

POWER X EQUIPMENT

THE NEXT GENERATION IN AGGREGATE & MINERAL PROCESSING

www.pxequip.com

+44(0)2476 405 100

info@pxequip.com



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MESSAGE FROM CEO



Here at PowerX Equipment, we're not just transforming the aggregate and mineral processing industry – we're shaping it with our hands-on approach and unwavering commitment to excellence. Our team is dedicated to understanding your unique needs, crafting personalised solutions that exceed expectations every time. With PowerX, you're not just a client; you're a valued partner in our journey towards success.

Alex Moss
CEO of PowerX Equipment

PowerX Equipment is the next generation in aggregate and mineral processing. Established by industry experts boasting decades of experience, we grasp the industry's dynamic essence and the evolving demands of our clients. With an unwavering commitment to enhancement, we pledge to tailor our operations to fulfill both your current and future equipment and service needs.





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ABOUT COMPANY

Experience where it matters

PowerX Equipment brings together a passionate and seasoned team alongside trusted brands like Powerscreen, Terex, Matec, AMP, and MS. Backed by our highly skilled engineers, we keep your operations running smoothly with exceptional equipment servicing.

Whether you're in the market for a single machine or planning a full-scale plant setup, we've got you covered. From Aggregate Washing to Crushing & Screening, Bulk Materials Handling, Recycling, and Materials Processing equipment, we design, supply, and install everything you need for success. Expect nothing less than seamless integration and profitable outcomes with PowerX Equipment.

Mission Statement

PowerX are committed to long-lasting relationships with customers and suppliers with service and integrity at the core of everything we do.



INDUSTRY LEADING WASHING EQUIPMENT

At PowerX Equipment, our primary objective is to give our customers a solution to any issues that occur within their processing needs. This may be the supply of a new or pre-used processing plant, additions to existing equipment or advice from a team of engineers and sales staff with over 40 year's processing experience.

Equipment can be purchased, hired or supplied on a unit cost basis (price per tonne), either with or without operators and mobile equipment.

The PowerX Equipment supply chain, comprising world-leading OEMs, guarantees that every piece of equipment supplied is meticulously designed for its intended purpose. With a paramount focus on health and safety, our equipment ensures peace of mind while delivering optimal performance.

PowerX Equipment work to the highest standards and hold all the following accreditations **Avetta**, **ISO 14001:2015**, **ISO 9001:2015**, **ISO 45001:2018**, which is testament to the systems and procedures in place within the business, giving our customers the confidence that we can deliver in a safe and professional manner.



Avetta





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AGGREGATE WASHING PLANTS

The washing of aggregates is required for many markets and applications. Today the finished product needs to meet specifications outlined by the ever stringent and demanding world markets. Where dry screening was accepted in the past, washing and scrubbing are now required to produce a silt free product. Utilising our knowledge and experience of the aggregate washing industry, we develop bespoke systems that deliver optimised performance to meet your processing requirements.

BESPOKE DESIGNED WASHING PLANTS

PowerX Equipment has over 40 years' experience in designing, installing & supporting wash plants and is able to offer industry leading washing equipment for your every need.

LOGWASHERS

Full range provides high speed scrubbing of heavily contaminated aggregate to produce cleaner material at a faster rate. Ranging from 50 tonne per hour up to 200 tonne per hour depending on the operation.

SAND PLANTS

A full range of Cyclone Compact Plants, both single and twin grade. Industrial Sand Classification Plants with the ability to remove Organic Contaminations.



CONVEYORS

A variety of bespoke, heavy or light duty conveyors in a range of sizes, to suit different applications are available

DEWATERING SCREENS

Dewatering Screens are designed for the dewatering of sand and trash with maximum performance in a range of applications. These vibrating screens are high capacity and built to last.

FEEDERS

Our project specific Feeders are available in a range of sizes to suit various applications

RINSING SCREENS

Static Screenboxes are designed for maximum production efficiency in applications including sand and gravel, coal, stone, slag, concrete, iron ore and silica glass.



MOBILE SCREENING

PowerX Equipment has extensive experience in Screening. We provide the right equipment to meet our customers' specific requirements. We are the official Powerscreen hire dealer for England and Wales and supply, install and maintain a comprehensive range of mobile and static Screening equipment from the world leading machine manufacturer.



WARRIOR RANGE

From the Warrior 600 to the Warrior 2400 – Power screen solutions to facilitate all plants including small end and large-scale operators.



CHIEFTAIN RANGE

The Powerscreen Chieftain range is designed to support productivity and reliability across the material processing industries.

HORIZONTAL SCREENS

Stationary and portable plant solutions in a variety of sizes and deck styles to accommodate virtually any application.

MOBILE CRUSHING

PowerX Equipment specialises in the supply of high performance Crushing technology for the aggregate processing industry. Our product portfolio consists of a comprehensive range of mobile and static crushers from Terex® Minerals Processing – a world leading manufacturer.

Jaw Crushers
Cone Crushers
Impact Crushers



All of our machines are also available for either long or short term hire.





TEREX® MPS

Terex® MPS provides a complete range of crushing and screening equipment to customers around the world operating in four key industries:

Mining

Aggregates

Demolition and recycling

Industrial minerals

TEREX® MPS STATIC PLANTS

Terex static products are designed to operate at the highest level, ensuring effective processing of aggregates.

Offering flexibility, reliability and efficiency with built-in ease of use. This is equipment you can count on to deliver optimum performance, whatever your industry, whatever your location, day in and day out. With fast, easy maintenance as standard, you can look forward to minimal downtime and enhanced profitability.



