

canning conveyor engineering & bulk handling



Canning Conveyor



Canning Conveyor Co. Ltd. was founded in September 1965 and in the early days its main activity was trading in conveyor belting.

Its original employees worked in a field, in the open air, and in all kinds of weather. But even in such arduous and basic conditions the customers requirements were fulfilled, and the hard lessons learned were good grounding for future years of successful trading.

Over three decades of development now see the company located in a fine complex of industrial buildings and offices.

Years of experience supplying the mining, quarrying, mechanical and civil engineering, fishing, farming, and film making industries, have made Cannings a leading name throughout the world.

Our trade is divided up as such - one third to direct users in the UK, one third to other retail outlets and vulcanising companies in the UK, and one third export.

Whether the demand is for a simple belt fastener or a mile long belt conveyor - from a single roller to the design, manufacture and installation of a complete handling plant, Cannings are able to supply with excellent professional efficiency.



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Canning Conveyor



Canning Conveyor Company Limited engineering division offers over 35 years of experience in the design, manufacture, supply, installation and commissioning of bulk materials handling equipment and conveyors to the extraction industries world-wide. Canning Conveyor offer standard conveyor components and conveyor equipment from stock and also design and fabricate to suit customers individual requirements.

During this time, the company has built a world-wide reputation for the quality of its products and services being second to none. Our background and experience is such that we pride ourselves in offering a most thorough and reliable service to all our customers whilst maintaining our competitive prices.

A fully comprehensive range of equipment is offered incorporating conveyor rollers and drums, drive units, complete conveyors and materials handling systems and associated equipment such as gear, crushers, screens, hoppers, feeders and weighers etc.

We can offer completely new, second hand or fully reconditioned plant and equipment or any combination of the above to suit customer requirements, all at competitive prices.

Our engineering works at Worksop, incorporates design offices with Auto CAD facilities, fabrication shop for single items up to 20 tonnes for manufacture, assembly and testing and a fully equipped and comprehensive machine shop.

This is backed up by the services of skilled erection teams for installation and commissioning and an after sales service for spares and maintenance.

Canning Conveyor has now become a name which is well known by the extraction and handling industries throughout the world with an established high reputation for providing total conveyor confidence.

Troughed Belt Conveyors

Canning Troughed Belt Conveyors are always individually designed to suit the particular application but are constructed from standardised components to gain the benefit of established design and economy of manufacture.

Any width of belt, length of conveyor, power or belt speed can be supplied, with drive heads incorporating standard power ranging from 0.75 kW to 150 kW and belt widths from 250 mm to 2150 mm available.

All types of supporting structures, towers, take-up units, walkways, platforms, stairways, belt covers, chute work, trip wire systems, electrics are supplied.

Second-hand/reconditioned frames and components can also be supplied subject to availability.

Frame sections can be of lattice braced, channel or angle construction, either welded sections with bolted joints or welded side panels and bolted cross members to enable frames to be packed flat to reduce shipping space and cost.



▲ Conveyor with walkway and belt covers roof tile installation



▲ Conveyor installation completed for Reservoir Aggregates Ltd. a joint venture company

▼ Replacement gantry with gravity take-up unit



Troughed Belt Conveyors

Latticed conveyor installation ▶



◀ Ship unloading conveying equipment supplied to South Coast Shipping



troughed belt conveyors

Flat Belt Conveyors

Canning Flat Belt Conveyors are available in a standard range or can be individually designed to suit specific customer requirements.

Standard belt widths vary from 100mm up to 150mm but conveyors up to a maximum belt width of 2150mm are available.



▲ Waste Sorting System supplied to WAC Waste Management

The conveyors can either be inclined or horizontal or a combination to suit and incorporating the top carrying strand in either flat carrying idlers or steel decking plate to suit application. Plated side skirting may be fitted along the full length of the conveyor as required with optional fixed or variable speed drive units.

Second-hand and reconditioned conveyors are also offered subject to availability.

