

# SLURRYCATFISH 4000 TYPE 1



COMPACT  
LIGHTWEIGHT  
EASY TO TRANSPORT  
&  
DEPLOY

DREDGING OF HDPE  
LINED PONDS AND  
WASTE WATER  
TREATMENT PONDS

LAND BASED REMOTE  
CONTROLLED  
OPERATION

ELIMINATES OHS&S  
PROBLEMS

AUTO SLUDGE HUNTER  
UNIQUE ABILITY TO HUNT FOR  
SLUDGE BY AUTOMATICALLY  
MONITORING PUMP  
AMPERAGE

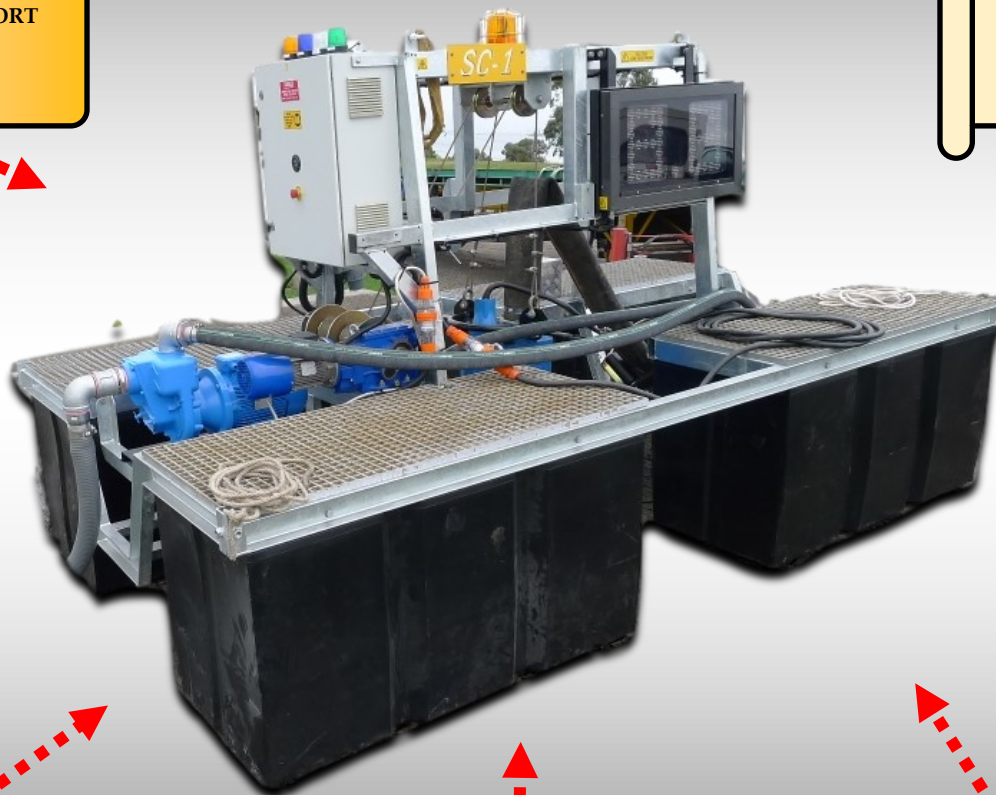
AUTO-REVERSE  
OPERATION

MINIMAL OPERATOR  
ATTENTION

CUTTER PUMPS

HANDLES STRINGY SOLIDS AND  
FIBROUS MATERIAL WITHOUT  
CLOGGING

INBUILT SMART  
CONTROL  
VARY PUMP ING RATE AND DEPTH  
TO OPTIMISE SEDIMENT  
EXTRACTION RATE

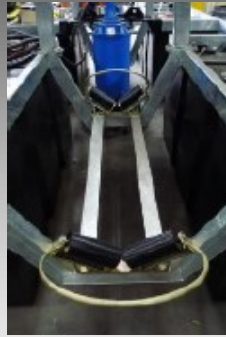


# Compact...Feature Rich...Simple to Operate...



## Submersible Cutter Pump

- Solids handling non-clog submersible pump with a unique tungsten carbide tipped single or multi-vane impeller



