

# COBRA

PROJECTS



SPECIAL VEHICLES

## COBRA Projects Vehicle Solutions

Vehicle description and specification guide 2018

A dramatic volcanic eruption is captured in this image. A thick, dark plume of ash and smoke billows upwards from a dark, rocky vent, filling much of the sky. The plume has a textured, cauliflower-like appearance. In the foreground, dark, jagged rock formations frame the bottom and sides of the scene. The sky is filled with soft, white clouds, providing a stark contrast to the dark volcanic activity. The overall atmosphere is one of raw, powerful natural energy.

**OUR SOLUTIONS WILL...  
BLOW YOU AWAY!**

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## About COBRA Projects

A leader in custom-built, special use vehicles for mining across Africa and abroad.

Our innovation, integrity, honesty, and dependability ensure that we remain ahead of industry trends.

## Why Choose COBRA Projects?



Custom engineered



Heritage



Hands-on experience



Innovation leaders



**COBRA PROJECTS SPECIAL VEHICLES**

# COBRA Service Units ADT



Improved OEE



Increased bottom line



Minimise downtime



To minimise service time of your bottleneck machinery on site, we offer high flow rates of multi-products, including high volume grease transfer.



## FEATURES

- For off-highway ADT chassis cabs (CAT725-745, Bell B20-B40, Komatsu HM300-400, Volvo A30-A45)
- Customisable functions and volumes
- Diesel and lubes combinations available
- 80lpm for low viscosity oils and up to 60lpm for high viscosity oils
- 10-50lpm grease flow rate
- 350-1000lpm diesel flow rate
- Self-powered options
- Full hydraulic operation
- ISO filtration levels
- Optional notification of dispensed volumes via sms or internet (requires 3G or Wi-Fi coverage)

# COBRA Service Units RDT



Improved OEE



Increased bottom line



Minimise downtime



To minimise service time of very large machinery, we offer high flow rates of multi-products, from diesel to grease, on large RDT chassis.



## FEATURES

- For off-highway chassis cabs (CAT773 / CAT777 / HD465 / HD785 / EH1100 / EH1700)
- Customisable functions and volumes
- Diesel and lubes combinations available
- 80lpm for low viscosity oils and up to 60lpm for high viscosity oils
- 10-50lpm grease flow rate
- 350-1000lpm diesel flow rate
- Self-powered options
- Full hydraulic operation
- ISO filtration levels
- Optional notification of dispensed volumes via sms or internet (requires 3G or Wi-Fi coverage)