The belt can be supplied with metal fasteners or vulcanised joint carried out prior to despatch or on site.

Fully integrated Cable Granulation Plant supplied to Thomas Bolton Process Metals Ltd.



▼ Package Handling Conveyor



Stockpile and Reclaim Conveyors



▲ Erection work in progress on stockpile conveyor supplied to Summerleaze Ltd



▲ Stockpiling stone

From receiving initial layout details and requirements Canning Conveyor offer a full service from design to manufacture, delivery, installation and commissioning to suit the application and customers individual requirements.

Stockpile and reclaim conveyors together with all associated equipment-Armco tunnels, hoppers, vibrating feeders and supporting structures can be supplied at competitive prices.

Electrical equipment and installation, control gear and trip wire systems are also available.



5000 tonne galvanised stockpile conveyor handling 1800 tph of sea dredged aggregates supplied to Brett Aggregates Ltd.



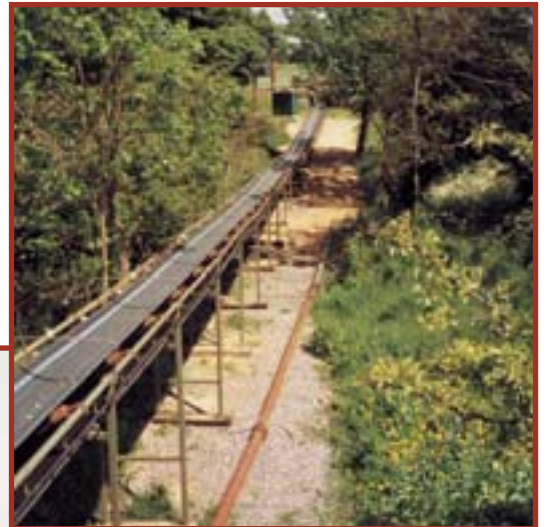
Field Conveyors

Canning Field Conveyors are available in a standard range of belt widths from 600 mm to 1050 mm or may be individually designed to suit specific applications.

We offer a full package from design, manufacture, delivery, installation and commissioning. Standard jib drive heads and loop take up units, intermediate sections and tail end units are available including any associated lattice sections and optional walkways which may be required. All ancillary equipment such as belts, electrical equipment and installation, control gear, emergency trip wire systems and full guarding are supplied to individual requirements together with foundation sleepers, scrapers and chutework.

Jib Drive Head Units are available with single or double drum drive arrangement with electric drives of either electric motor through vee belts and shaft mounted gearbox or couplings and worm reduction gearbox or gear unit. Diesel drive arrangement as optional. Loop Take Up Units are fitted with hand operated or electric winch to maintain belt tension and incorporates a sliding carriage. Standard intermediate sections complete with sprung suspended or transome type idlers as optional and flat return roller. Tail End Units come complete with receiving feed boot and close pitch idlers under feed.

Second-hand and reconditioned units can also be supplied subject to availability. Separate field conveyors data sheet available.



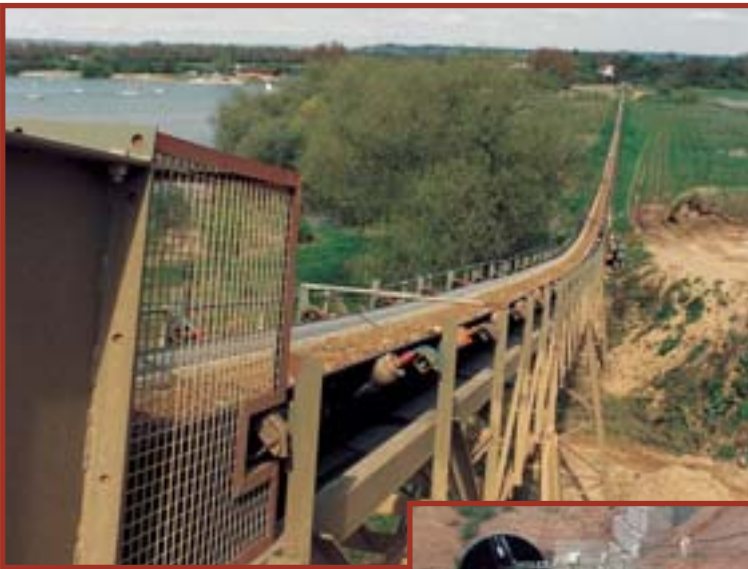
Part of a complete installation of four conveyors totalling 1.6km in length supplied to Summerleaze Ltd

