QMS

QUARRY MANUFACTURING & SUPPLIES

Europe's premier manufacturer and supplier of aftermarket crusher spares and aggregate processing equipment

T. +44 (0)1530 811081
E. sales@qmsupplies.co.uk
W. www.qmsupplies.com

CONTENT

Aftermarket Crusher Parts

QMS manufacture an extensive range of wear and spare parts for the world's most popular crushing brands Including; Sandvik®, Metso®, Terex®, Powerscreen®, McCloskey®, Tesab, Kleeman®

And legacy brands including; Pegson, Fintec, Finlay, Extec, Nordberg®, Kue-Ken, Brown Lennox, Lokomo, Svedala, Symons, amongst many more.

All brand names, model names or marks are owned by their respective manufacturers. All parts are manufactured by, for and warranted by QMS and are not manufactured by, purchased from or warranted by the OEM.

QMS Aggregate Processing Equipment:

QMS manufacture a comprehensive range of Aggregate Processing Equipment including crushers, screens, conveyors and feeders.

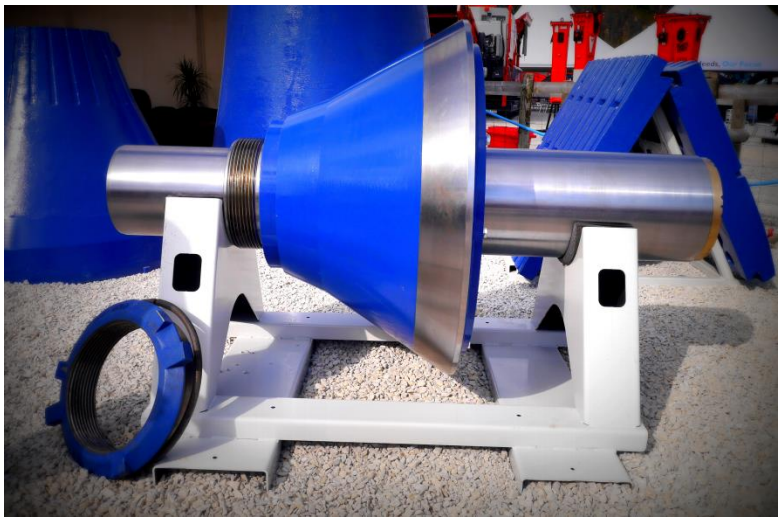
- QMS B Series Cone Crushers
- QMS JB Series Jaw Crushers
- QMS Inclined and Horizontal Screens
- QMS Feeders, Hoppers and Conveyors
- QMS IC Impact Crushers
- QMS Crushing and Screening Plant

QMS have supplied a high quality premium service to the quarry, mining, recycling and demolition industries since 1980

T. +44 (0)1530 811081
E. sales@qmsupplies.co.uk
W. www.qmsupplies.com

Europe's premier manufacturer of aftermarket crusher spare and wear parts

Genuine Alternative to your Original Equipment Manufacturer



QMS Spare Parts

QMS design and manufacture a full range of high-quality crusher replacement spare parts. QMS' unrivalled stock of UK manufactured spare parts includes everything required to replace and repair your crushers, from mainframes, mainshafts, head centres, bronze bushes, sockets, head nuts, gears and pinions, to gaskets, filters and seals.

QMS also manufacture and supply complete assemblies, including head and mainshaft assemblies, countershaft assemblies, pinion assemblies and top and bottom shell assemblies.

QMS has heavily invested in new technology and advanced precision machinery, resulting in continual and rapid growth of our product range.

QMS replacement crusher parts have full traceability within our Lloyd's Register ISO9001:2015 certified quality system. All QMS parts are designed and manufactured in consideration of the original equipment manufacturer's specifications, producing high performance and offering cost-effective savings.

Premium Quality Manganese Wear Parts

QMS stocks wear castings in 14%, 18% and 22% grades of manganese with chromium ranging from 2% to 3%. All QMS parts provide outstanding performance and are widely accepted by many major quarry and mining companies as the only viable substitute for OEM parts.

Crusher Backing

QMS proudly manufacturers its own brand of crusher backing – QMBack. The 100% solid epoxy resin compound has been formulated to provide high, compressive strength support for wear parts in all kinds of quarry and mining machinery, such as crushers, grinders and other heavy-duty machinery.

QMBack combines high impact resistance, superior compressive strength, non-flammability, high stability and low shrinkage in one system.

Advantages of QMBack:

- Prolong the life of the machinery whilst protecting against impact and shock vibration
- Extends equipment lift
- Enhances productivity
- Delivers maximised labour savings
- Easily applied by machinery operating personnel with minimal training
- Has a proven track record to enhance performance in all types of crushers and climatic conditions

Jaw Crushers

QMS manufactures ISO 9001 :2015 certified, fully guaranteed and warranted parts to suit an extensive range of jaw crusher brands

QMS is a globally recognised leading manufacturer and supplier of jaw plates and internal spare parts to suit all leading models. We offer ISO 9001:2015 certified, fully guaranteed and warranted parts coupled with OEM reliability and cost-effective prices. QMS has developed a range of parts to support models by all leading manufacturers including:

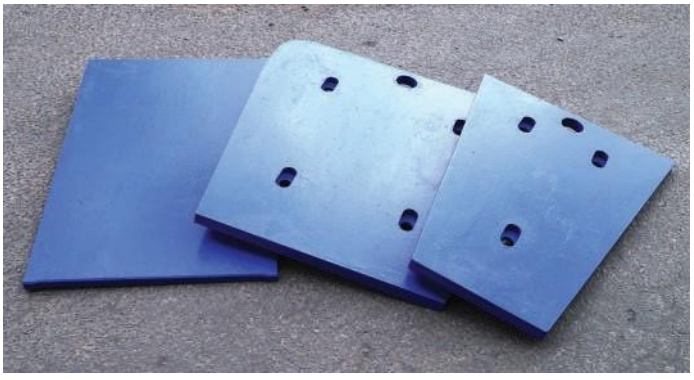
Sandvik®, Metso®, Terex®, Powerscreen®, McCloskey®, Tesab, Kleeman®

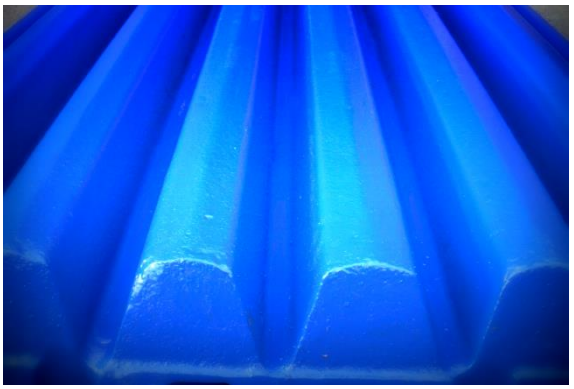
And legacy brands including; Pegson, Fintec, Finlay, Extec, Nordberg®, Kue-Ken, Brown Lennox, Lokomo, Svedala, Telsmith

Plus many more…

The QMS range of premium jaw plates includes the many different profiles offered by the OEM's including, Standard, Super Tooth, Quarry, Super Grip, Multi-tooth, Tall Tooth, Corrugated, Wide Tooth, Heavy Duty and Recycling.

QMS manufacture a full range of UK manufactured mechanical spare parts including, toggle plates, pitmans, toggle seats, hinge pins, eccentric shafts, bearings, labyrinths, spacers; all quality engineered and ISO 9001:2015 approved.





The Crusher Specialists

QMS are the genuine alternative to OEM crusher parts. With over 40 years in the industry means that QMS possesses knowledge and experience second to none.

Extensive purpose-built facilities are located in central England within easy reach of all motorway networks and international airports. These include sales and technical offices, parts storage, a distribution hub, a crusher repair and refurbishment centre, and modern fully equipped manufacturing facilities.

QMS is ISO 9001:2015 accredited and has long standing supply agreements with many of the world's largest quarry and mining companies.

Cone and Gyratory Crushers

QMS manufactures ISO 9001:2015 certified, fully guaranteed and warranted parts to suit an extensive range of cone crusher crusher brands

QMS hold an unrivalled selection of aftermarket cone crusher spare and wear parts in stock, to satisfy the demands of a worldwide customer base. QMS proudly offers the highest quality and most cost-effective alternative to the OEM supplied spare and wear parts.

