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DUGLESS 900



www.delreypartners.com





Designed and built by MINPROVISE, the DUGLESS 900 is an automated digging and cleaning unit capable of safely maneuvering under low conveyor sections and other inaccessible places to remove spillage and blockages without any risk to workers or equipment.

BENEFITS:

- No conveyor shutdown required during maintenance
- Easily accesses low ground clearance conveyor frames
- No manual labour needed
- Improved safety, Lower accident risk
- Improved productivity
- Greater cost efficiency
- Designed to prevent drive machinery breakdowns



FEATURES:

- Remote-controlled
- Simple 2 joystick hand remote harness
- Only 560mm tall
- Self-levelling 4 in 1 bucket heaped capacity of 0.13m³

CASE STUDY 1:

The efficiency of the machine is proven. An example of this being at an iron ore site where one person operating the remote-controlled DUGLESS was able to reclaim 300 tonnes of iron ore spillage from under the conveying system at the stockpile in only 12 hours. In industry productivity terms, the payback period is minimal.



CASE STUDY 2:

The DUGLESS 900 is the ideal solution for cleaning out and general maintenance work on concrete box culverts. It alleviates issues with alternative over-sized skid steer type units and reduces health and safety risks associated with physical, manual cleaning.

ACHIEVEMENTS:

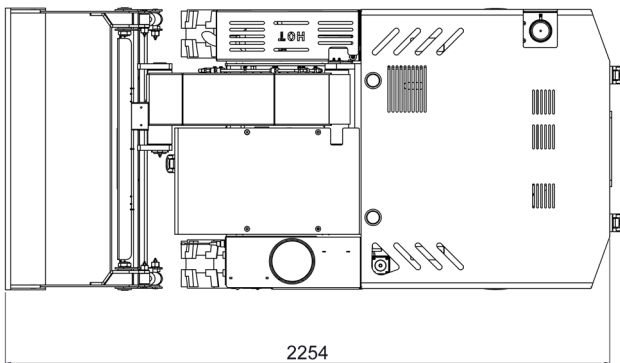
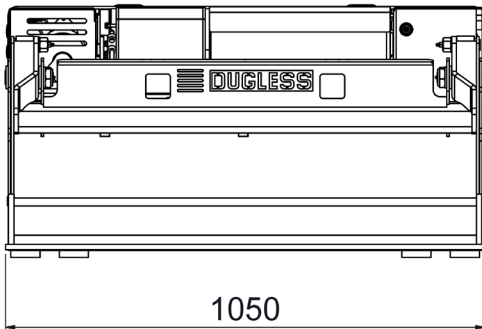
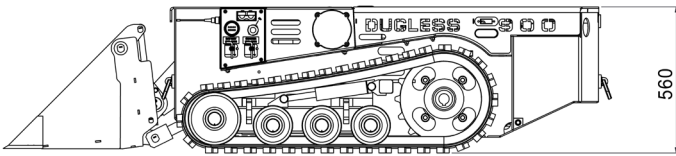
2009 Year of launch to market:

- Winner of Bulk Materials Handling Award – London's Mining Magazine
- Winner of Best Practice in OH&S Category – 4th Australian Bulk Handling Awards
- Finalist in the Innovative Mining Solutions Category – 6th Annual Mining Prospect Awards



Since its launch, the DUGLESS 900 has proven its success globally to the mining & bulk material handling industries.

Model - DUG900, Weight - 900kg
Patent Pending



ENGINE

Lombardini 2 Cylinder, Air Cooled, Fuel Injected Diesel
 Continuous Power 12.0kW
 Donaldson Top Spin Pre-cleaner and custom filter assembly
 Air filter system includes blocked filter indicator

HYDRAULIC SYSTEM

Hydraulic Motors - Danfoss
 Hydraulic Pumps - Parker (Direct Drive)
 Proportional Solenoids - Danfoss
 Return Filter
 In Line Oil Cooler

SYSTEM PROTECTION

Hydraulic Oil High Temp Auto Thermal Fan
 Hydraulic Oil Low Level Shut Off
 Engine Oil Low Pressure Shut Off

BUCKET

Struck capacity - 0.10 m³ Heaped capacity - 0.13 m³
 4 in 1 Bucket Type
 Self levelling

ANGLE OF DEPARTURE

20 Degrees
 Worklights Front and Rear

TRACKS

Rubber Tracks
 Multi-idlers
 Hydraulic Tensioning Arrangement
 Speed 3.5 KPH

SAFETY FEATURES AND OPTIONS

- Automatic shutdown if the controller is dropped or tilted more than 45 Degrees
- Optional laser barriers available
- Cameras

REMOTE CONTROL SYSTEMS

Conforms to ASNZ 4240-1994 Radio Remote Controls for Mining Equipment, and ASNZ 1418.1 - 1994 Cranes Part 1: General Requirements

REMOTE CONTROL FEATURES

- IP65 Hand Control - Two Joystick Controls (see layout)
- Display calibration of the proportional functions
- Spare Battery
- Automatic frequency selection with 16 unique frequencies



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