Summerleaze

Field Conveyor crossing new bridge over River Thames, supplied to Summerleaze Ltd.



Field Conveyors



▲ Complete installation supplied to Tarmac Civil Engineering handling ballast for refurbishment of Irham Bridge -194, Manchester

Tarmac 

▼ Standard intermediate sections with central emergency trip wire system



field conveyors

CMC (Canning Modular Conveyor)

The CMC range offer medium to heavy duty service and can be assembled to any length in standard belt widths from 450 mm (18") to 1050 mm (42") wide, available in both static and mobile arrangement.

Due to its robust design, the CMC range will span 10-15 metres unsupported. The rolled steel angle lattice frame can be supplied either fully braced and welded construction with bolted joints, or in welded side panels with bolted cross ties and joints in flat pack form, especially suited for export.

The CMC range can be delivered in kit form modular units or in completely assembled form. The design enables quick and easy site assembly.

The head sections are of standard dimensions which are built up as one unit prior to despatch either welded or bolted construction. Drives can be via motor to either shaftmounted or worm reduction gearbox or geared motor as optional. The tail units are assembled with drum, idlers and take-up. A variety of optional extras are available which include supporting structure, walkways and covers. Further details are included on our CMC System data sheet.



▲ CMC Conveyor and Plant being installed in Nigeria



▲ CMC Installation on Coal preparation plant in Siberia



▲ CMC Kit Form Conveyors ready for delivery to Nigeria

CMC (Canning Modular Conveyor)



▲ CMC packed for export to Saudi Arabia, supplied to Saudi Arabian Oil Company



▲ CMC in kit form

▼ CMC Standard head and tail units



Mobile Conveyors

Canning Conveyor offer a variety of standard Mobile Troughed Belt Conveyors for various capacities and duties, from 500 mm to 1050 mm wide in lengths ranging from 6 m to 30 metre centres and also design and manufacture mobiles to measure up to any stockpiling, delivery or general purpose duty to customers requirements.

Mobiles are available in channel or lattice construction, with electric or diesel drives as optional.

Pneumatic tyred wheels mounted on swivel stub axle units, as optional.



▲ Stacking Conveyor

◀ Mobile Hopper/Feeder for agricultural application



Mobile Conveyors

Cannoflex flat or chevron belts available with metal fasteners or vulcanised joint as required.

Optional extras include belt covers, access walkway and stairway, head platforms, motorised slewing drives, head chutes, lining feed boot/chutes and electrics.

Second-hand and reconditioned are offered, subject to availability.



▲ Mobile Feed Conveyor and skid mounted hopper/conveyor unit handling shotcrete, supplied to Balfour Beatty.

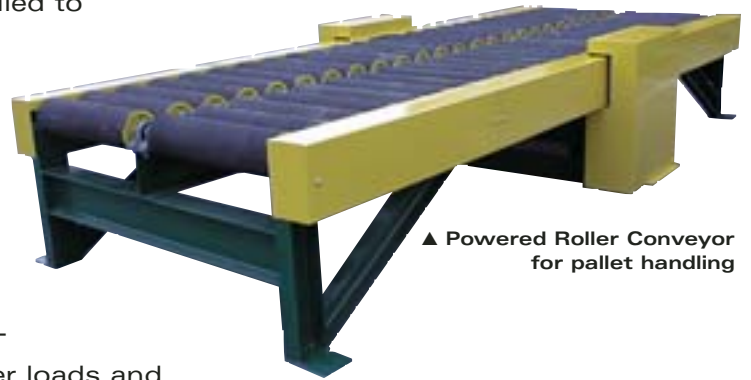
▼ Mobile linking conveyor as part of a snake system, supplied for operation in Iceland