An extensive range of parts to suit all leading cone crusher models has been developed including:

Sandvik®, Metso®, Terex®, Powerscreen®, McCloskey®, Tesab, Kleeman®

And legacy brands including; Pegson, Fintec, Finlay, Extec Nordberg®, Kue-Ken, Brown Lennox, Lokomo, Svedala, Symons, Telsmith

Plus many more…

The QMS range of premium cone crusher liners are offered in various profiles, to suit application and in M14, M18 and M22 material grades.

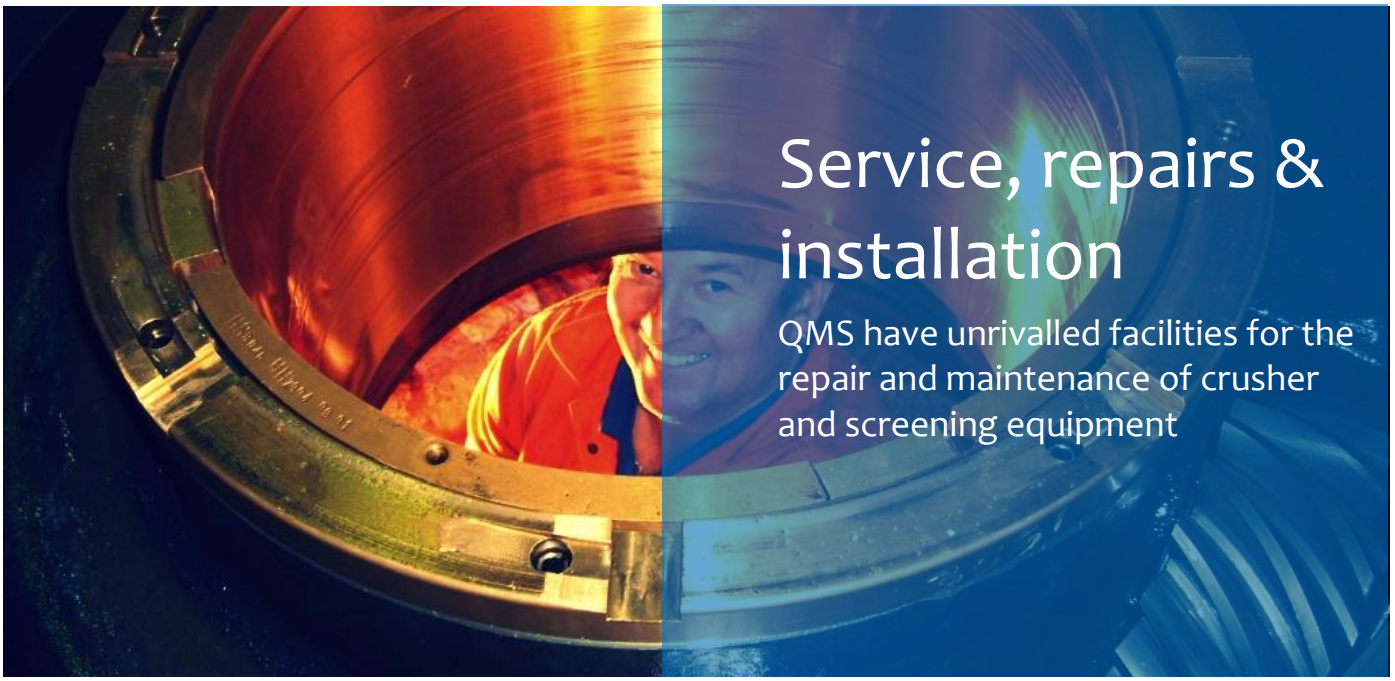
QMS designs and manufactures a wide selection of high-quality cone crusher replacement spare parts in the UK including bronze bushes, sockets, head nuts, gears, pinions, filler pieces, torch rings, plus many more; all quality engineered and ISO9001:2015 approved.

Gyratory Crushers

QMS has over 40 years' experience in the manufacturing of wear and spare parts for large primary gyratory crushers, supplying some of the largest mines and quarries around the world. Many would state that in fact that QMS are gyratory crusher experts, with unrivalled experience in maintaining and repairing these machines.

Brands Supported include:

Allis Chalmers, Fuller Traylor, Metso, FL Smidth, Nordberg, Sandvik and Svedala.



Service, repairs & installation

QMS have unrivalled facilities for the repair and maintenance of crusher and screening equipment

Located in the heart of England, QMS has continually invested in its unrivalled facilities for the repair and maintenance of crusher and screening equipment.

As well as providing new wear and spare parts for the quarrying and mining industries, QMS specialises in providing repairs for machinery and the installation of any plant equipment. With many years of experience, QMS has acquired a breadth of knowledge regarding many varieties of old branded machinery as well as new models. However old or new your equipment is, QMS trained staff will provide the expert assistance required to keep any plant in full operating order.

QMS' large workshops are equipped with specialist equipment, and when combined with service engineers who have unrivalled experience and expertise, ensures that any repairs are carried out correctly.

All repairs are undertaken to meet original factory tolerances. In house machining facilities ensure repairs can be conducted quickly thereby reducing down time. The latest inspection equipment and ISO 9001 accreditation ensure reliability and accuracy.

QMS routinely refurbish, head and shaft assemblies, top shells, bowl assemblies and install replacement main shafts.

QMS are able to support customer operations with its service engineers possessing unrivalled expertise in the onsite repair and maintenance of crushing and screening equipment.

From the smallest cone crusher to the largest primary gyratory crusher, QMS has the knowledge and the experience to get the absolute best from the equipment.

In addition, QMS routinely undertakes scheduled manganese liner changes for all the major quarrying groups and independents.

Manufacturing Facilities

QMS has fully equipped facilities designed and refurbished to repair or rebuild the largest of cone, jaw and gyratory crushers. Our onsite machining facilities provide increased flexibility, quicker response time and strict quality control.

As QMS has matured, it has continuously developed its machining tools to improve both quality and output. Each machine has dramatically increased efficiency whilst improving accuracy and increased capacities; this ensures QMS deliver a dependable high level of quality within a shorter lead time.

QMS machining centres are controlled with programs by our production engineers, utilising the latest generation of three-dimensional modelling and programming software.

Management and employees of QMS are committed to BS EN ISO 9001:2015, and working to the procedures set out in the Quality System

Quality Control

QMS' quality control is rigorous and thorough. Every part is inspected and certified to strict guidelines to ensure that only goods and materials of the highest quality are shipped to the customer. QMS uses the most modern powerful inspection tools, including Coordinate-Measuring Machines (CMM) in order to provide very accurate and detailed results.

The QMS Quality Assurance Process further ensures that procedures are aligned to produce high quality and dependable results.

The system operated at QMS complies with BS EN ISO 9001:2015.

Management and employees of QMS are committed to BS EN ISO9001:2015 and working to the procedures set out in the Quality System.

Health and Safety

QMS service personnel are fully trained with appropriate certification including safety passports, management of lifting operations, welding procedures, compressed gases, access platforms, LGV class C+E and knuckle boom (Hiab) operation.

Full method statements and risk assessments are prepared for every job undertaken. Insurance certificates, equipment test certificates are all provided.

TÜV NORD
TÜV UK Ltd.
ISO 9001
UKAS MANAGEMENT SYSTEMS
0065

Avetta
Building the connections that build the world

BS EN 1090
ISOQAR
REGISTERED
www.alcumusgroup.com

East Midlands Chamber
Derbyshire
Nottinghamshire
Leicestershire
Member

QMS B-Series Cone Crushers

QMS cone crushers are designed and manufactured to deliver significant benefits over and above those of your existing equipment.

B-Series Cone Crushers are designed and manufactured by QMS in the UK. B-series Cone Crushers deliver class leading performance, dependability, and ease of operation all backed by market leading after sales support.

B-Series crushers combine robust design and high performance. A combination of high motor power, large throw and higher speed in most cases give these crushers capacities greater than other crushers of comparable size.

B-Series crushers meet exacting product quality demands. The crushers produce material of excellent shape and high quality with setting adjustment being easily made during production in seconds.

The unique hydraulic system provides automatic overload protection by allowing the head assembly to drop thereby permitting the passage of tramp iron and other non-crushable material. The system then automatically returns the head assembly to its original position.

The unique design of the hydraulic system means the crusher operates at a definite setting with less setting drift and greater stability throughout the circuit. The crusher setting is instantaneously maintained even after passing a piece of tramp iron.

