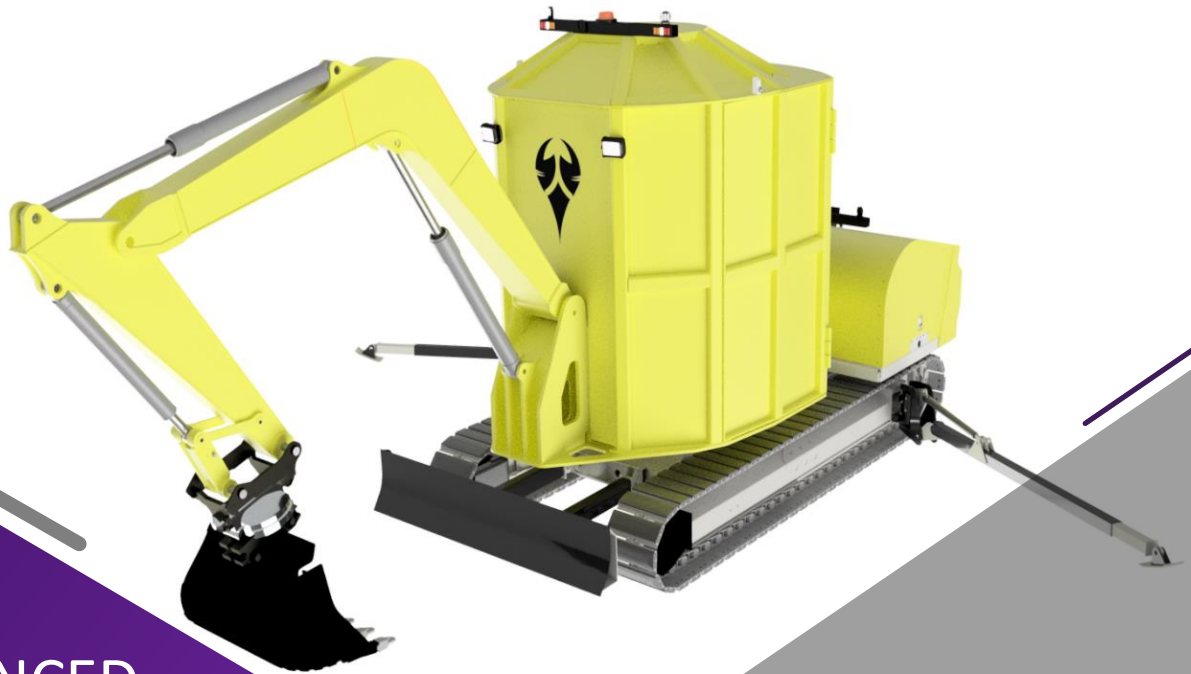




SCORPION SCALERS



AN ADVANCED
REVOLUTIONARY
STEP IN OPEN-PIT
HIGHWALL SAFETY
MANAGEMENT

SAFETY

Delivers the ultimate safety in spall scaling and inaccessible open cut benches/berms. Controlled remotely from independent operator station.

STABILITY

Unlimited open cut face angle operation.

VERSATILITY

Ability to operate 24 hours per day.

FLEXIBILITY

Bucket, Ripper, Hydraulic impactor – as standard. Drill, shotcreting, meshing – future options.

SERVICEABILITY

Designed for easy access to all service points, mechanical and electronic modules.





FEATURES & SPECIFICATIONS

ENGINE

- Gross Power 49.7kW / 66.6 hp

WINCH SYSTEM

- Dual 160kN capacity winches c/w.
- Fleet Angle Winders 14-26° cap.
- Rope fault detection–data acquisition.

TRACK BASE

- Track Length 4.45mts (14'7")

STABILISER LEGS

- Hydraulic Extendable both sides
- Total Span 10.5mts (34'5")
- Vertical pivot for rapid repositioning.

LIGHTING

- 11 x LED lights totalling 22,780 Lumens.

WEIGHTS

- Operating Weight (Nominal)* 18,000 kg
39,683 lbs (*Depending on options.)

STICK REACH

- **Horizontal:**
 - 7.5 m (24'7)
- **Vertical:**
 - 5.8m (19'0") – Above track base
 - 4.1m (13'5") – Below track

SLEW SYSTEM

- 360 degree rotation – 3 slew motors.

ROCK PROTECTION

- Chobham armour concept incorporating steel plate and composite panelling.

NON DESTRUCTIVE TESTING (NDT)

- Live rope condition monitoring (fault finding and data acquisition).



MACHINE VISION SYSTEM

- Advanced Augmented Reality (AR) User Interface (UI) for primary vision, fed from 3D camera
- 6 x secondary 2D cameras for situational awareness for 360° vision.
- 1 x 3D depth sensing camera.

THE STINGER™ DEPLOYMENT RETRIEVAL SYSTEM

- Design specific to suit mine supplied anchor tool. E.g. Dozer, Loader.
- Hydraulic actuated for deployment and retrieval of the Scorpion Scaler™.
- Dual 240kN winch recovery redundancy system.

THE SCORPION COMMAND™ STATION

- Remote stand alone or trailer mounted.
- Air Conditioned.
- Weatherproof.
- Own power source 10kVa, 240V diesel genset
- Fully integrated camera and operational systems.
- Observer station interlinked to mine control and or geophysics department.
- Advanced Line of Sight (LOS) remote system.
- Skid pack for ease of load and unload activities.

ATTACHMENTS

- **Standard:**
 - Multi positioning rotating hitch fitted to stick
 - Blade 2.3mts (7'6")
 - Rock Bucket (300-600mm)
 - Ripper
 - Hydraulic Impactor – 430kg (946lbs)
 - Onboard Fire Suppression System
- **Optional:**
 - Hydraulic drill and boom (aftermarket)
 - Shotcrete (aftermarket)

All specifications are provisional and subject to confirmation.

COMPANY OVERVIEW

Scorpion Scalers™ forms part of the Jayben Group of companies which was founded in 1927.

- 250+ vehicles manufactured under the Sewell Sweepers brand.
- Multiple wheeled and tracked specialised vehicle projects.
- 4,000+ m² of Australian Manufacturing footprint.
- Domestic and international exporting experience of over 15 years.
- 3 years ISO9001:2015 certified.
- 1,350+ day Lost Time Injury (LTI) free.
- 100% Australian owned and operated.

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**SCORPION
SCALERS**