▲ Conveyor incorporated in Crushing and Screening Plant Operation in Middle East

Slat Chain and Roller Conveyors

Slat and Chain conveyors can be supplied to work horizontally or at an incline or combination of both. Slats of hardwood or folded steel construction with roller chain fitted with attachments as required to carry slats.



▲ Powered Roller Conveyor for pallet handling

Slat conveyors due to their robust construction are suited for handling heavier loads and where loads have to be transferred on and off conveyor from the side.



▲ Slat Conveyor for slate handling system

A variety of roller track gravity and powered type are available in standard section, roller diameters and load capacities. Bends, guide rails, support strands, lift up sections, junctions and stops are available.

Rollers are available wired into conveyor frames or with spring loaded spindles. All conveyors are manufactured to suit individual requirements.



▲ Chain Conveyor for waste slate system

Second-hand conveyors can be supplied subject to availability.



▲ Roller Conveyor

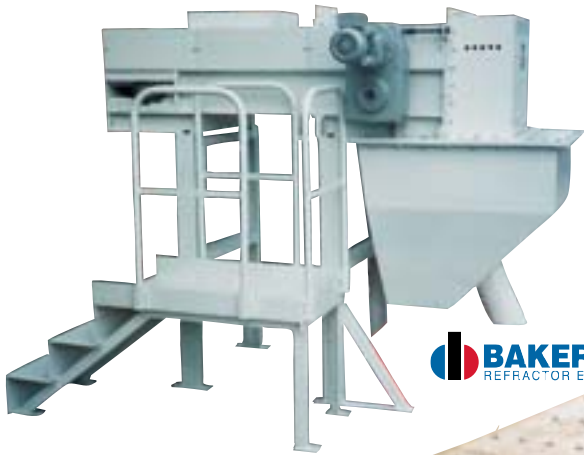
Conveyor Systems supplied to Alfred McAlpine Slate



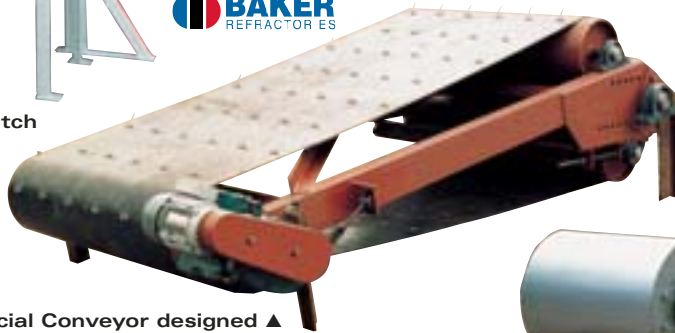
Purpose Designed Conveyors

Canning Conveyor offer purpose design and manufacture of conveyors and bulk materials handling equipment to suit customer requirements.

Wire mesh and sidewall type belt conveyors also available.



▲ Special designed Batch Processing Feeder, supplied to Baker Refractories



Special Conveyor designed ▲ for handling clothes



▲ Steel Slat Conveyor to carry nuts and bolts

Bucket elevators/trippers

A wide range of sizes and lengths of bucket elevators are designed and manufactured to suit individual applications, of vertical enclosed bucket type.

Castings of enclosed construction, dust sealed as required, in standard panels, including removable inspection panels at head, tail and intermediate points.

Buckets are mainly steel, but with stainless steel or plastic buckets available for food or corrosive applications.

Elevator casings are free standing with steel ties to adjacent structure or bin for stability.

Optional extras include platforms as required at head or intermediate positions, access ladders and stairways.