B-Series crushers are available in standard and XC versions with the B-Series XC crusher being specifically designed for use in secondary crushing applications.

The B-Series XC Cone Crusher has very large intake capability and high capacity in relation to its size. This is achieved with a very long crushing chamber. To give optimal operation economy, the long chamber is divided in three sections - upper concave, lower concave and mantle – which can be exchanged at different intervals.

Replacing a conventional secondary cone crusher with a B-Series XC cone crusher will revolutionize the performance of the whole plant. The setting of the primary crusher can be increased, resulting in higher capacity, lower operating costs, and higher levels of reliability.

MANUFACTURED IN THE UK

Complete Crusher Control

The B-Series crusher comes integrated with Complete Crusher Control (C3); this PLC system controls all aspects of the crusher operation.

Operating the crusher could not be simpler: the automatic start up routine incorporates cavity calibration to compensate for liner wear; automatic adjustments are made to the crusher setting to give consistent and reliable product shape. Pressure and power in relation to load are automatically adjusted to suit rock properties, moisture etc. All influencing conditions are taken into consideration, 24 hours a day.

C3 automatically monitors all health functions and provides the operator with information via a touch screen HMI (Human Machine Interface). This screen can be located at the side of the crusher or within a control room via an integrated ethernet connection.

C3 Protects Your Capital Investment

The remote touch screen gives full process control, and displays continual real time monitoring of all parameters, and logs all events and alarms. The operating hours of the crusher can be seen at a glance, both on and off load. Energy costs can be calculated as C3 records Kilowatt hours used. The touch screen plc also stores pdf versions of all operator manuals, spare parts list, and electrical layouts. C3 also includes the main and auxiliary starters, eliminating the need for any third party electrical equipment.

As C3 is an integrated part of the crusher system it also eliminates nearly all local electrical installation work. The only requirement is for power to be connected.

Typically, cone crushers are operated with high tension belt drives that are inefficient, require frequent maintenance and may also become OH&S entanglement risk zones. Engineers at QMS recognise the importance of energy efficiency and the hazard of reduced operation costs. With this in mind, QMS has designed a reliable direct drive option which can be combined with a variable-frequency drive to further optimise crusher performance, resulting in significant energy savings.

Benefits of QMS B series Crusher

- In designing the new crusher, operators' feedback and QMS' extensive experience of servicing other manufacturer's crushers have been taken into consideration. Easy maintenance is an issue that has been taken particularly seriously, with hundreds of design details making servicing and installation simpler and more efficient.
- The change of wear and spare parts with minimum downtime have been incorporated into the new design. For example, the liners of the B3 crusher do not require any backing material like plastic epoxy or zinc. This saves the time usually spent mixing, pouring, and waiting for the curing to take place, whilst also increasing safety for maintenance staff.
- Variable eccentric throw and a range of crushing chambers provide maximum versatility allowing configurations to suit all product requirements.
- B-Series crushers generate downstream process savings in cost and efficiency, thanks to better reduction, promoted by a new chamber design and by the use of C3 Complete crusher control.
- Several crushing chambers are available:

Standard Cavity Types

EF = Extra fine F = Fine

MF = Medium fine M = Medium

MC = Medium Coarse C = Coarse

EC = Coarse

XC Cavity Types

C= Coarse EC= Extra Coarse

One top shell is used for all crushing chambers.

- B-series crushers are designed to give high performance in relation to their size and weight.


QMS
QUARRY MANUF URING & SUPPLIES
B6

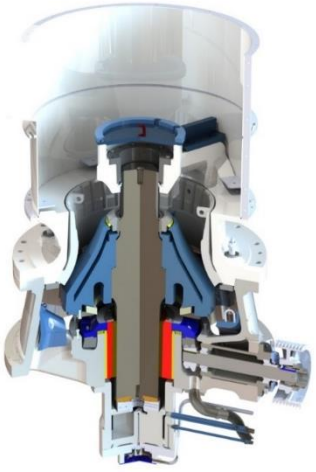
Models and Capacities

B-Series Standard Models

Model	Motor Power kW (hp)	Nominal Capacity mtph	Max. Feed Size mm	Closed Side Setting Range CSS (mm)	Cavity Types	Weight (basic unit)* (kg)
B2	90 (125)	23-132	25-120	4-35	EC, C, M, MF, F, EF	5,300
B3	162 (210)	26-220	35-185	4-41	EC, C, M, MF, F, EF	11,500
B4	220 (295)	50-388	80-215	8-48	EC, C, M, MF, F, EF	17,800
B6	315 (400)	211-662	45-275	31-51	EC, CX, C, MC, M, MF, F, EF	31,200

B-Series XC Models

Model	Motor Power kW (hp)	Nominal Capacity mtph	Max. Feed Size mm	Closed Side Setting Range CSS (mm)	Cavity Types	Weight (basic unit)* (kg)
B2 XC	90 (125)	77-162	223-267	16-38	C, EC	6,800
B3 XC	132 (175)	130-330	263-400	24-54	MC, C, EC	12,800
B4 XC	220 (295)	245-503	335-500	29-54	MC, C, EC	22,200
B6 XC	315 (400)	331-792	556-622	35-83	C, EC	35,000