# COBRA Boxed ADT Service Units



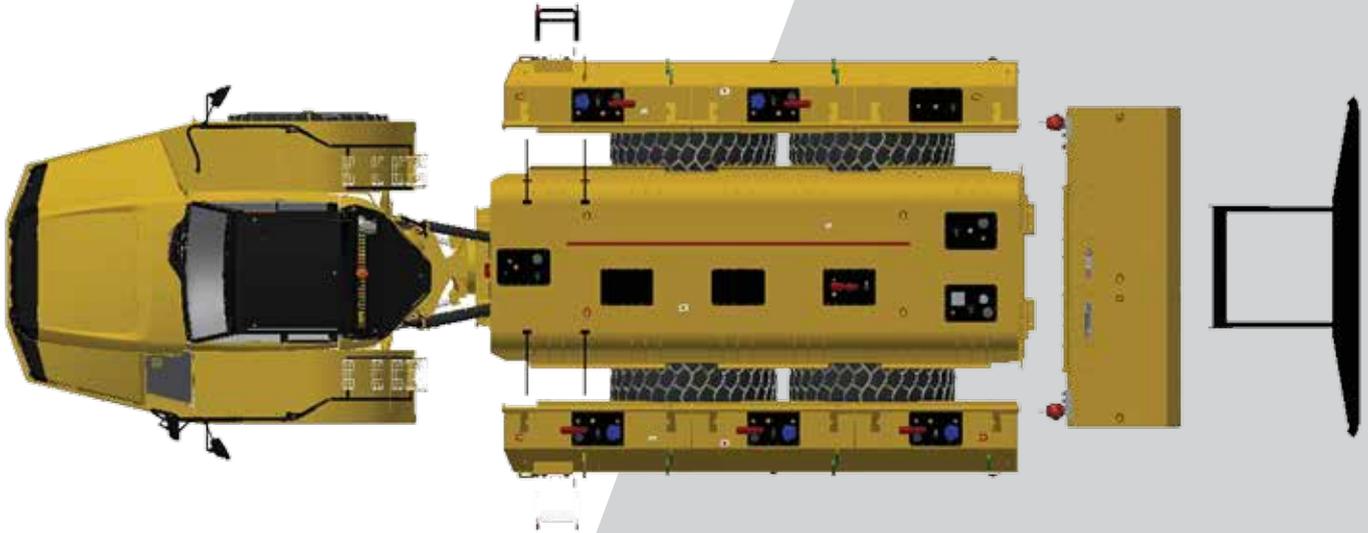
Reduced shipping time



Lower shipping cost



Global shipping



This unique design allows for the unit to be shipped in two containers, easily assembled onsite, and ensures lower shipping costs and faster shipping time.



## FEATURES

- Service body can be shipped in two containers to anywhere in the world
- Lower shipping costs
- Faster shipping time
- Fully factory tested prior to disassembly
- Low centre of gravity
- Quick on-site assembly
- Self-assembly manual supplied
- All other features are in line with those of a Cobra ADT Service Truck

# COBRA Lite Service Units



Single operator



Minimise downtime



High flow rates



To provide smaller operations with a lower capital cost unit that offers reliable storage of multi-products and good flow rates with the added benefit of quick fitment to the donor chassis cab.



## FEATURES

- Customised for 4x2, 4x4, 6x4 and 6x6 chassis cabs (Iveco, Mercedes, MAN, Volvo, Scania, Howo Renault)
- Ships in a 20' or 40' container
- Full hydraulic operation from donor chassis cab PTO
- Constructed for rapid fitment on-site
- High flow rates of filtered products
- High reliability and low ownership costs
- Lifting lugs for easy fitment
- Pneumatic or hydraulic powered
- Optional notification of dispensed volumes via sms or internet (requires 3G or Wi-Fi coverage)
- Self powered options

# COBRA Water Bowsers ADT



Dust control



Firefighting



Measurable water



These units offer up to 16 metres of road spray coverage and can be equipped with machine washing and/or firefighting capabilities.



## FEATURES

- For off-highway ADT chassis cabs (CAT 725-745, Bell B20-B40, Komatsu HM300-400, Volvo A30-A45)
- Robust proven designs
- Directly coupled hydraulic water pump combination
- Hydraulically activated spray head
- Measurable water system option
- Ground speed water flow control option
- Machine washing deck option
- Firefighting monitor (including AFFF or CAFS) options

# COBRA Water Bowsers RDT



Single operator



Robust unit



Firefighting



These units offer up to 16 metres of road spray coverage and can be equipped with machine washing and/or firefighting capabilities.



## FEATURES

- For off-highway RDT chassis cabs (CAT773 / CAT777 / HD465 / HD785 / EH1100 / EH1700)
- Robust proven designs
- Directly coupled hydraulic water pump combination
- Hydraulically activated spray head
- Measurable water system option
- Ground speed water flow control option
- Machine washing deck option
- Firefighting monitor (including AFFF or CAFS) options
- Inspection hatch
- Options for internal epoxy coatings

# COBRA Diesel Bowsers ADT



High flow rates



Robust unit



Accounting control



To rapidly replenish the daily diesel consumed, our bowzers offer high and low volume dispensing from the same pump and filter arrangements.



## FEATURES

- For off-highway ADT chassis cabs (CAT725-745, Bell B20-B40, Komatsu HM300-400, Volvo A30-A45)
- Quick change-out modular pump filter arrangements
- 120-700lpm or SUPA flow 1000lpm
- Dual flow from single pump
- Water removal and diesel polishing options
- Bowser refill rate up to 1200 litres/min from tank farm with pressureless auto shut-off on the Cobra unit
- Level displays for daily reconciliation
- Optional notification of dispensed volumes via sms or internet (requires 3G or Wi-Fi coverage)

# COBRA Lite Diesel Bowers



High flow rates



Reduced capital investment



Robust unit



Easily and quickly installed, this lower capital cost unit is ideal for smaller operations, controlling diesel usage whilst offering the most effective means of refuelling.



