



Flottweg Centrifuge Sales



Belt Filter Press and Thickener Sales



Mobile/Contract Dewatering



Klinkau Filter Press Plate Sales



Centrifuge Maintenance



Filter Press Refurbishment and Maintenance



Sludge Drying Equipment



Euroby

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Euroby – is one of the UK's leading environmental waste processing organisations and specialises in sludge treatment, dewatering, thickening and drying. Euroby supplies plant and equipment for Water Industry, industrial, food, pharmaceutical, animal feeds, brewing, tannery and petrochemical applications etc.

Equipment is available for sale or hire

Ideally located with offices in the North and South of the UK and a well equipped workshop in the Birmingham area, Euroby's capabilities include system design, installation, operation, maintenance and client training.

Centrifuge Sales

Euroby is the UK and Irish Agent for Flottweg GmbH & Co. KGaA, supplying the company's comprehensive range of dewatering and thickening centrifuges for all applications and types of materials.

Since the mid-fifties, Flottweg has designed, manufactured and sold thousands of horizontal solid bowl centrifuges and hundreds of belt presses. These products which are well respected across a wide spectrum of industries and in food & beverage are offered to the UK and Irish markets by Euroby.

Flottweg's worldwide representation via its own branches and service centres in the major industrialised countries is complemented by Euroby's expertise and its enviable service and support team in the UK.

A comprehensive range of services are offered for Flottweg centrifuges and those manufactured by others thereby ensuring all Euroby's customers centrifuges remain in reliable working order.

Centrifuge Maintenance Services include; on site vibration analysis, internal inspection without the need for dismantling, on site servicing and process optimisation, machine repair/refurbishment (internal scroll/conveyor, machine modifications and balancing) to ensure optimum performance.

Mobile dewatering units

Euroby operates a fleet of mobile and semi-mobile centrifuge and filter press dewatering units with throughputs of 15-120m³/hr. The dewaterers can incorporate polymer dosing systems, munchers, lime and cake mixers and sludge pasteurisation processes. They are supplied as self-contained units on a bespoke trailer with pipe-work connections and cake discharge conveyors.

Centrifuges, filter presses, belt filter presses and thickeners are supplied on a rental basis, for short-term emergency requirements, or for cost effective solutions in long-term projects. Specially designed equipment is also available for unique applications.

Sludge Dryers

Euroby Drying Technology Limited specialises in the supply of machinery and equipment used to dry a variety of different materials.

Centridry

The CENTRIDRY® enhanced dewatering/drying system offers a unique single stage process combining centrifugal mechanical dewatering and thermal drying in a compact machine based on a decanter centrifuge with a small footprint. This unique drying system will process sludge with

an incoming d.s. of 2% -7% and produce, within seconds, fine grained, low dust sludge granulate with 60% – 90% d.s. depending on current operational requirements. The process is suitable for a variety of sludge types ranging from sewage to pharmaceutical.

Belt Dryers

Euroby supplies Stela belt dryers which were developed to dry various sludges in a simple, energy efficient and dust free way to d.s. contents of 65% to 95%.

The system is unique in that mechanically dewatered sludge is extruded on to the perforated belt using patented technology, following which, it is conveyed slowly through the drying zone and discharged at the end of the conveyor. This retention time can be adjusted very accurately such that homogeneous drying is achieved. The Stela dryer uses low temperature for successful drying of many different materials including "difficult products" and produces either a worm like or high quality granular product.

Drum Dryer Systems

Euroby supplies Drum Dryer systems to satisfy municipal applications where large evaporation rates (>4t/h w/e) in single stream are required to be dried with low energy consumption, low exhaust volumes and granulate formation without further processing. Complete plants including wet and dried sludge storage systems and exhaust gas treatment can be supplied designed to meet stringent safety standards.

Safety Consultancy – Drying Technologies

In addition to supplying drying products, Euroby's Process Engineering services also include Safety Consultancy and process optimisation for existing dryer installations of all dryer types.

Filter Press – Plate Sales and Spares

Euroby is the UK and Ireland Agent for the sale of Klinkau filter press plates.

These high quality plates, manufactured from modern materials are supplied as standard, bespoke or specially designed for the application intended.

Euroby can often supply used/refurbished filter presses ex stock together with a comprehensive range of spares and cloths at competitive rates.

Filter Press maintenance and refurbishment

Euroby is the exclusive distributor for Klinkau polypropylene filter plates and specialises in providing upgrades to existing filter press installations. In particular, by utilising existing filter press frames we are able to provide significant improvements to both throughput and cake dry solids. On most applications we can also provide varying levels of automation.

