

MOGURINKO

Sewer pipe and energy plant inspection robots

Simple & Easy



Mogurinko200

Mogurinko150

Dirty Mission!!!



Mogurinko MAX



Hyper Mogurinko



Dirty Mogurinko





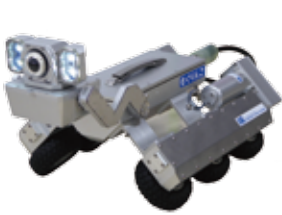

Technical Solutions Company
ISHIKAWA IRON WORKS

Extremely low-cost Sewer Pipe Screening Inspection

■ Features

- Compact, portable, easy to use, inspection cost greatly reduced.
- Moves powerfully through dirt and obstructions.
- Skid steering system, pivot-turns.
- Waterproof design for underwater runs and inspections in running water.
- Cable length > 50m for long distance inspections.
- Simple structure, easy single-handed operations.
- High definition CCD camera on board. Videos and pictures stored in SD card.
- Pan-tilt camera. Controlled lift for positioning camera at the pipe center.
- Handy controller for camera and main unit.

■ Specifications(overview)

	MOGURINKO	HYPER MOGURINKO	DIRTY MOGURINKO	MOGURINKO MAX
Products				
Pipe size	Ø 150, Ø 200	Ø >200	Ø >400	Ø >800
Max speed	13.7m/min	10m/min	10m/min	18m/min
Drive system	Double engine, caterpillars arranged in V-shape	Two independent high-torque engines (one per each side) 6-wheel drive (6x6), V-shapes arrangement, skid steering	Two independent high-torque engines (one per each side) 6-wheel drive (6x6), V-shapes arrangement, skid steering	4 independent wheel drive Skid steering Wheels' dimension: Ø350
Recording camera	440,000 pixels CCD camera Videos and pictures SD memory card	190 degree wide-angle lens 520,000 pixels CCD camera Videos, pictures and voice recorder SD memory card	190 degree wide-angle lens 520,000 pixels CCD camera Videos, pictures and voice recorder SD memory card	410,000 pixels CCD camera Optical zoom 35x Digital zoom 800x Videos, pictures and voice recorder HDD memory
Power	Rechargeable battery	Rechargeable battery	Rechargeable battery, mains supply	Mains supply
Dimensions	L :355mm D :155mm H :150mm	L :450mm D :175mm H :145mm	L :490mm D :320mm H :185mm	L :847mm D :554mm H :571mm
Weight	5.4kg (including battery)	Main unit: 8kg Cable drum: 11.7kg (50m roll) (with cart: 17.5kg) Controller: 3.0kg Battery Box: 4.0kg Power box: 2.0kg	Main unit: 14kg Cable drum: 11.7kg (50m roll) (with cart: 17.5kg) Controller: 3.0kg Battery Box: 4.0kg Power box: 2.0kg	Main unit: 38kg Cable drum: 25kg (100m roll) Controller: 10.5kg Power box: 4.8kg
Accessories	1. MogRepo: software for helping creating reports (for all robots) 2. Remote controller (for Mogurinko only)			
Options	1. External monitor (for Mogurinko) 2. Vacuum cleaning trailer (for HyperMogurinko only)			

*Above specifications are subject to changes without notifications. *Customisations are possible on request. Please contact us.

■ Manufactured and distributed by



Technical Solutions Company

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