## Discharge Guide

- Suits 4" to 6" Hose
- PU rollers
- Zinc passivated frame



## Pump Winch

- Electric operation
- High Break strength wire rope
- DepthDetect™



## Traverse Mechanism

- Variable speed
- AutoReverse™



## Depth Display

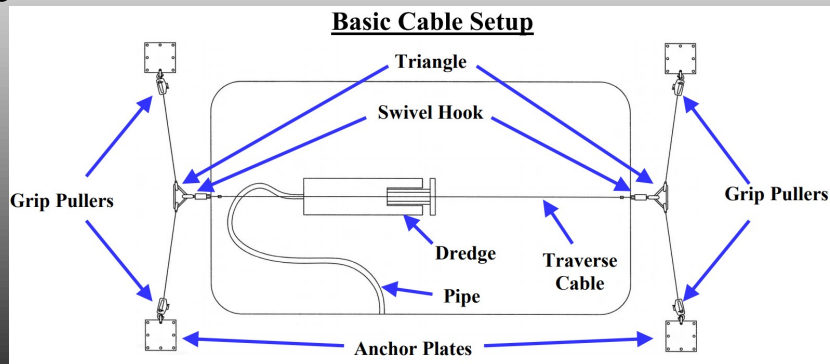
- Waterproof
- LED display



## Water Jetting Pump

- 3" high pressure pump

## Small in Size - Big in PERFORMANCE



# Technical Specifications

## SLURRYCAT™ 4000 – TYPE 1

### OVERALL DIMENSION

|        |            |
|--------|------------|
| Length | 4.4 m      |
| Width  | 2.4 m      |
| Height | 2.3 m      |
| Weight | 2.5 Tonnes |

### FLOATATION MODULE

|            |  |
|------------|--|
| Dimensions | Four float cells, each measuring 1.61 m x 0.6 m x 0.85 m |
| Draft      | 50 cm  |

### WORKING CAPACITY

|                        |                  |
|------------------------|------------------|
| Capacity (clear water) | 4,000 L/min      |
| Head                   | 20 m             |
| Dredging depth         | Up to – 8 metres |
| Discharge pipe         | 150 mm (6")      |

### MAIN PUMP

|                        |                       |
|------------------------|-----------------------|
| Type                   | Submersible sand pump |
| Discharge              | 200 mm (8")           |
| Impeller diameter      | 340 mm, 4 vanes open  |
| Max. solid handling    | 40 mm                 |
| Speed                  | 1,450 rpm             |
| Phases                 | 3                     |
| Frequency              | 50/60 Hz              |
| Voltage                | 400 V                 |
| Power                  | 22 kW                 |
| Capacity (clear water) | 4,000 L/min           |
| Head                   | 20 m                  |
| Working depth          | Up to – 8 metres      |

### POWER SOURCE

|       |                           |
|-------|---------------------------|
| Type  | On-shore diesel generator |
| Power | 80 kVA, 100 A continuous  |

### AGITATOR

|                |  |
|----------------|--|
| Type           | Water jetting ring   |
| Water capacity | 850 L/min  |
| Pressure       | 6 – 7 bar  |
| Drive          | 7.5 kW, 3" (DN80) deck-mounted horizontal high pressure pump |

### MANOEUVRING MECHANISM

|                    |  |
|--------------------|--|
| Type               | Traverse wire rope                             |
| Drive              | 1.5 kW brake electric motor coupled to gearbox |
| Wire rope diameter | 8 mm, galvanised                               |

### ELECTRICAL SYSTEM

|         |       |
|---------|-------|
| Voltage | 400 V |
|---------|-------|

### DREDGING INSTRUMENTATION

|                                      |                |
|--------------------------------------|----------------|
| Dredging depth indicator             | - DepthDetect™ |
| Automatic reverse at end of traverse | - AutoReverse™ |
| GPS Positioning                      |                |

### FEATURES

|                             |  |
|-----------------------------|--|
| Overall remarkable features | Compact design which allows easy transport by road. Sturdy, robust design with high quality components           |
| Safety                      | Remotely controlled via belly pack controller with no operators on-board. The control range is up to 300 metres. |
| Anti-corrosion              | Hot dipped galvanised frame, sacrificial zinc anode block, rotomoulded Polyethylene float cells                  |



The SlurryCat™ 4000 – Type 1 can be transported to any work site on a standard semi-truck/trailer

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