Parker
PLANT LIMITED



Crushing & Screening

Quality Engineered
Excellence Since 1911

Quality Engineered Excellence

Since 1911

Since its beginnings in 1911 under a railway arch in Leicester UK, Parker has pioneered engineering innovation leading to a worldwide reputation for product excellence.

Success in global sales has been recognised by winning the prestigious Queen's Award to Industry on no less than three separate occasions. This achievement ensures Parker's position as one of the foremost providers of reliable and dependable solutions for crushing, screening, concrete and asphalt applications throughout the world. The hub for this huge wealth of practical, worldwide experience is a purpose built, centrally located, 18 acre site in Leicester, England. When allied with the latest advances in design and engineering technology and modern, quality controlled, manufacturing processes, this provides the foundation for Parker's enviable reputation for technical ability, quality and reliable plant performance.





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Manufacturing & Assembly

Parker Plant has been operating from the same 18 acre site in Leicester since 1925 and is able to draw upon its extensive facilities, plant & equipment and highly skilled workforce to enable the fabrication, machining and assembly of its full product range.

In addition to this comprehensive machining and fabrication capability, Parker Plant designs and builds all of its own electrical and PLC control systems. The factory also incorporates heated and filtered paint spray booths and extensive fitting bays where manufactured equipment undergoes full inspection, final testing and packing prior to delivery to the client. Internal management procedures ensure quality control is monitored and maintained throughout all aspects of the manufacturing process, resulting in a reliable and quality product.









Crushers & Screens

At the heart of every Parker crushing project is a range of crushers and screens that have been developed and tested over many years. Each machine embodies the wealth of experience which results not from hundreds but thousands of successful installations worldwide.













Jaw Crushers

Renowned for their strength, Parker jaw crushers are built to last and give years of quality production even under the toughest of conditions.

The range extends from small, low cost crushers such as the StoneSizer & Granulator for start-up operations through to high end crushers with capacities in excess of 800 tonnes/h.

RockSizer jaw crushers, depending on size, can be used in either primary or secondary positions

RockSledger jaw crushers are designed for use in primary positions and have the strength to crush the hardest of materials at high capacities.

Cone Crushers

Designed to operate across a wide range of duties, the Parker cone can be fitted with a variety of cavity profiles from extra coarse through to extra fine, giving this machine outstanding versatility.

The cone features automatic hydraulic setting adjustment controlled by PLC with independent hydraulic tramp metal relief assuring a high degree of protection from damage to the crusher.

Using both hydraulic systems to raise the bowl, a blocked crusher can be cleared almost immediately, reducing downtime and increasing productivity. This feature is especially useful for projects where uncontrolled feeds are likely.

The GlobalCone series of cone crushers feature a highly rugged, more compact design than the standard cone.

While generally operating at higher speeds, the GC cone maximises performance and gives greater reduction capability as well as higher application throughputs.

The automatic hydraulically adjusted and clamped screw top design is also controlled by PLC which provides accurate, consistent control and regulation of crusher setting.

Impact Crushers

Designed in the 1930's the Parker Kubitizer is the original fixed hammer impact crusher for the production of high quality, high strength cubical shaped aggregates in secondary or tertiary, low abrasion applications.

No shear or compressive crushing action takes place and every stone is broken by impact forces at its weakest point to provide an exceptionally strong and well shaped product.

The simplicity of the Kubitizer design means that the size of the aggregate produced is controlled by adjusting the speed of the rotating hammers and, in turn, the speed at which material is propelled against the manganese blow bars which form the curvature of the crusher body.

Parker hydraulic impactors are designed for primary, secondary or tertiary crushing of highly abrasive materials, recycling materials and medium-low silica materials.

The hydraulic range of impact crushers incorporate heavy, open disc style, two or four blow bar rotors as standard and three hydraulically adjusted impact aprons control product size and a hydraulically opening body provides ease of maintenance. The blow bars are manually adjustable for wear and renewable liner plates are fitted throughout.

Blow bars are cast in manganese or chrome iron, as are the wear liner plates, to give the highest wear/metal utilisation factor.

