

**STATE OF MINNESOTA
PRICING PAGE
(Typed Responses Required)
Crawler Inspection Camera System**

Price quote for:

Vendor Name: **MacQueen Equipment Inc.**
 Contact Person: **Bill McCarthy / Mike Purdy**
 Street Address: **1125 7th St E**
 P.O. Box:
 City, State, Zip **Saint Paul MN. 55106**
 Phone #: **651-645-5726**
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 Email Address: **bill.mccarthy@macqueengroup.com / mike.purdy@macqueengroup.com**

Spec #	Information Requested	Answer
1.0	Make & Model	Envirosight SAT Lateral Launch
	<u>Crawler:</u>	
	Number of drive wheels/tracks	8 wheels w/overlapping design
	Number of drive motor(s)	2
	Drive mechanism (chain, belt, gear, etc.)	Gear drive
	Does drive mechanism have a clutch	No
	Internal pressure rating	IP 68
	Pressurization method	CO2 cartridge w/regulator
	Does crawler maintain pressure if camera is removed	Yes
	Over/under pressure indicator light	On screen pressurization field with audible alarm if pressure falls below recommended pressure.
	Can repressurization be accomplished in the field	Yes
	Quantity, type & size of tracks/wheels included with base package	Eight 3.33" diameter rubber wheels
	Overlapping wheel design to prevent high centering	Yes
	Wheel/Track change tool requirement	Allen wrench (supplied)
	Wheel/Track change time requirement	8 wheel change is 8 minutes
	Minimum pipe diameter	6"
	Dimension-crawler only (LxHxW)	12.5 x 5.4" x 3.15"
	Overall length with camera attached	26"
	Weight of crawler	44 lb
	Overall weight crawler with camera attached	44 lb

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Spec #	Information Requested	Answer
	Material the crawler constructed from	Solid piece stainless steel
	Cable connector type to crawler	Stainless steel bayonet connector that will lock with 2 turns of outer stainless connector. Spring loader pin on crawler body shall lock connector in place. Waterproof with 1000 lb break strength
	Tools required to connect/disconnect crawler from cable	Hand turned
	Number of controls required to operate crawler	One pendant control for all crawler, lights, camera zoom
	Direction crawler can operate (example: forward/neutral/reverse)	Control pendant has all functions for crawler, forward/reverse/right/left. Crawler speed up to 75' per minute
	Is crawler steerable	Yes
	Does crawler have rear vision camera capability	Yes
	Inclinometer standard	No
	Power requirement (watts/amps/voltage)	50 Watts DC
	Is a Sonde device available	Yes in camera head for lateral locating
	<u>Camera:</u>	
	Pan & tilt	Yes
	Pan and tilt control type	Joy stick
	Home position control type	Yes with automatic return
	Pixels & lines of resolution	380,000 pixels w/420HTV lines of resolution
	Zoom (magnification optical & digital)	No
	Lux rating	1 Lux sensitivity
	Construction material	Stainless steel
	Lens type	4mm, f1.2, remote focus
	Lens field of view (VxHxD)	.025" to infinity/68 degree x 90 degree x 100 degree
	Black & white or color	Color
	Lighting type	LED light ring w/optional additional lighting
	Type of lighting control	Dial type w/infinite adjustment
	Field replaceable lights	Yes
	Focus (auto & manual)	Auto & manual

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Spec #	Information Requested	Answer
	Connection type	Stainless steel waterproof swivel loc-tite style. Locked & unlocked with T handle tool used for cable connection
	Dimensions (LxHxW)	72mm x 72mm x 72mm
	Camera weight	3.5 il
	Pressurization method	CO2 cartridge, field pressurization capable
	Internal pressure rating	IP 68
	Over/under pressure indicator light	On screen pressurization field with audible alarm if pressure falls below recommended pressure
	Does camera maintain pressure when removed from crawler	Yes
	Will camera connect to cable w/o crawler and be fully functional	No
	Maximum viewing angle for pan	360 degrees
	Maximum viewing angle for tilt	135 degree
	Camera controller have "home" position function type	Yes, one touch button automatic
	Does camera have the ability to view 360 degrees	Yes
	Field replaceable windshield on camera	Yes
	<u>Cable:</u>	
	Cable length	300' with 100' of launch cable
	Cable diameter	.19"
	Break strength	1000 lb
	Single or multi-conductor	Multi-conductor
	Repairable	Yes
	<u>Cable Reel:</u>	
	Motorized (yes/no)	Yes
	Drive type	Motorized utilizing a slip ring design using gold & rhodium housed in an environmentally sealed housing
	Automatic pay-out, or pulled by crawler	Auto pay-out
	Automatically payed-in	Yes with speed & torque controls
	Cable reel level wind system	Auto level wind system
	Drum emergency stop switch	Drum has (red) emergency stop button for the operator.