## FEATURES

- Suitable for 4x2, 4x4, 6x4 and 6x6 chassis cabs (Iveco, Mercedes, MAN, Volvo, Scania, Howo, Renault)
- Ships in a 20' or 40' container
- Level display for daily reconciliation purposes
- Robust hydraulic unit powered by chassis cab PTO or auxiliary engine
- Quick change pump/ filter module
- Asized metering
- Optional notification of dispensed volumes via sms or internet (requires 3G or Wi-Fi coverage)
- Optional water removal

# COBRA AUSROAD Stemming Units



Single operator



Improved OEE



Health and safety



This unit offers the ability to complete a bench of 200-300 holes in one shift with one operator, with a pre-set amount of stemming placed into each hole. No more relocation of stockpiles as the unit can run a few kilometres to the stock yard and there is also no wastage of aggregate when filling the holes.



## FEATURES

- For on-highway chassis cabs (6x4, 8x4)
- Up to 1000kg/min stemming rate
- Up to 16m<sup>3</sup> of stemming aggregate per load
- Single operator/driver with in-cab joystick control
- Intuitive operator interface
- Ships in a 20' or 40' container to be fitted to chassis cab on site
- Slew conveyor for stemming holes close to the edge of bench

# COBRA Mine Firefighting Units



Cobra offers a range of firefighting units from drop-in units suited to Land Cruisers through to units that mount on ADT's. Units can be equipped with CAFS and/or AFFF.



## FEATURES

- Rugged construction suited to mining
- Rescue equipment as required, including sky platforms
- Multiple compartment storage for branches, hoses, and equipment
- Aerial platform monitor (28m)
- Tank mount monitor
- 23,000 litres of water
- Foam induction systems

# INDUNA Fire Rescue Pumper



European style medium-major fire and rescue pumper, mounted on a commercial 4x2 or 4x4 chassis, single or crew cab, specifically designed for the mining environment.



## FEATURES

- All aluminium superstructure
- 5 locker compartments fitted with roller shutter doors
- Slide out racking for tools
- Mild steel water tank up to 4,000L
- Stainless steel foam tank
- PTO driven rear mounted fire pump single or multi stage up to 6000lpm
- Around the pump foam proportioning system
- Single or dual hose reels up to 60m
- GEN IV emergency warning system

## OPTIONS

- Bullbar and winch
- Slide-in ladder compartment
- Telescopic light mast or integrated scene lights (LED technology)
- Driver-assist camera system
- Manual/remote control deck monitor
- Ground sweeps and under truck sprayer system
- Complete range of fire and rescue equipment

# COBRA Underground Units



Custom engineered



Improved OEE



Time saving



Dust control



Service modules and water modules to suit underground machines and underground vehicles (CAT AD30, CAT AD20).



## FEATURES

### Service modules

- Multi-product lube and diesel units
- Hoist hydraulic powered
- Self powered options

### Water modules

- Directly coupled water pumps
- Rear and side spray configurations
- Front or rear mounted monitor

# COBRA Special Use Trucks



Custom engineered



Improved OEE



Time saving



To improve your OEE Availability scores, Cobra designs units to customer specifications. These are often multi-purpose units.



## FEATURES

- High pressure and high-volume water wash trucks
- GET support vehicles
- Drill rod and drill rig support
- Mobile workshops
- Service units with crane

# COBRA Water Wash Units ADT



Water efficiency



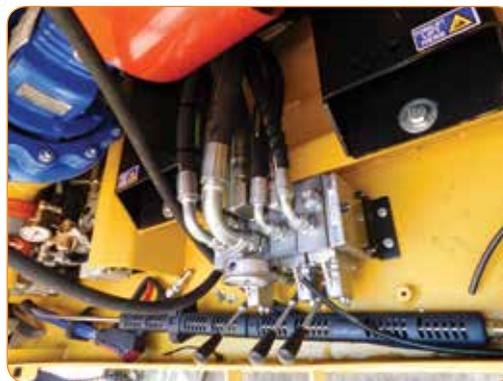
Minimise downtime



Improved OEE



To rapidly and effectively prepare large machines for maintenance, Cobra has designed dedicated wash units to simultaneously clean booms, tracks, platforms and specific work areas by using multiple high pressure and high volume washing outlets.



## FEATURES

- For off-highway ADT chassis cabs (CAT725-745, Bell B20-B40, Komatsu HM300-400, Volvo A30-A45)
- Specialised machine-washing operation
- High and low level multi reel functions
- High pressure and ultra high pressure washing functions
- Firefighting option (including AFFF or CAF's) if required

# COBRA Water Wash Units RDT



Water efficiency



Minimise downtime



Improved OEE



To rapidly and effectively prepare large machines for maintenance, Cobra has designed dedicated wash units to simultaneously clean booms, tracks, platforms, and specific work areas by using multiple high pressure and high volume washing outlets.