MANUFACTURED IN THE UK


B2

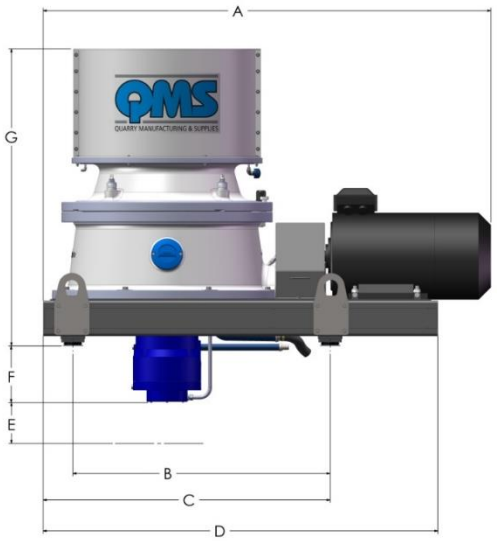

QMS
QUARRY MANUFACTURING & SUPPLIES
B6

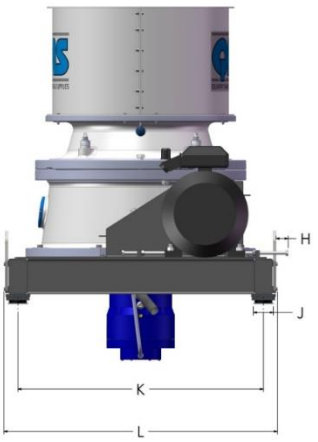

QMS
QUARRY MANUFACTURING & SUPPLIES
B4

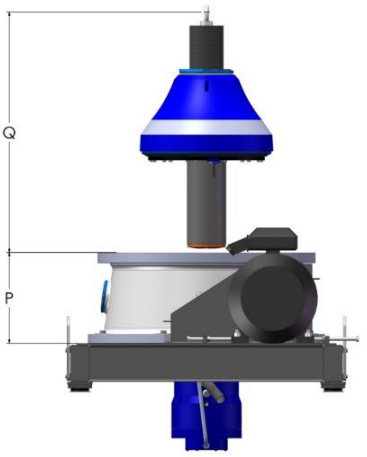

B4-X


QMS
QUARRY MANUFACTURING & SUPPLIES
B3-XC

QMS B-Series Crushers Technical Data

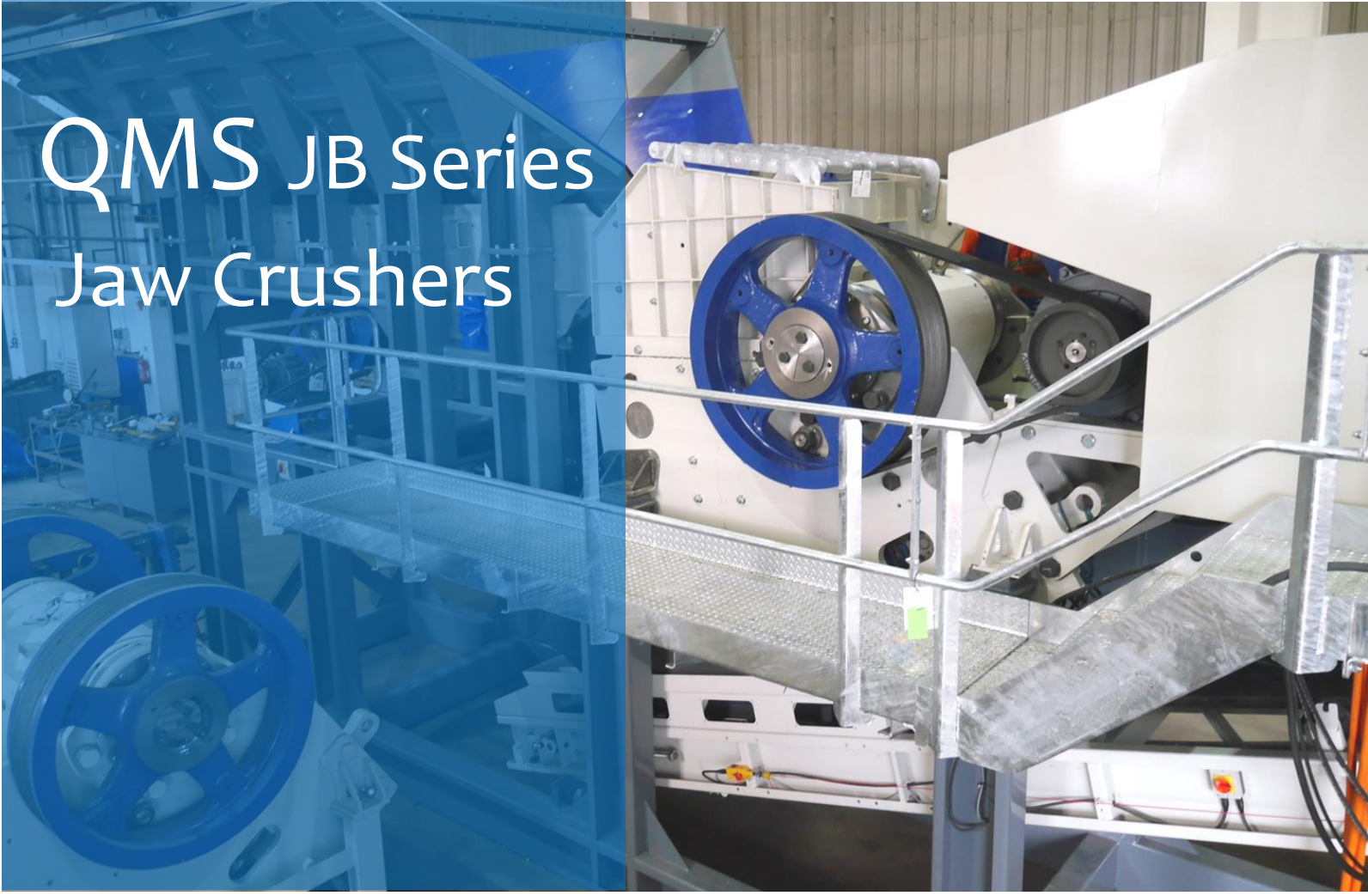






Dimensions

	B2	B2XC	B3	B3 XC	B4	B4 XC	B6	B6 XC
A	2900	2900	3289	3289	3553	3553	3553	4945
B	1890	1890	1890	1890	-	-	-	-
C	2108	2108	2108	2108	3050	3050	3885	3885
D	2900	2900	2900	2900	3475	3475	4945	4945
E	300	300	300	300	500	500	500	500
F	320	320	416	416	520	520	700	700
G	1540	1882	2182	2740	2520	3175	2862	3914
H	200	200	200	200	-	-	-	-
J	148	148	148	148	148	148	166	166
K	1804	1804	1804	1804	2052	2052	2380	2380
L	2010	2010	2010	2010	2200	2200	2580	2580
P	540	540	640	640	745	745	845	845
Q	1430	1703	1750	2020	2000	2420	2557	2950



QMS JB Series Jaw Crushers

QMS jaw crushers are designed and engineered to exceed the primary crushing needs of customers in the mining, quarrying, and recycling industries.

QMS jaw crushers offer the best in engineering excellence; the robust design complete with high quality cast steel components and premium spherical roller bearings contributes to the reliability and high performance.

All QMS jaw crushers incorporate the latest in design and manufacturing techniques and each component is **100% manufactured and built in-house at QMS**. QMS's substantial investment in purpose-built manufacturing facilities allows us to offer cost effective jaw crushers, with excellent availability.

QMS' JB Series jaw crushers are a diverse range of models, each engineered to maximise productivity while minimising operating costs. Ideal for those searching for a jaw crusher, the JB series exemplifies the finest in engineering excellence. Whether you're looking for a compact jaw crusher, concrete jaw crusher or hydraulic jaw crusher, the JB Series has a solution to fit your needs.

Robust Design

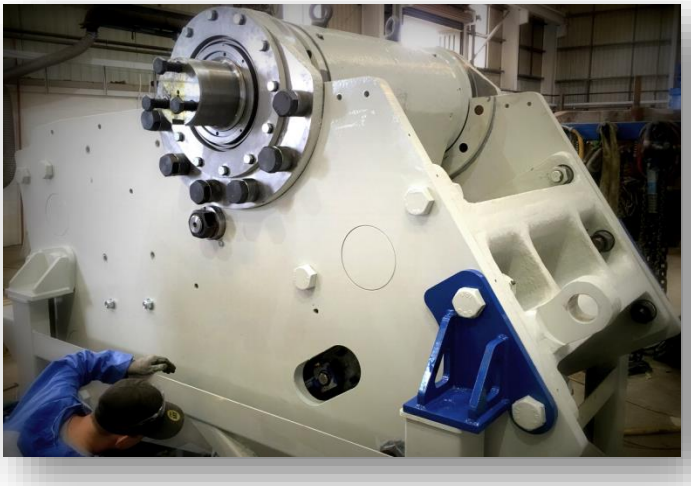
The QMS jaw crusher design comes from various intense studies carried out by the QMS research and development team, including FEA and Fatigue Calculations, bench testing and theoretical calculations. All aspects of the QMS jaw crusher have been specifically assessed with attention to even the smallest of details, resulting in the highest possible reliability and functionality.

Modular

A modular, non-welded frame boasts state-of-the art design with two hot-rolled steel side plates joined to high-quality cast steel frames. The absence of stress inducers ensures excellent durability against shock loads.

Pitman Assembly

The high-quality cast steel Jawstock is propelled by two cast iron flywheels. A large eccentric shaft forging and four spherical roller bearings ensure the maximum reliability even under the harshest crushing conditions. Grease-lubricated bearings are kept free from contamination by well-designed labyrinth seals.



MANUFACTURED IN THE UK

Frame Bearing Housings

Single piece frame bearing housings ensure a flawless fit to the crusher frame. In addition, they prevent unnecessary loads to the frame bearings that are common with two-piece frame bearing housings.

Cavity Selection

There is a selection of jaw types available for various crushing applications. All jaw profiles are manufactured using high quality material and experienced design, resulting in high performance and low operating costs. Please contact our sales team for recommendations concerning your specific application.

Integral Motor Base

An integral motor base is mounted in the main frame, reducing the need for space and markedly long V-belts.

There is no differential movement between the crusher and the integral movement, resulting in the prolonged life of the V-belts.

Adjustment System

All QMS jaw crushers come complete with a sturdy wedge setting adjustment system. The Wedge setting adjustment system is faster and safer compared with historical shim adjustment systems.

The crusher's setting can be hydraulically adjusted quickly and efficiently without having to handle bulky shims. This system is also effectively proven to clear the crusher's cavity, should it stall under load.

Flywheel Guards

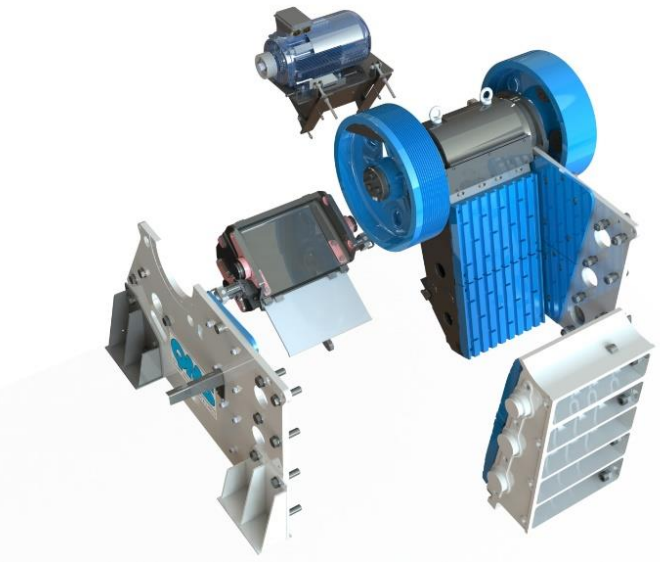
Flywheel guards are bolted onto the crusher's side plates to offer easier access to the crusher. The unique placement of the guards protects operators from moving parts and easy access when inspecting and servicing the crusher.