Screens

Parker Rapide inclined vibrating screens efficiently produce high outputs with low capital outlay and operating costs.

All side-plates are huck bolted to cross members to maintain uniform tension across the screen box for longer life and reduced downtime.

Over 60 screens are available in different sizes and numbers of decks. All feature full width single eccentric vibrating shafts mounted in self-aligning spherical roller bearings for trouble free operation.

Optional spray bars can be fitted for washing or rinsing applications.

Static Crushing & Screening

All Parker crushers and screens are available in a combination of static, mobile or tracked configurations in order to offer not only the most cost effective final plant layout but also take account of transport and subsequent installation costs.

Static installations for larger, longer term investments offer benefits of economies of scale and can be designed with several crushing and screening stages to maximise output based on product requirements.

The RockRanger series incorporates the RockSledger of primary jaw crusher and is suitable for both quarrying and mining applications incorporating a heavy duty vibrating grizzly feeder or a feeder & grizzly screen option.

















The RockRanger incorporates a wide discharge conveyor with good clearance under the crusher and the feed hopper is an externally reinforced heavy-duty structure to stand up to the toughest of jobs.

The Parker range of cones and impactors can be used for a variety of secondary and tertiary crushing applications in larger crushing installations.

A full range of Parker screens and conveyors are available to compliment any installation. Ancillary equipment such as belt weighers, overband magnets and metal detectors can also be supplied.











Mobile Crushing & Screening

Parker mobile crushers are renowned the world over for their rugged, practical design and their mobility offers maximum flexibility in meeting operational requirements.

The mobile range of equipment combines ease of operation, reliability and versatility to maximise production, minimise downtime and give significant returns on investment for many years into the future.

The range includes mobile jaw, cone and impact crushers as well as mobile screens from smaller capacity machines through to larger primary, secondary and tertiary composite crushing plants.

Different power options are available according to requirements; all electric, diesel electric or diesel hydraulic.

Parker's extensive range of crushers and screens has been developed from over a century of experience enabling projects to be tailored to meet specific production requirements whatever the industry.

















Self-Contained Crushing & Screening

The Parker “CrushRanger” series defines the concept of single or two stage self-contained, crushing and screening plants mounted on a single chassis.

The 1301 is a mobile single unit crushing and screening plant with a primary RockSizer jaw crusher and feeds the crushed material over a three-deck Rapide inclined vibrating screen.

Oversize from the screen is returned in closed circuit to the StoneSizer granulator jaw crusher. The whole unit is mounted on a single chassis with either integral conveyors or independent free-standing units to give larger aggregate stockpiles, and produces graded aggregates in three or four product sizes.

The 1208 is a mobile single unit closed circuit crushing and screening plant for processing aggregates in up to four product sizes. Material is fed from the main feed conveyor onto a four deck Rapide screen. Rejects from the top two decks are crushed via a RockSizer jaw crusher and RollSizer prior to further screening. All oversize material is returned by rotary elevator in a closed loop.

Other crushing configurations are possible depending on application which can utilise cone or impact crushers.









Tracked Jaw Crushers

Suitable for the aggregate, mining, recycling and contracting industries Parker offer a complete range of high performance tracked primary jaw crushers that can be quickly and easily put to work or moved from one location to another.

Parker's design of jaw-stock geometry perfected over decades gives impressive outputs when crushing even the hardest of material. Where high capacities, reliability and excellent manoeuvrability are required Parker tracked jaw crushers will perform.

Parker tracked jaw crushers incorporate full automatic PLC control featuring wireless remote control for all operations.

Tracked crushers are predominantly used for demolition and recycling applications and small to large crushing projects where minimum site preparation is necessary to provide cost effective operating benefits.

Combined with tracked secondary crushers and tracked screens, complete aggregate production plants can be supplied to provide individual graded aggregates for a wide range of projects.













Tracked Cone Crushers

Parker high performance tracked cones are designed for integration with other equipment from the Parker range. Ideal for maximising production in secondary or tertiary applications where reliability coupled with optimum mobility is required.

Available with integral screen and recirculating system whereby oversize material is returned to the cone in a closed circuit, thus eliminating the necessity for extra screening and conveying equipment.

