Length :	710 MM (27.95")
Weight (in air) :	15 KG (34 LB)
Material :	Stainless Steel, Aluminum, High Strength Acrylic
Depth Rating :	50 M (164 FT)
Wheels:	Rubber 2WD
Camera :	700 TVL 0.0001 lux
Operating Temp :	-5°C to 40°C (23°F – 104°F)
Speed:	12m / minute
Turn Radius :	0 mm (0")
Warranty :	1 Year – Parts and Labor (optional 2-3 yrs)

### Crawler Electrical System

System Voltage :	19.2 VDC
Battery Run Time :	Up to 8 Hours
Sensors :	Incline, Roll, Leak, Camera Pan/Tilt





## KEEP SERVICES ONLINE

Conduct tank cleaning with the DT640 VAC without interrupting service. Avoid the dangers of having divers in the water and pump sediment from water tanks using the Deep Trekker robotic vacuum system.

## NO NEED TO DEWATER TANKS

Draining tanks can be costly and time-consuming with services often offline for weeks at a time. The DT640 VAC is completely submersible and can be decontaminated prior to entering water tanks.



## DT640 MAX | TOUGH JOBS WITH EASE

Built for cleaning sediment and sludge from the bottoms of reservoirs and tanks, the DT640 MAX is an easier, safer and more cost effective alternative to draining assets or utilizing divers for cleaning. The big brother of the DT640 Utility Crawler, the DT640 MAX covers more ground and moves twice as fast to tackle the biggest of jobs. Perfect for reservoirs, the DT640 MAX readily handles sediment and mud.



36" vacuum head



Tilt vacuum head  
40 degrees



Pan/tilt/zoom elevated  
camera



650 lumen LED  
floodlights

Users can upgrade their current DT640 into the DT640 MAX in minimal time.



Raise and lower vacuum head 40 degrees



Pan/tilt/zoom camera

Hose connector



## EASY TO USE CONTROLLER



Weatherproof  
handheld controller



Record video  
inspections with  
voice over via DVR

Tank inspections and cleaning made easy. Operate the DT640 with its splash-proof controller. The easy to use control system reduces the learning curve for beginner operators.

Record your own video inspections and provide operators with instant visuals.

<b>5.6" LCD Controller</b>	✓	✓	✓	✓
<b>Forward Facing Body Camera</b>	✓	✓	✓	✓
<b>PT Elevated Camera</b> pan (360)° and tilt (280°)	-	-	✓	✓
<b>50M Depth Rating</b>	✓	✓	✓	✓
<b>Tether Length</b>	75M	75M	75M	75M
<b>Tether Reel</b>	✓	✓	✓	✓
<b>Sensor Pack</b> incline, roll, leak, camera pan/tilt	✓	✓	✓	✓
<b>Magnetic Wheels</b>	-	✓	-	-
<b>Rubber Wheels</b>	✓	-	✓	✓
<b>LED Lights</b>	✓	✓	✓	✓
<b>Software Integration</b>	✓	✓	✓	✓
<b>18" Dual 2" Intake Vacuum</b>	-	-	✓	-
<b>36" Quad 2" Intake Vacuum</b>	-	-	-	✓
<b>Electric Arch Kit</b>	-	-	✓	✓
<b>Dual Connection Kit</b>	-	-	✓	-
<b>Quad Connection Kit</b>	-	-	-	✓
<b>Carrying Cases</b>	✓	✓	✓	✓
<b>Fully Assembled and Tested</b>	✓	✓	✓	✓
<b>Warranty</b>	One Year	One Year	One Year	One Year
<b>EXTRA ADD-ONS</b>				
Pressure Washer Kit	14" Single 1.5" Intake Vacuum	Service Kits		
Dozer Kit	24" Dual 2" Intake Vacuum	External Floodlights		
Cygnus Guage Kit	DVR (Digital Video Recorder)	Sonar		

## UNDERWATER REMOTELY OPERATED VEHICLES & ROBOTS

With over a decade of proven performance, Canadian company, Deep Trekker, is one of the largest underwater ROV manufacturers in the world – delivering high quality, robust and portable underwater robots to industries ranging from aquaculture to municipal contracting, military and defense, search and rescue, shipping, infrastructure and more.

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