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TEREX® MPS

TEREX® MPS PORTABLE PLANTS

Terex high-capacity portable crushing systems are designed to deliver and built to last. They are quick to set up and dismantle, easy to operate in any location - plus they offer true fuel efficiency. Their exceptional portability, productivity, efficiency and quality deliver real advantages over other systems.

In addition, they save labour, power, maintenance, plant relocation costs and time plus gain productivity and profitability. Terex® MPS Portable Crushing & Screening Plants offer the essential flexibility, control and reliability to make the difference on every application.

TEREX® MPS MODULAR PLANTS

Comprehensive, flexible and effective, the Terex MPS Modular product range has been specifically created to meet a very wide range of static crushing and screening applications. All modules are pre-engineered, pre-built, pre-wired and pre-tested to operate on a small footprint with low civil engineering and operating costs to meet interchangeably with fast, easy on-site assembly and minimal wiring. Plus, the modules and components can be easily transported in standard 40ft (12.2m) shipping containers or by road, enabling our customers to quickly mobilize on site to a different location.



WATER MANAGEMENT SYSTEM

Traditionally, lagoons have been used to settle the silt (- 63 micron) and reuse the water in the washing process. Nowadays due to environmental, planning or space restrictions, new solutions are available from PowerX Equipment.

FILTER PRESS

Filter presses are used to dewater sludge from the underflow of thickener tanks. Filter presses operate on a batch process and produce a dry silt cake that is typically between 20% and 30% moisture. The basic principle involves thickened sludge being pumped under pressure in to the chambers within the press.

Each filter plate is covered by a filter cloth and as the sludge is pumped in, the water drains through the filter cloth and exits the plates. When the water has sufficiently drained to the required moisture content, the press automatically opens and discharges the dry cakes into a stocking bay below.

CENTRIFUGE

Centrifuges dewater sludge on a continuous process using the principle of centrifugal force. Centrifuges are becoming more popular in the aggregates industry due to their compact size relative to the production levels, their lower capital cost and their lower operating costs.



DYNAMIC

Dynamic Thickeners are commonly used for the separation of silt and water from sludge. They are circular tanks with a shallow cone section and internal rake. The sludge is fed into the top of the thickener where flocculent is added. The rake rotates slowly and gradually pulls the settled silt towards the central discharge port. By monitoring the torque level on the rake we can control the density at which the sludge is discharged.

FLOCCULENT SYSTEM

Flocculent is used in the water treatment process to initially separate solids (- 63 micron) from water. Flocculation occurs when destabilised particles are brought together by high molecular weight polymers such as Polyacrylamides. These polymers physically form a bridge between two or more particles, uniting the solids into loose three-dimensional structures.

These structures are both denser and more porous than the untreated solids and so help in the typical/common forms of mechanical dewatering employed. PowerX offers a range of Flocculent Mixing Systems that automatically prepare a batch of flocculent by mixing the flocculent powder with water to achieve the required concentration. Our systems are size specific to each application to ensure the flocculent has sufficient time to mix prior to being dosed, ensuring the best results and minimising the amount of flocculent required in the process.





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PARTS & SERVICE

All our installations come with a recommended spares list to make it as easy as possible to order your spare parts. We have a dedicated parts division supplying genuine Powerscreen, Terex, Matec, AMP and MS parts to support your business. PowerX Equipment can fabricate and fit bespoke wear parts, chutes, structures, pipework and more. Our parts system records all the parts you order, so reordering is problem free and just a phone call or email away.

SERVICE EXCELLENCE

Service is the most critical factor in keeping your business operating. We have an experienced team of highly qualified engineers ready to keep your operation up and running and minimising your downtime with most parts available for next day delivery.

CONTRACT MAINTENANCE

We offer first-rate maintenance contracts using our team of experienced Service Engineers and the full support of our Parts, Service and Installation experts.

We are on hand to provide full support to our customers and to work with them, to ensure production efficiency is maximised.

Contact us to discuss how utilising a Contract Maintenance package would benefit your business.



PX EQUIPMENT



PX Equipment offers the highest quality in washing, crushing, and screening equipment for the mining and quarrying industry. We are the official Powerscreen® and Terex® representative, selling equipment and support across the African region. We provide a comprehensive package, offering everything from individual plant options to bespoke design and turnkey operations. PX Equipment is the official Powerscreen and Terex representative selling equipment AND support across the African region. We provide a comprehensive package offering everything from individual plant options all the way to bespoke design and turnkey operations.

PX Equipment is a Ghanaian based company with extensive experience in the industry. Along with providing equipment from our stock of Powerscreen and Terex spares, our team of highly experienced service engineers can provide a full maintenance and aftersales package including onsite support.

With three strategically placed depots in Ghana, Nigeria and Ivory Coast, we are able to sell equipment and provide support right across the African Belt.

With an impressive portfolio of multiple Washing, Crushing and Screening projects, PX Equipment is your one stop shop for the Quarrying, Recycling and Mining sector.

We offer a wide range of mobile crushing and screening equipment for use in the extractive, mineral processing and recycling industries.



All of our machines are also available for either long or short term hire.

With the wide range of equipment available, our products can be used for a variety of industries and across a diverse range of applications.

We have experience working with a variety of different materials so whatever your processing requirements, we have the knowledge and equipment to fulfill your needs.

All of our engineers are trained to a UK standard and can provide a full maintenance and after sales package including onsite support. With our extensive range of spare parts, readily available from our depot in Ghana, you can be confident that your equipment will have a long future.



POWER X EQUIPMENT



Power X Equipment Ltd

Site 7 Meriden Park, Cornets End Lane
Meriden CV7 7LG
+44 (0) 2476 405 100



PX Equipment

PO Box AN7788, Accra-North, Off Main
Tema-Aflao Road, Nr University Campus,
Dawanya, Ghana
+233 (0) 302 984 830



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