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Spec #	Information Requested	Answer
	Resettable counter	Yes
	Counter-mechanical or electronic	Electronic
	Forward/reverse engagement control type (manual or electronic)	Electronic
	Speed control type	Pay out and in is controlled by the speed of the crawler knob type control on cable drum
	Type of torque control	Knob type on cable reel
	Overheat sensor	Yes
	Cable reel capacity	300
	Portable	No (stationary mount)
	Dimensions (LxHxW)	29" x 11.8" x 26.5"
	Power requirements	2 amps
	<u>Central Control Unit:</u>	
	Power requirements	4 amps
	Circuit protection type	Fuse & circuit breakers
	Video in/out	Video BNC connector & RS232 for text and footage data to software
	Type of text generator	On screen text & information fields. Includes help directory and will store data for 30 days after the power is turned off.
	Keyboard	Yes
	Desktop camera control	Yes
	Number of video text generators on-screen	7
	Video display of footage, time and date	Yes
	Warranty	1 Year
	BASE UNIT PRICE:	\$129,255.00

VENDOR NAME

MacQueen Equipment Inc.

MAKE AND MODEL

Envirosight SAT Lateral Launch

Spec #	Description	Qty	Price	Subtotal
1.0	Price for base unit: Includes DCX5000 Desktop Controller with CCUI, RXSAT QCD 140 Crawler, PTP50 SAT Pan and Tilt Camera, AC40 SAT Axial Camera, RAXSAT 150 Cable Reel with 150M Cable and 30M SAT Push Cable, RAX300 Cable Reel with 300M (1000') cable and reel mounting frame, double manhole bottom roller, guide pipes for 150mm – 500mm, connection cables, pressurization kit, and Wincan VX entry license.		\$ 129,255.00	\$ -
1.1	Crawler Options Use this section to offer crawler options. Number items starting with 1.11, 1.12, etc. Use as many numbers as you need.			
1.11	Additional RX140 SAT Crawler		\$ 41,600.00	\$ -
1.12	V-lock Cam 2 receiver locator with hard carrying case and headphones		\$ 2,808.00	\$ -
1.20	Wheel Options Use this section to offer wheel options. Number items starting with 1.21, 1.22, etc. Use as many numbers as you need.			
1.21	D85x18 wheel (small rubber) each		\$ 243.00	\$ -
1.22	D120x31 wheel (medium rubber) each		\$ 286.00	\$ -
1.23	D150x52 wheel (large rubber) each		\$ 291.00	\$ -
1.24	D175x88 wheel (XXL rubber) each		\$ 567.00	\$ -
1.25	ELKA D85x18 wheel (small grease) each		\$ 243.00	\$ -
1.26	ELKA D120x31 wheel (medium grease) each		\$ 351.00	\$ -
1.27	ELKA D150x52 wheel (large grease) each		\$ 399.00	\$ -
1.28	HMS D85x18 wheel (small aggressive) each		\$ 459.00	\$ -
1.29	HMS D120x31 wheel (medium aggressive) each		\$ 604.00	\$ -
1.30	HMS D145x52 wheel (large aggressive) each		\$ 621.00	\$ -
1.30	Camera Options Use this section to offer camera options. Number items starting with 1.31, 1.32, etc. Use as many numbers as you need.			
1.31	Additional Pan and Tilt PTP50 Camera		\$ 15,236.00	\$ -
1.32	AC52 Camera		\$ 6,864.00	\$ -
1.33	AC40 Camera		\$ 4,888.00	\$ -
1.40	Lighting Options Use this section to offer lighting options. Number items starting with 1.41, 1.42, etc. Use as many numbers as you need.			
1.41				\$ -
1.50	Control Consoles Use this section to offer control console options. Number items starting with 1.51, 1.52, etc. Use as many numbers as you need.			
1.51			\$ 2,908.00	\$ -
1.60	Cable and Cable Drum Options Use this section to offer cable and cable drum options. Number items starting with 1.61, 1.62, etc. Use as many numbers as you need.			
1.61				\$ -
1.70	Other Crawler Options Use this section to offer crawler options. Number items starting with 1.71, 1.72, etc. Use as many numbers as you need.			
1.71	Rover X main line Crawler / Camera added to SAT Lateral Launch		\$ 31,320.00	\$ -
1.72	Pressurization Kit with CO2 canister		\$ 366.00	\$ -

Spec #	Description	Qty	Price	Subtotal
1.80	PERFORMANCE OPTIONS Use this section to offer performance & extended warranty options. Number items starting with 1.81, 1.82, etc. Use as many numbers as you need.			
1.81	1 Year warranty on Rovver X components			\$ -
1.90	EXTENDED WARRANTY OPTIONS Use this section to offer performance/warranty options, number these items starting with 9.1, 9.2, 9.3, etc. (Specify years, miles or hours extended term covers.)			
1.91			Price:	\$
1.20	VENDOR OWNED RENTAL RETURN OR DEMO EQUIPMENT PROGRAM See Solicitation Special Terms and Conditions. DEDUCT cost per Used Hour from the original Contract Price		\$15.00	
2.0	DISCOUNT OFF LIST PRICE FOR RELATED PARTS AND ACCESSORIES (See Special Terms and Conditions)			%
	Price List Date and Number		\$	
2.1	NEW EQUIPMENT RENTAL PROGRAM If rental programs are available on the new equipment offered, with the option to purchase, list the hourly/weekly/monthly rental rate. Indicate the percent of rental fee paid by the purchaser that will be applied to the purchase price. See Solicitation Special Terms & Conditions.			
	Hourly Rental Rate:		\$	
	Weekly Rental Rate:		\$	
	Monthly Rental Rate:		\$	
	Percent (%) of Rental Fee applied to purchase price:			%
2.2	Delivery Starting Point (city, state, zip code)			Saint Paul MN, 55106
2.3	Price per loaded mile			\$5.50