Robust tracks ensure excellent on site positioning and mobility together with operational stability. Tracked cones also incorporate the same control system benefits as featured on Parker tracked jaw crushers.











Tracked Impact Crushers

Parker tracked impact crushers are available in a range of sizes for medium to high volume primary and secondary crushing duties and are designed for use where high performance and reliability, coupled with excellent mobility, are required.

Parker tracked impact crushers can be used in a variety of applications such as quarrying, mining, recycling and demolition. The range of impact crushers feature direct drive to a heavy duty open disc style rotor providing high inertia to optimise crushing performance.

Available with integral screen and recirculating system whereby oversize material is returned to the impact crusher in a closed circuit, thus eliminating the necessity for extra screening and conveying equipment.

Tracked impact crushers are fed with either a vibrating grizzly feeder or when more aggressive cleaning is required a rotating disc grizzly feeder can be fitted to remove clay and other loose material before crushing.

Robust tracks ensure excellent on site positioning and mobility together with operational stability. Tracked impactors also incorporate the same control system benefits as featured across the range of Parker tracked crushers.











Tracked Inclined Screens

Versatile, convenient and easily transported, Parker tracked screening units provide efficient product screening, whether combined with Parker crushers for overall crushing and screening capability, or used as stand alone screeners for effective operation across a wide range of screening duties.

Parker tracked screens utilise high efficiency inclined vibrating screen boxes; offering exceptional output capacity and accurate separation for screening either sand, gravel, aggregate or recycled/demolition materials.

Robust tracks ensure excellent on site positioning and mobility together with operational stability. Variable speed forward and side product conveyors are hydraulically operated and easily stowed for transport.









Tracked Scalping Screens

Versatile, convenient and easily transported, Parker tracked scalping screens provide efficient separation of oversize product in a variety of applications.

Primarily intended for use as a first stage screening operation, Parker scalping screens are used in many industries allowing more efficient utilisation of subsequent material processing and use.

Parker scalping screens can be supplied either with rubber belt feeder or steel plate apron feeder. In addition, the scalping screen top deck can be fitted with a wire mesh, punch plate, bofar bars or heavy duty grizzly dependent on application. Robust tracks ensure excellent on site positioning and mobility together with operational stability.

Variable speed forward and side product conveyors are hydraulically operated and easily stowed for transport.















Urban Crushing

Parker urban crushers are compact units designed specifically for ease of transportation and use in urban applications, primarily in demolition and recycling.

Parker urban crushers incorporate RockSizer jaw crushers and come in two ranges, hook lift and hydraulic lift. The RH range of skid mounted jaw crushers incorporate feed hopper, vibrating grizzly feeder and self-contained power unit on a single hook lift chassis fitted with steel rollers for ease of loading and relocation.

The RJ range shares the same features as the RH urban crusher but it utilises four hydraulic legs to facilitate ease of loading and unloading via a standard flatbed trailer rather than using a hook lift.

Both ranges are diesel hydraulic, fully self-contained with easy to operate controls and feature a folding hopper and conveyor for compact transportation and ease of access to urban sites with no ground preparation required. Options include side conveyor and overband magnet for demolition and recycling applications.







Parts & Service

Never compromise the reliability and performance of your Parker equipment by fitting non-original spare parts or components.



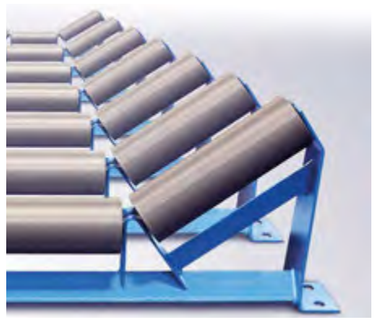
Our dedicated parts department maintains strict and full control over quality and component integrity to ensure each and every part meets Parker's exacting engineering standards.

Parker's engineering service team provides further after sales support to the customer covering mechanical and electrical operation.

Email, fax or simply call our Parts Department for experienced and professional advice on maximising your productivity and protecting your significant investment in Parker equipment.

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