Travelling trippers are manufactured and designed to suit individual applications, hand propelled tyre or electrically driven, with single or two way chute arrangement.



▲ Complete bucket elevator installation



▲ Hopper feeder and elevator system supplied to G Owen & Sons Ltd.



▲ Tripper conveyor system for coal reclamation and backfill.

Quarry Plant and Equipment

Canning Conveyor can offer an extensive range of bulk handling and materials processing equipment either new, fully refurbished or second-hand, subject to availability, to meet customers requirements.

Crushers, screens, conveyors, feeders and both complete static or mobile plants with either diesel or electric drives are available.

We can also supply associated plant and equipment such as magnets, drums, bearings, motorised drums, motors and gearboxes and welcome specific plant and equipment requirements.



▼ Complete Screening Plant



▲ Fully refurbished 36 x 24 KueKen Crusher



Quarry Plant and Equipment



▲ Static Crusher and Conveyor for M25 improvement project



▶ 3-deck screen and supporting structure

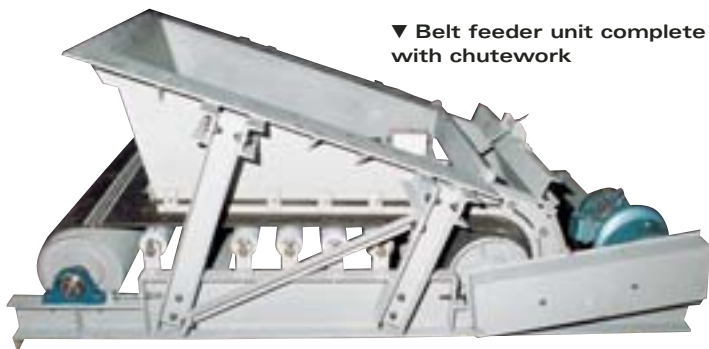
▼ Complete Mobile Screening Unit with discharge conveyors



Hoppers/Feeders

Canning Conveyor design and manufacture a wide range of hopper/feeder units to customers specific requirements and to suit required capacities and feed arrangements.

Hoppers are constructed in mild steel plate, suitably braced and stiffened with supporting steelwork complete with belt/vibratory feeder to suit application and can be skid mounted, fitted with side plates, products grid and lining plates as optional.



▼ Belt feeder unit complete with chutework



▲ 30 tonne coal bunker, supplied to Port of Tyne Authorities



▲ Skid mounted two compartment hopper with chevron belt conveyors handling shotcrete supplied to Balfour Beatty

Balfour Beatty



Tarmac

▶ 10 cubic metre capacity hopper with belt feeder, supplied to Tarmac Quarry Products

Conveyor Drums and Lagging

Canning Conveyor manufacture a large range of conveyor drums to customers specifications, at very competitive prices and on a quick delivery to suit reasonable requirements.

Drums are manufactured from steel shells with closed steel end plates having shafts with either bossed and welded, bossed and keyed, weld on hub/taper lock bush, Ringfeeder arrangement or incorporating flanged bearings on end plates.

Both slatted and spiral tyre drums are also manufactured.

Drums are supplied with either a machined flat or crowned face.

A variety of rubber lagging are available, offered in plain or diamond cut pattern 6 mm or 10 mm thick hot vulcanised, replacement 'Slide Lag®' pads with suitable single or double retainers or a selection of alternative lagging cold vulcanised, such as ceramic tile, grip wrap, plain and diamond pattern.

We offer a full repair or reconditioning service of existing drums and also can offer a selection of used drums ex stock, subject to availability.

Further details and specifications are available on our conveyor drums and lagging data sheet.



▲ Bossed and Welded



▲ Flanged Bearing



▲ Bossed and Keyed Diamond Lagged



▲ Slatted



▲ Spiral

Film & Television Construction

Canning Conveyor are specialist suppliers of conveying equipment for the film and television industry. We can design and manufacture in-house and deliver to the set or manufacture on location or in the studio.

Erection, commissioning and supervision by our experts.