Models and Capacities

Model	Feed Opening Size (mm)	Motor Power kW (hp)	Minimum CSS (mm)	Maximum CSS (mm)	Capacity Max. Setting scalped feed mtph (stph)	Capacity Max. Setting Non scalped feed Mtph (stph)	Weight (basic unit)* (kg)
JB80	800x510	75 (100)	40	175	335 (370)	510 (570)	7,650
JB96	930x580	90 (125)	60	175	390 (430)	592 (662)	10,200
JB106	1060x700	110 (150)	70	200	500 (560)	760 (850)	15,600
JB116	1150x760	132 (175)	70	200	520 (580)	800 (880)	19,500
JB1275	1200x750	132 (175)	40	200			17,000
JB120	1200x870	160 (200)	70	175	540 (600)	800 (880)	28,000
JB130	1300x1000	185 (250)	100	250	831 (915)	1267 (1416)	40,200
JB150	1400x1200	200 (300)	125	250	880 (970)	1319 (1474)	51,000

Significant features and benefits:

- Modern Modular Bolted Design
- Cast Steel Pitman
- Integral Motor Base
- Standard Flywheel Guards
- None Welded Frame Construction
- Robust Steel Structure
- Outstanding Fatigue Strength
- Available as a base unit or part of modular plant



MANUFACTURED IN THE UK

QMS Screens

QMS design and manufacture a range of quarry screening equipment, including both inclined and horizontal screens. These screens are ideal for use in the quarry, mining and recycling industries.

The QMS screen design comes from various studies carried out by our research and development team, including FEA and Fatigue Calculations, bench testing, theoretical calculations, CAD tools and on-site tests.

All QMS screens and components are 100% manufactured and built in-house at QMS. QMS' purpose- b u i l t manufacturing facilities allow us to meet all of our customer's specifications and individual requirements within a suitable time frame.

Modular Wear Parts

The high availability of wear parts helps minimize both downtime and operational costs. The feedbox and discharge chutes come with wear resistant steel and impact resistance wear plates as standard features.

The QMS screen is extremely robust; it has uniquely considered deck frames that are designed to handle both modular and side tension screening media that is easily interchangeable.

Maintenance and Safety

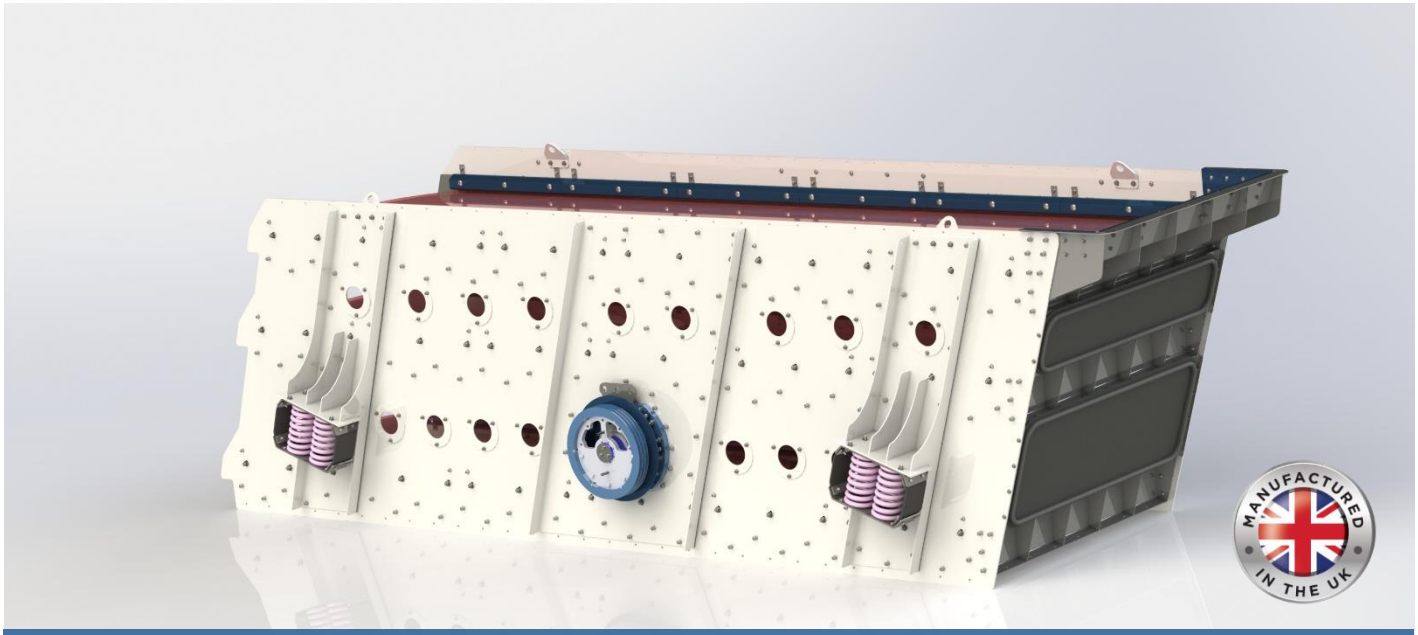
Compared with other circular motion screens, the QMS Screen offers maximum space between decks. This makes it easier, safer, and more comfortable for operators during maintenance intervals.

Also making the QMS Screen maintenance friendly is that the QMS vibrating mechanism is an alloy steel shaft fitted with grease labyrinth seals and amplitude adjusted by moveable balance weights. This results in equally balanced forces ensuring that there is no bending movement at the side plate along with lower stress levels in the screen body. Optional high quality modular rubber liners at the feedbox, discharge spouts and shaft further provide optimal service life.

Easy maintenance and quick replacement of screening media, wear liners, and spare parts enables the maximization of uptime and improve the profitability of production. The QMS Screen has a V-Belt drive equipped with safety guards and just one centralized conveniently located greasing manifold.

QMS Screens comply fully with BS EN 1009-2-2020.

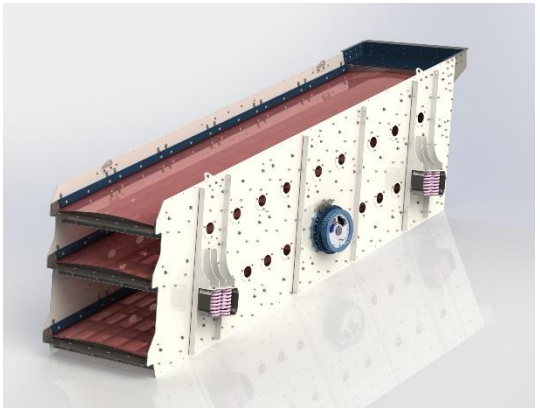
MANUFACTURED IN THE UK



QMS Inclined Screening Range

The QMS SVI range is engineered to the highest standard with heavy-duty, high-quality materials used throughout to deliver maximum throughput and strength through its lifetime. The SVI range is ideal for use in applications including sand & gravel, crushed stone, coal, concrete, recycled materials, iron ore and many more.

The standard size of the inclined screens ranges from 1.22 -3.1m in width and 3.6-8m in length and are available in 1-4 deck arrangements.