Upgrading from cast iron plates to polypropylene provides benefits from significantly improved filtration and due to the lower weight of plates, a reduction in the stresses being applied to press closing equipment. Euroby regularly carries out upgrades to filter press installations which lead to extended working life of the equipment by up to 25 years.

In addition to recessed plates, Euroby are also able to retrofit membrane inflation technology into existing press frames thereby allowing significantly reduced cycle times, greater throughput and achievable dry solid production. On many upgrades we are able to achieve up to 35% improvement on overall press efficiency.

Many existing filter press installations do not comply with current health and safety legislation. Euroby are able to provide a range of modifications to provide a safe working environment for the operators.

Cost efficient peak performance goes hand in hand with regular maintenance. Euroby's Service Division offers a comprehensive service, maintenance and breakdown facility. Our highly qualified and experienced engineers and technicians are always available to keep your press running at its best. Our engineers are qualified to work on all filter press installations and their associated ancillary equipment including sludge feed pumps, control panels, hydraulics and polymer dosing systems.

Euroby are able to provide a comprehensive service for filter press refurbishment and maintenance and case studies of previous upgrades are available on request.

Lime stabilisation systems

Equipment is supplied as compact, self-contained units with integrated silo and mixer, or as individual components. Our systems utilise weighing facilities to accurately measure the quantity of additive to be mixed with incoming cake. Dosing is controlled automatically, enabling correct dosing levels to be maintained despite fluctuating cake feed rates. Units are available for sale or hire.

Eurosonics – Ultrasound Equipment for Disintegration of Biological Sludge

Euroby supply the Eurosonic ultrasound disintegration equipment for application in the treatment of biological sludges. These units are attractively priced to provide good payback on projects where the efficient anaerobic digestion (AD) of biological sludges such as waste activated sludge is required for biogas production and where increases in dewaterability of digested sludge is required. It would be typically used in AD projects with 10 dry tonnes of sludge per day or more. The system can also be tuned to prevent biological foaming in digesters and aeration lanes.

The Eurosonic ultrasound disintegration system generates high power density and amplitude and more importantly can cope with large changes in pressure and viscosity without loss of performance.

Belt Conveyors

Euroby offers the sales of purposely designed powered telescopic and slewing belt conveyors for the handling of sewage cake and most granular materials in 12, 14 or 18 metre sizes. Standard machines incorporate slewing, telescopic and infinitely adjustable belt speed capability. Features include fully automatic terrace building programs.

Euroby's belt conveyor system is suitable for a multitude of materials.

Conveyors are available for sale and hire.

Belt Filter Technology:

In order to provide our clients with a single point of contact for all of their dewatering requirements, Euroby Ltd is proud to bring to the Market a range of belt thickeners and dewaterers. The Tefsa range of machines encompasses over 30 years of development and sales in a vast field of dewatering applications, over 2000 units have now been sold.

The low energy bills and frugal polymer consumption of belt dewatering systems appeals to the cost conscious, without compromising on performance or reliability. This, combined with very low operator input requirements make them ideal for today's streamlined processes.

Tefsa's wide experience has allowed them to tailor the range so that clients can precisely target their budget and performance requirements, from the smallest installation where space is at a premium – to the largest where performance and throughput count. 4 Model ranges are available covering all key applications, from municipal sludge, through paper and chemicals to specialist applications. Within these ranges you can mix and match using a variety of frame materials, belt widths up to a massive 3.0m and the possibility of integrating gravity dewatering where particularly thin sludge is encountered – and of course these machines are available in enclosed format to satisfy the most rigorous odour containment requirements.

The range of belt thickeners is available as stand-alone machines with not only a range of belt widths, but also of table lengths – giving a throughput range from a tiny 2m³/hr to a useful 150m³/hr. All this backed by Euroby's proven experience over many years in the dewatering field and our renowned after sales service means that it is no longer necessary to shop around – let us do it for you!

Maintenance and Technical Support

A comprehensive range of services are offered for all of the products supplied by Euroby including installation of new and refurbished equipment and a true - 24 hour maintenance and after-sales support for own and third party equipment. Euroby has the ability to source and supply within a short timescale for large and difficult projects, often mobilising plant within a few days.

Operational Services

Equipment can be manned for up to 24 hours per day seven days a week by Euroby's highly skilled staff who benefit from experience gained working on numerous projects in the UK and elsewhere in Europe.

Turnkey Capability

Euroby offers extensive a full turnkey capability. Complete integrated plants can be designed to meet customer's specific requirements:

- Design, manufacture, installation & commissioning
- Training
- Service and repair
- Diagnostics and maintenance programmes
- Plant operation
- Machine rentals & operation