We also supply on the set, welding and manufacturing of any type of steel structures, including walkways and platforms. We provide all electrical and installation work needed to suit individual requirements. Mining and Quarrying Equipment for hire or sale for films.

We have had the pleasure of supplying our services to the following productions:

- 'Alien 3'
- 'Who framed Roger Rabbit'
- 'Superman'
- 'Indiana Jones and the Temple of Doom'
- 'Spies Like Us'
- 'Luv'
- Coca Cola
- BBC TV
- DTI and other television commercials
- Pop Videos

Ancillary Products

A full range of ancillary products are offered by Canning Conveyor.

Transmission products range from supplying a single vee belt to full drive units complete with all necessary drums, drive frames and guarding to suit, includes:

- Electric motors
- Gearboxes - shaftmounted, helical, worm reduction
- Bearings - pillow, plumber and split roller types
- Vee belts, pulleys and couplings
- Chains and Sprockets

All major brand names available.



◀ Full drive assembly incorporating drum, bearings, drive frame with motor, vee belt, shaft mounted gearbox and guards

Other products available:

- Conveyor skirt clamps and skirting rubber
- Vee-belt ploughs
- Belt scrapers - counterbalanced, spring and rotary
- Belt tracking idlers
- Impact bars and sub-frames
- Screen panels

Canning Conveyor also offer second-hand and reconditioned transmission products at competitive prices, subject to availability.



Belt Reeling Machines

Available for hire or purchase

The Canning's Belt Reeling Machine is a most economical, cost effective way of handling and reeling conveyor belting.

2 Standard Models:

MODEL C36 belt widths up to 1000 mm (36")

MODEL C72 belt widths up to 1800 mm (72")

Both models can reel up to approx 200 metres of 12.5 mm (1/2") thick belt.

Portable for ease of handling on site and available with diesel or electric drive. Can be transported by 35cwt pick-up truck. Hired extensively to British Coal and numerous quarries throughout the UK.

Incorporating the unique 'Roll Releasing Mechanism'.,

Individual machines for alternative sizes and specification made to order.

Technical Information

Overall weight of C72 - 1.5 tonnes Lister Diesel Engine ST2 15 bhp and clutch driving via vee belts to Radicon worm reduction gearbox.

INDIVIDUAL MACHINES FOR ALTERNATIVE SIZES AND SPECIFICATION MADE TO ORDER.

Simple Operation



A. Belt threaded under front roller guide and fastened to collars on mandrel.



B. Reeling commences by engaging drive. Guides ensure symmetrical roll and scraper plate removes excess dirt and moisture from belt.

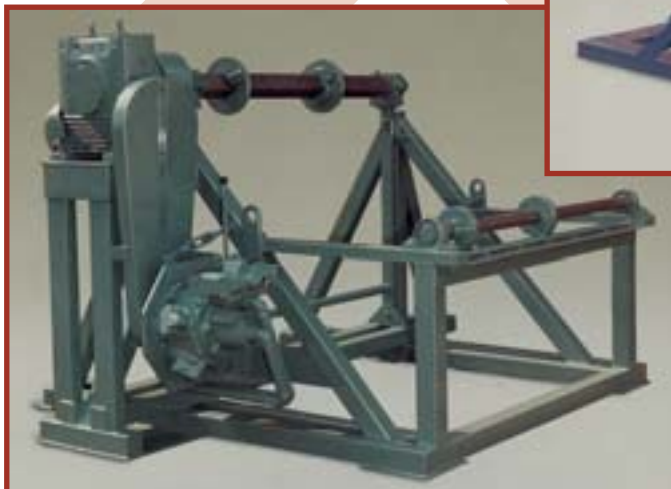


C. Reeling completed. Drive guard removed to allow roll releasing pins to be actuated.



D. Release pins removed allowing belt roll to pivot down to floor level releasing mandrel from bearings. Mandrel and collars removed from roll and inserted back into bearings for next roll.