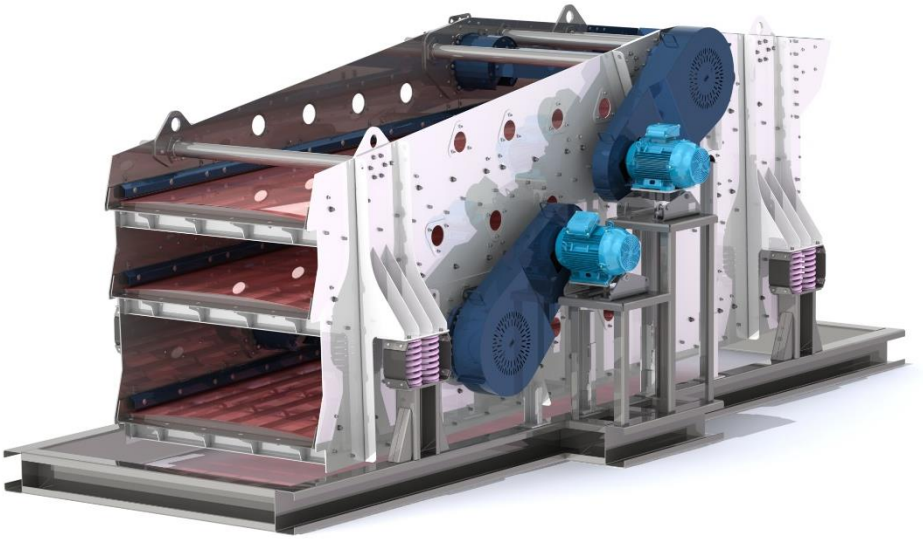


How it works:

The SVI Screen range drive mechanism consists of two MVU vibrators connected with a cardan shaft. The shaft line is positioned at the centre of gravity resulting in a perfect circular motion at all points of the screen. Combined with an adjustable inclination from 12-22°, this circular motion delivers enhanced screening efficiency for all types of applications such as primary, secondary, and final size screening. Adjustable counterweights allow for easy eccentric stroke adjustment to fine tune performance specific to the application requirements.

Features:

- Inclined circular motion screen
- Universal deck design
- Adjustable screen angle 12.22°
- MVU Vibrators
- Designed and manufactured in the UK
- Adjustable stroke and RPM parameters
- Deep and long integrated feedbox to allow easy interface with feed conveyor
- Fast panel replacement
- Huck bolted design
- Replaceable rubber liners in hard wearing areas
- Weld free side walls and cross members
- Available with optional cross member liners



QMS Horizontal Screening Range

The QMS Horizontal Screen (SVH) range operates with an elliptical motion and high G-forces to provide strong stratification of the bed depth to deliver high screening accuracy and efficiency. QMS' Horizontal Screen is an inhouse developed universal deck design with weld free side panels and large spacing between the decks for easier access.

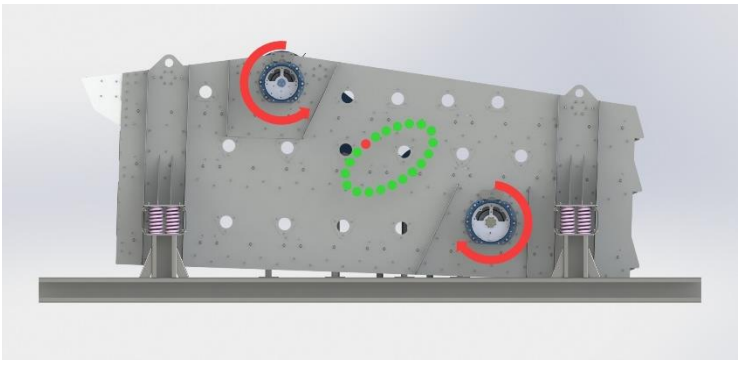
The screen features a large built-in feedbox with replaceable wear panels to facilitate easier material feed onto the screen. The feedbox is located and is part of the screen which aids distribution of the material straight away, thereby making more use of the first panel, hence improving efficiency.

How it works:

Two unbalanced shaft lines rotate in opposite directions to generate a high energy elliptical motion. Each shaft line is made of two Modulating Vibrating Units (MVUs) that are flange mounted to the side walls and synchronized by a cardan shaft. The screens' motion is created by utilising these MVUs to produce the elliptical motion.

Stroke and RPM can be easily adjusted via the bolt in counterweights on the MVU's to obtain the best performance of the screen for the type of material being screened. The screen angle is adjustable from 0-10° to increase capacity when needed. This innovative solution is more efficient than traditional horizontal screens with linear motion.

The engineering design eliminates the requirements for mechanical timing devices, gears and timing belts, whilst grease lubrication ensures that oil leakage issues are removed.



Features:

- Horizontal elliptical motion screen
- Universal deck design
- Adjustable screen angle 0-10°
- MVU Vibrators
- Designed and manufactured in the UK
- Adjustable stroke and RPM parameters
- Deep and long integrated feedbox to allow easy interface with feed conveyor
- Fast panel replacement
- Huck bolted design
- Replaceable rubber liners in hard wearing areas
- Weld free side walls
- Optional cross member liners

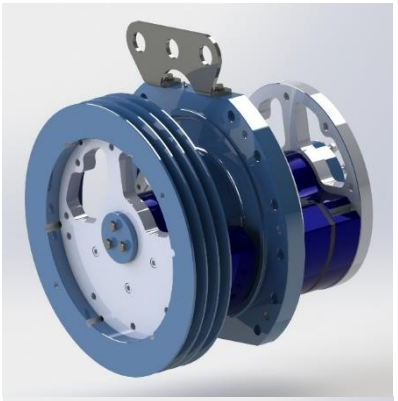

QMS

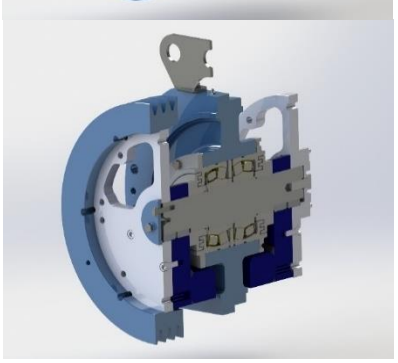

QMS

Modular Vibrators

QMS' range of SVI- Inclined and SVH -Horizontal Screens are fitted with QMS MVU Modular Vibrators. These feature the most advanced dust proof cartridge design available. The extremely compact and interchangeable units make maintenance far easier compared to a conventional shaft design. With two bearings per vibrator, they ensure exceptional long bearing life. The vibratory mechanism is located at centre of gravity, giving circular motion at all points of the screen.

There are 3 sizes of Modular Vibrators available to cover the range of QMS screens.





Design

- 2 bearings per vibrator, offers longer bearing life
- Adjustable stroke, allowing application flexibility
- Grease lubrication, avoiding risk of leakage or contamination
- Compact design

Multiple Screening Options

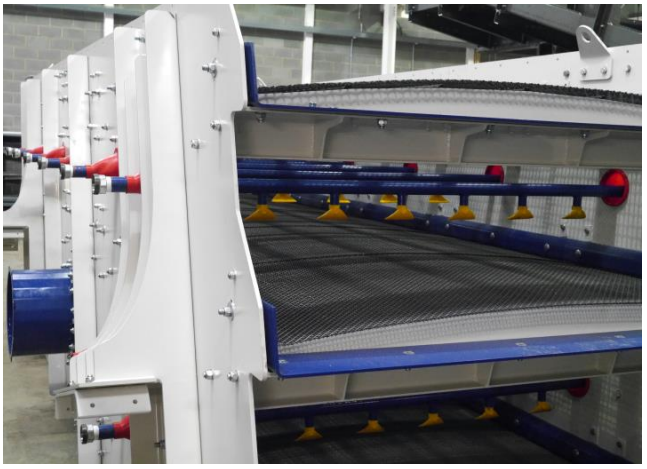
These standard and optional extras enable you to customise your screen according to your requirements:

Standard:

- Modular Screening Media, various options available
- Tensioned Panels
- Heavy Duty Bolted Panels
- Centralised grease fittings, to allow ease of maintenance

Optional Extras:

- Dust Sealing System
- Spray bar System, for wet screening
- Galvanisation treatment
- Coil spring covers
- Cross member protection
- Modular rail, wear protection



QMS Feeders, Hoppers & Conveyors

The QMS range of transfer and product **conveyors** are engineered to facilitate a trouble-free connection between crushing and screening equipment

The QMS range of standard and bespoke conveyors are designed and engineered in house using the latest in design and manufacturing techniques.

The optimal design incorporates simplicity in installation and inspection combined with ease of transportation. The conveyor design not only increases stockpile capacity but also reduces onsite material handling, making them an essential part of efficient quarry operations.

QMS' full range of quarry conveyor systems are proven to be ideal for the transfer of materials in various industries, including quarrying, mining, recycling, construction, and mineral processing.

QMS conveyors can be offered in standard lengths including 500mm, 600mm, 750mm, 1000mm and 1200mm, or bespoke sizes catering to a variety of material transfer needs.