## FEATURES

- For off-highway RDT chassis cabs (CAT773 / CAT777 / HD465 / HD785 / EH1100 / EH1700)
- Specialised machine-washing operation
- Roof mounted reels and monitors for washing at elevated heights
- Ground mounted reels for hosing down tracks and frames
- Firefighting option (including AFFF or CAF's) if required

# COBRA Daily Service Units



Robust unit



Fast pumping



Small unit



Suitable for daily support of lighting plants, cell towers, remote machines and water pump stations.



## FEATURES

- Full PTD hydraulic operation
- Multi product
- Addition of QMW FOPS for underground use is an option
- Good flow rate of filtered product

# LOADQUIP 120T Tilting Low Loader



Single operator



Minimise downtime



Time saving



This 120 ton Tilting Low Loader is rear-loading, designed specifically for rapid load/unload and one person operation, which facilitates short distance repositioning of tracked equipment.



## FEATURES

- Rapid load and unload
- Simple 3 button remote control operation
- 10% grade capability
- One person operation
- Braking in accordance with ISO3450
- Float life in excess of 50,000 hours
- Expected operational life of 20 years

# QMW ROPS and FOPS



Health and safety



To protect drivers and passengers, Cobra manufactures, under license, the QMW range of ROPS (ISO 3471 certified) and FOPS (ISO 3449 certified) for HDV equipment. The range has structural optimisation through the use of finite element analysis (FEA) and certified destructive testing, combined with contemporary styling techniques. Q-ROPS provide a lightweight, cost effective and value adding solution for full mine compliance on any make and model of truck.



## FEATURES

- Full mine compliance
- Maximum truck payload
- Lower front axle loading than competitors
- Lower wind resistance than competitors
- Quick installation, for either a factory or on-site fitment
- NATA destructively tested and certified to ISO3471 ROPS/FOPS
- NATA accredited mechanical ROPS/FOPS Testing Facility (Accreditation No. 15369)
- Optional mounting brackets for work lamps, beacons, Collision Avoidance Systems and fire extinguisher
- Optional two pack color scheme to complement company livery

# QMW Man Baskets / Work Platforms



To provide a stable, robust and safe platform for underground applications, the QMW range offers extensive configurations, in compliance with AS1418.10 standards. Custom developments are available on request and are designed to meet the applicable standards in their applications.

## FEATURES

- Work application baskets
- Range of weight load limit
- Quick hitch or pin on
- Work/Toolbox options

# QMW Fan Service Underground Work Platform



Health and safety



The QMW dynamic fan and silencer service platform is designed to provide a stable, robust and safe platform for underground applications, in compliance with AS1418.10, EN280:2001 and MEWP standards.

## FEATURES

- Unique design allows for setup and pack away of platform and handrails by 1 person
- Suitable for fans 1100mm-1400mm in diameter – weight up to 3.5 Ton
- Combination cradle for underground fan and silencer
- Quick hitch or pin on
- Access and egress on all 4 sides
- For various wheel loader models (Bell, CAT, Hitachi, Komatsu, Volvo)

# QMW Dual Charge ANFO Underground Work Platform



Health and safety



The ANFO underground work platform is designed to provide a stable, robust and safe platform for underground applications. This equipment comprises two pressure pots used for the underground loading of ANFO, and is designed in compliance with AS1418:10 standards.



## FEATURES

- Twin 250kg ANFO kettles
- Quick hitch or pin on
- 2 x heavy duty day detonator boxes
- Access and egress both sides
- Scaling bar holders
- Corner wind deflectors
- For various wheel loader models (Bell, Hitachi, Komatsu, Volvo)

# ADE Electrical Access System



Health and safety



The ADE all electric access system is a step ladder access design that can be fitted to most mining, earthmoving and rail equipment. This access system is designed in compliance with AS1657-2013 & AS3868-1991 standards. Requiring no hydraulic power pack for operation means a very competitively priced access system solution. This system can be fitted to mobile equipment requiring a powered folding step ladder-type access solution.

## SUITABLE FOR

- Both on-and off-highway trucks
- Loaders
- Graders
- Drill rigs
- Rail

# CMP Towlinks



The rigid tow links are for towing broken down dump trucks in a safe manner.



## FEATURES

- Tow behind a small truck to the broken-down dump truck
- Hydraulic activation to position on towed and towing vehicles
- 830E models suit 830E
- Optional HPU's for power to brake release and electrics

# COBRA Projects Location



26°14'46.5"S 28°05'49.3"E



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