▼ Specially designed reeler with Air Drive Unit



▲ Standard C72 Model with Diesel Drive/Electric Shaft

Plant Hire

A comprehensive range of machines for long or short term hire can be offered with option to purchase, subject to availability.

- Static or mobile machines, available in diesel or electric drives
- Conveyors/stockpilers in light, medium or heavy duty construction
- Mobile screen conveyors with feed hoppers
- Radial stockpilers
- Lorry loading feeders
- Canning portable belt reeling machines



▲ Powerscreen Radial Stockpiler



▲ Standard Mobile Conveyor fitted with belt covers



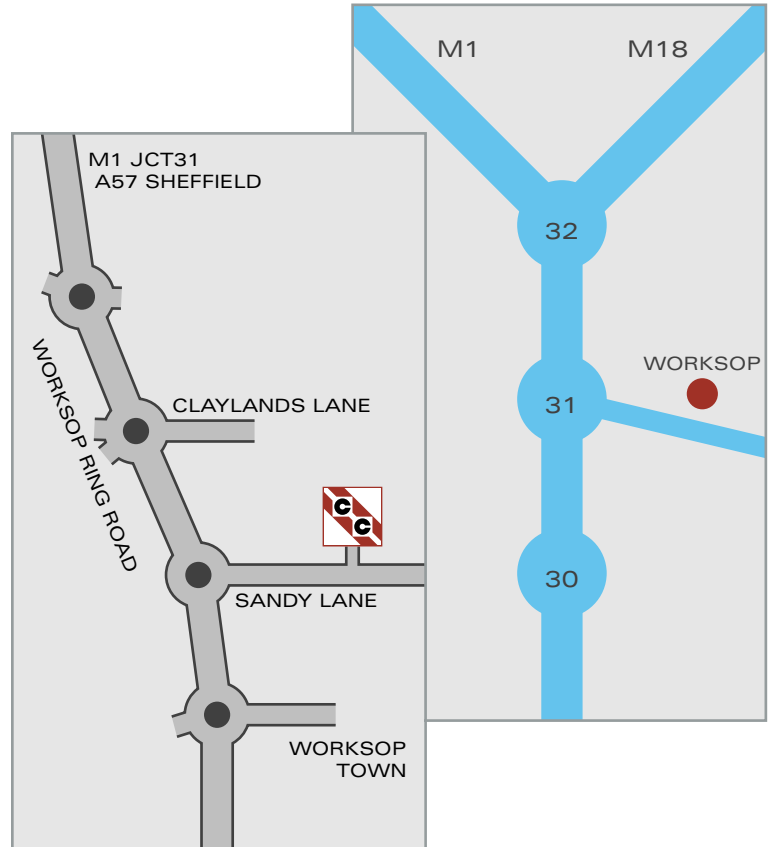
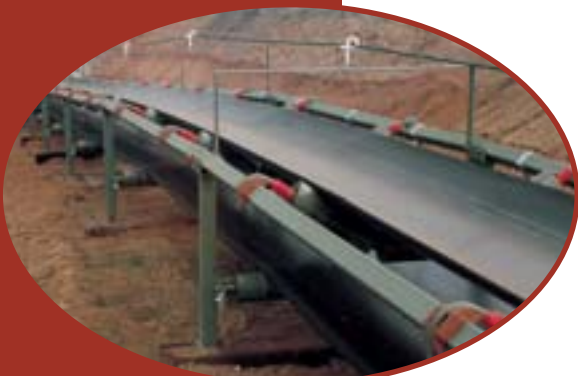
▲ Powerscreen Radical Stockpiler and Bulk Feeder



◀ Canning C72 Belt Reeler - Diesel or Electric drive available

▼ Screening Conveyor





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Purpose Designed

Conveyors

Quarry Plant &
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Hoppers & Feeders

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Film & Television

Bucket Elevators &
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Plant Hire

The information contained in this booklet is approximate only, not binding in anyway and subject to alterations without notice.