The robust box structure significantly prevents any risk of buckling. The simple, yet effective design, ensures compatibility, allowing the belts to be shortened and lengthened or replaced by same width belts.

The conveyor legs are designed and manufactured to occupy less space in transportation and reduce installation time on site.

QMS 60m Radial Stacking Conveyor

QMS Twin Radial Stacking Conveyor

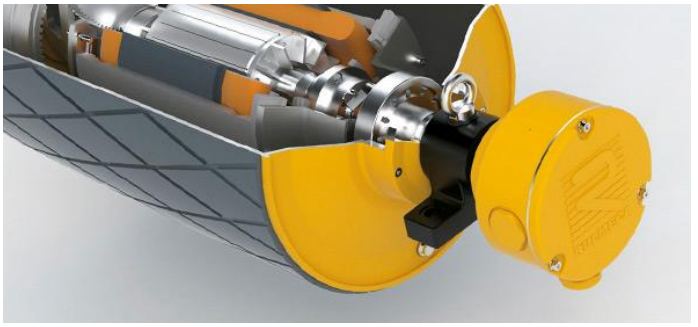
QMS' Radial Stacker Conveyors are the most cost efficient and effective ways of stockpiling material as the reduction of segregation, degradation, contamination, and compaction when stockpiling ensures 'in specification' material for any application.

QMS' Radial Stackers cater for a complete range of applications and industries and deliver 30% more stockpile capacity on the same footprint when stockpiling in a trapezoidal shape compared to a standard stacker.

Each conveyor in the QMS range is thoughtfully designed to include inspection platforms along the length of the conveyor and around the drive unit. This feature allows for easy maintenance and inspection, ensuring that our quarry conveyor systems remain in optimal condition for efficient and reliable operation.

All drum cores are fitted on the drum shaft with conical shrink sleeves and the drive drum is coated with rubber to avoid skidding in bad weather.

Belts longer than 15m are equipped with a locking system at the other end of the drum shaft to prevent the wound belt from sliding back.



QMS **Feed Hoppers,** each specifically designed to meet individual requirements and handle a variety of capacities and applications

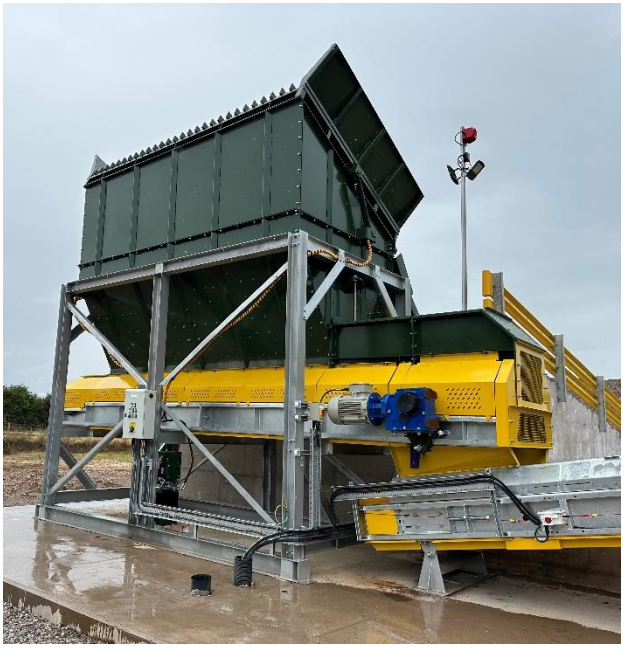
QMS Feed Hoppers are essential for both small scale and large-scale material processing needs, with capacities up to a 1 tonne feed.

Each QMS Feed Hopper includes an integrated belt feeder which ensures efficient transition of material from the feed hopper to subsequent stages of material processing. This design is particularly effective in eliminating surges and maintaining a constant feed rate, useful especially when introducing material into a cone crushing or screening plant.

QMS bulk feed hoppers are easily adaptable and can be custom designed to suit specific crushing and screening applications. Whether a feed hopper is required for general use or specialized animal feed hoppers, QMS provide solutions that optimize material handling and processing efficiency.

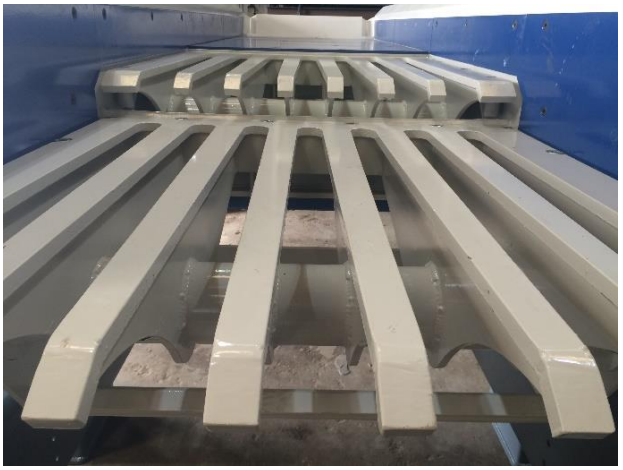
Key Features

- Electrical driven
- Variable speed options
- Various feed sizes to suit any application
- Optional belt width
- Wear plate lined



QMS' range of feeders are engineered for continuous use under harsh conditions, providing high feeding capacity

All QMS grizzly feeders, vibrating pan feeders and scalping screens can be custom designed to suit any crushing and screening application ensuring that each piece of equipment meets the specific needs of any operation.



Scalping Screens

Designed to handle the toughest and most abrasive materials, QMS scalping screens are robust and reliable. They provide a large screening area, ideal for high volume processing and are available in both inclined and horizontal configurations. The heavy duty, four bearing design of these screens, including compact scalping screens, creates an eccentric type positive throw action, which is highly effective in managing heavy loads at maximum capacity.

Vibrating Pan Feeders

QMS pan feeders are designed to feed bulk material continuously to processing and conveying equipment, embodying innovation, and efficiency.

Featuring a precision machined, twin eccentric shaft design, these vibrating pan feeders ensure positive action even under the most adverse loading conditions. The direct connection of the vibrating drive assembly to the pan guarantees effective operation.

Primary Grizzly Feeders

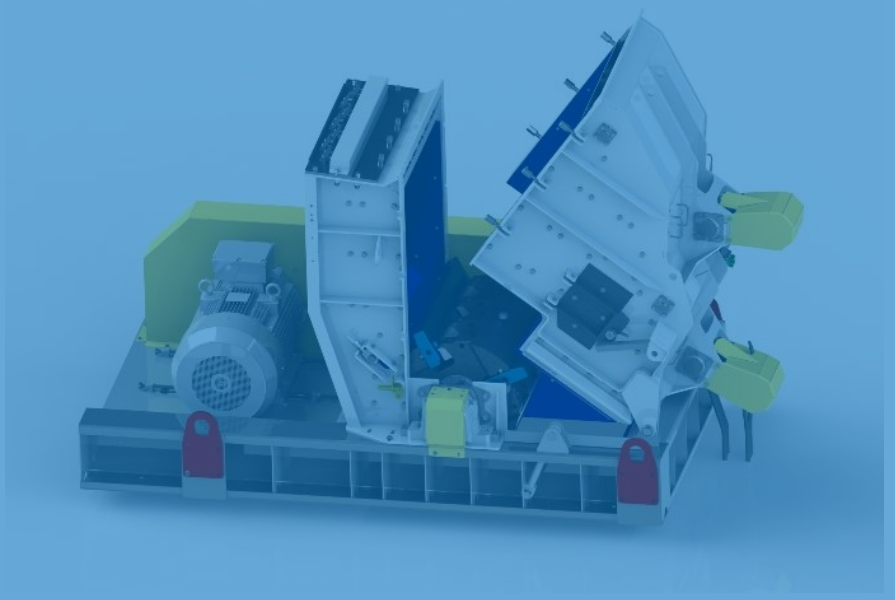
QMS heavy duty grizzly feeders are deigned to remove undersized rock and ore, thus providing a regulated flow of material to primary crushers.

These grizzly feeders come with either a fixed or adjustable opening setting, maximizing flexibility, and productivity. Ideal for use in quarries, recycling, mining sand and gravel operations, as well as a wide range of mineral processing applications, they are a key component in many industrial processes.

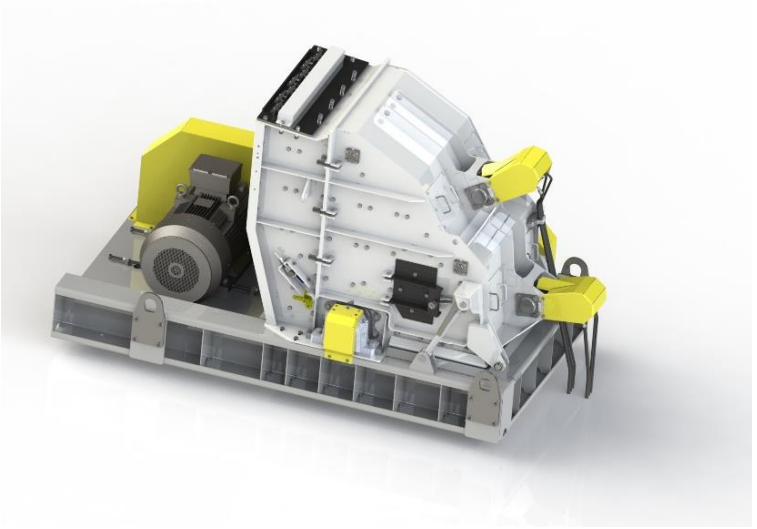
Key Features

- Wear plate lined
- Various feed sizes to suit
- Custom engineered to suit any application
- Fast availability on replacement parts

QMS Impact Crushers



QMS Horizontal Impact Crushers are designed to offer operators excellent reduction and high consistency of product shape for high performance in quarry and recycling applications



Available as a base machine, or as part of a QMS Modular Crushing & Screening Plant, the modular impact crusher unit is capable of working in the most demanding environments.

Designed for high volume and high reduction ratios, the QMS IC Impact Crushing Range provides excellent reduction and high consistency of product shape for performance in quarry and recycling applications.

QMS IC Impact Crushers are suitable for a wide range of crushing applications, including recycled aggregates and demolition waste. Whether a rotor impact crusher or a blow bar impact crusher is required, the QMS range is capable of meeting diverse requirements.

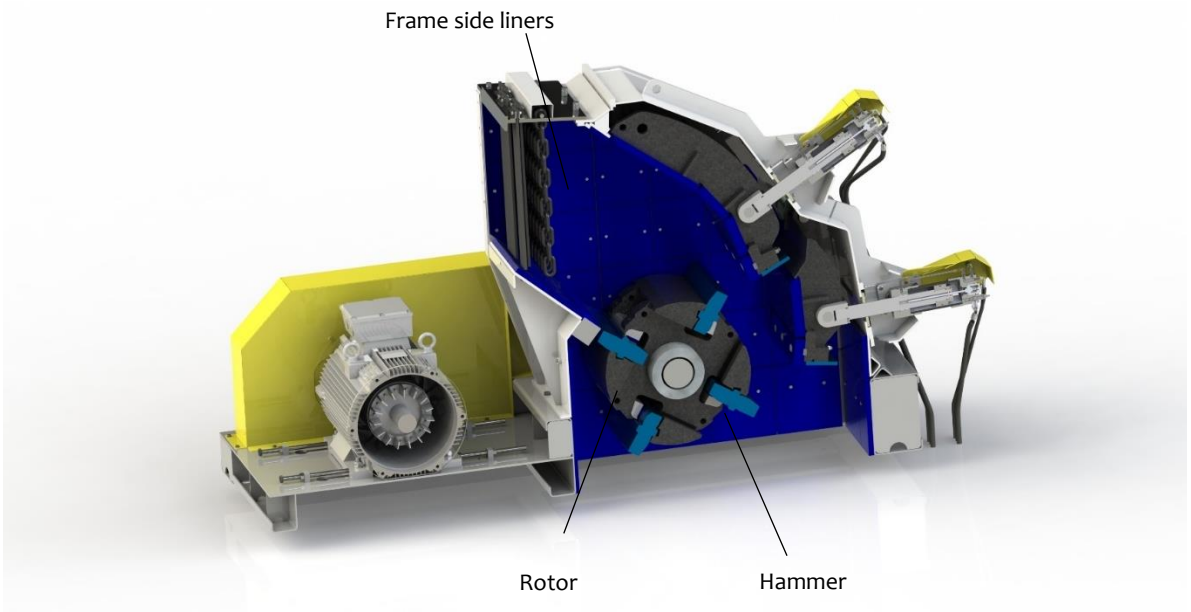
MANUFACTURED IN THE UK

Features and Benefits

- Output Potential: up to 320 tph (352 US tph)
- Suitable for a variety of feed materials including recycling, demolition and quarry applications
- Variable inverter drive to control speed of feeder
- 4 bar rotor and twin apron design
- Excellent access for easy maintenance
- Economical to operate with all electric drive

Models and Capacities

Model	Output Potential (tph)	Feed Opening (mm)	Minimum Setting CSS	Number of Aprons	Number of Blowbars	Weight* Crusher Box only (kg)
IC100	250	860x680	20mm Lower Apron, 40mm Upper Apron	2	4	6090
IC200	320	1130x800	20mm Lower Apron, 50mm Upper Apron	2	4	6530



QMS
Crushing and Screening Plant

Machinery and purpose-built solutions for a wide range of crushing applications, designed and developed by QMS

Based on many years of industry experience and knowledge enables QMS to understand the complexity of aggregate processing and the operational challenges operators face daily.

This know-how has led to QMS developing a leading range of processing equipment and machinery, purpose built for the quarrying, mining, recycling, and demolition industries. The QMS offer bespoke modular crushing plant and a pre-designed range of crushing plant offering 200tph, 300tph and 500tph solutions, with capacity up to 750mtph.

Each standard configuration layout includes jaw crushers, tunnel recovery sections, feed hoppers, cone crushers, screens and conveyors. All these constituent parts have been meticulously designed and manufactured in the UK by QMS, reflecting a dedication to quality and reliability in aggregate processing.

QMS equipment is versatile, designed to be 'mixed and matched' interchangeably, offering hundreds of potential combinations. This modular approach ensures that systems not only meet current requirements, but are also adaptable for future upgrades, a key aspect of effective aggregate processing solutions. Erected with basic tools in minimal time, the plant includes all walkways, stairs, handrails, and guards.

QMS' Modular Crushing & Screening systems can be considered truly mobile, whilst 'plug and play' PLC control, operated by touch screen, allows a fully integrated plant to be created in hours.

All QMS Modular Crushers and Modular Screens come pre-wired, leaving minimal site work.

Standard Features

- Bolt together on site, quick set up time with basic tools
- Plug & Play integrated PLC control, touch screen operation
- Pre-wired design, minimal onsite wiring
- Robust weather protected control panels with user friendly controls
- Includes galvanised walkways, steps and guard rails
- CE compliant module structures and components
- Packed for container shipment for site installation and set-up
- Built in dust suppression

MANUFACTURED IN THE UK

QMS Modular Plant includes:

- **QMS JB Jaw Crushers**
  - Range of sizes available
  - Range of crushing profiles
- **QMS B-Series Cone Crushers**
  - Range of sizes available
  - Variable eccentric throw
  - Range of crushing profiles
- **QMS SVI Inclined Screen Module**
  - Range of sizes and decks available
- **QMS SVH Horizontal Screen Module**
  - Range of sizes and decks available
- **FHB Surge Hopper Module**
  - Capacity as required, with magic eye level
- **QMS Conveyors**
  - Custom sizes to suit

The modern B Series cone crusher used in the QMS Modular Crushing and Screening systems creates excellent product shape and can be configured to maximise production of premium single sized aggregates. Variable eccentric throw and a range of crushing chambers provide maximum versatility allowing the crusher to be configured to suit individual requirements.

Sizing comes from the SVI Range of inclined screens. The heavy-duty design is available in a range of sizes to suit every requirement. They have the option of 2 to 4 deck configurations in sizes up to 6.0m x 1.83m. They are capable of handling a wide range of materials, with feed sizes up to 100mm and output potentials of 650 Tonnes/hour.

All QMS equipment is supported by what customers consider to be outstanding aftersales service. QMS' highly skilled engineers are proven experts in the installation, commissioning, and servicing of all types of crushing equipment.

Operating globally, a QMS engineer can be onsite in minimal time, ensuring that aggregate processing plant is always running at its best.

Since forming in 1980 QMS has grown to its current position by combining both the highest quality engineering standards with genuine value for money

T. +44 (0)1530 811081
E. sales@qmsupplies.co.uk
W. www.qmsupplies.com