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1. GENERAL

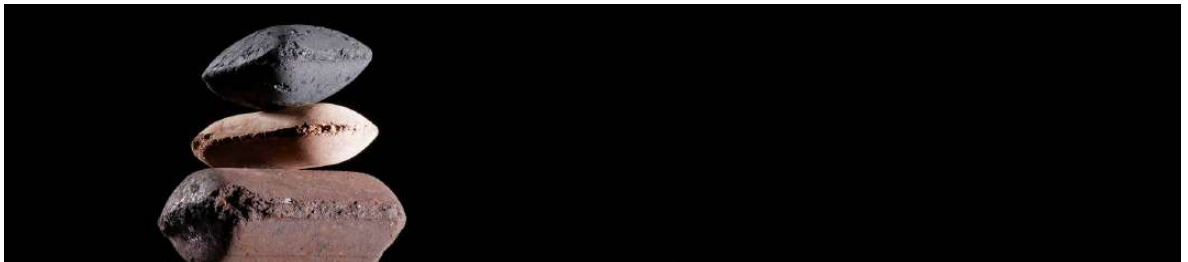
EURAGGLO is part of the KÖPPERN Group involved in designing and manufacturing briquetting and compaction-granulation systems, as well as comminution units based on the roller-press technology.

EURAGGLO builds its own range of briquetting presses and compactors and offers services on a wide range of equipment.



2. MAINTENANCE SERVICES AND SPARE PARTS

EURAGGLO provides spare parts and additional services to help you maintain your briquetting presses or compactors in optimal operating conditions and guarantee the quality of your briquettes and granules.



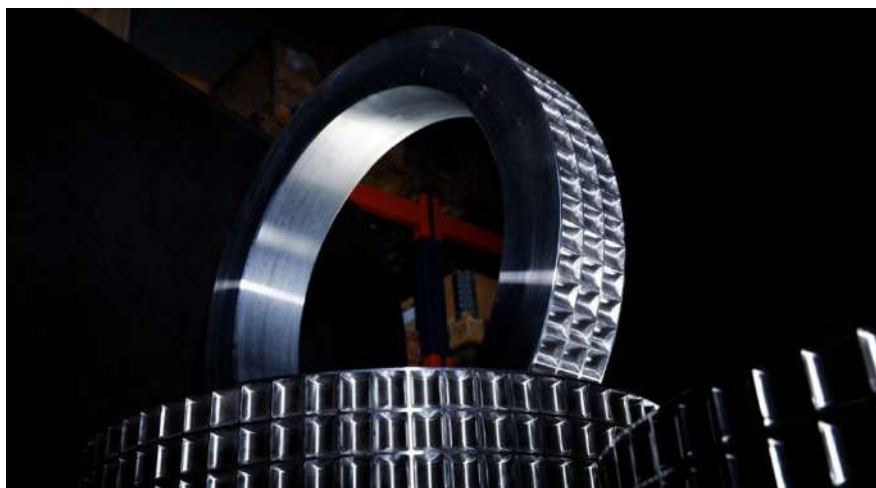
2.1. Wear and spare parts for roller presses and compactors

Our equipment is built to work with a minimum of spare parts. However, during the lifetime of an installation, wear and tear occurs naturally and spare parts become an essential element to guarantee faultless operation.

EURAGGLO and the KÖPPER group offer innovative solutions for the maintenance of your presses and compactors as well as for all types of similar units sold by other suppliers:

- Moulding rolls manufactured in one piece from forged or moulded tyres or segmented rolls (special steel, tool steel, stainless steel, etc.).
- Shafts for presses/compactors.
- Force-feeders and associated parts (feed screws, cheek plates...).
- Housings, roller bearings and seals for moulding rolls sets.
- Gearboxes and toothed couplings.
- Hydraulic components (cylinders, accumulators...).
- Centralized lubrication systems.

2. MAINTENANCE SERVICES AND SPARE PARTS



2.1. Wear and spare parts for roller presses and compactors

We offer guaranteed access to Euragglo stock or consignment stock directly at your location. The consignment stock includes mutually agreed parts. It ensures a high availability of spare parts and thus reduces the risk of premature wear and tear or breakdown.

To help you optimize your spare parts needs, we propose to regularly inventory these parts. Our experts will check the current inventory stock levels in your facility and can give you recommendations for restocking based on actual levels, determined equipment wear rates and our experience.

2.2. On-site assistance

Our experienced technicians are perfectly familiar with our equipment. Our technical team, present throughout the world, ensures their follow-up by offering on-site assistance for the maintenance of your units and the development of adapted solutions.

2. MAINTENANCE SERVICES AND SPARE PARTS



2.3. Mechanical diagnostic on presses

- Refurbishment/repair service on your facilities or in our workshops.
- Fast and reliable diagnostics by our specialists.
- Highlighting of potential improvements to be made in order to optimize the lifetime of the components and to secure the operation of the main equipment.

2.4. Maintenance contract

- Maintenance contracts with regular checks of your equipment and working parameters to ensure a reliable operation.
- Proposal for storage of key parts in return for a commitment to purchase over a given period.

2.5. Retrofit / Revamping

As process equipment age over their years of operation, it may be advantageous to upgrade or modernize production. The installation of new components can be done either by yourself or with the help of our experts.

Retrofit can include, for instance, the mechanical improvement of existing equipment in your production unit or the replacement of inefficient or old equipment.

3. EXPERT SERVICES

The success of a briquetting or granulation project is often based on the development of a complete process starting with the preliminary design feasibility studies and ending with the monitoring of the equipment once it is installed. Based on the experience of its team, Euragglo puts its know-how and expertise at your service to satisfy all stages of the life of your project.



3.1. Audit of existing plant

Questions about maintenance or processes? Euragglo can help you to audit your briquetting or granulation compaction units in order to improve the quality and quantity of agglomerated products and reduce your maintenance costs. Our experts will work with your on-site staff to improve your production lines and train your operators.

3.2. Process support

We propose to operate a process audit to help you evaluate the current state of your unit. Our experts will show you the improvement possibilities of the process or the unit structure in order to avoid future production losses and reduce obvious risks of shutdown.

After the technical audit, we can carry out a complete study on the revamping of the plant. The report usually includes mass balances, evaluation of the different equipment in comparison with other equipment and recommendations on measures to be taken to make potential improvements (including their feasibility). The objective of the report is to identify areas for improvement and provide suggestions to answer to them. In addition, an estimation of the costs of potential improvements may be provided.

3. EXPERT SERVICES



3.3. Briquetting and granulation tests

In our pilot plant in Quiévrechain - France, we offer to carry out feasibility tests of briquetting or granulation. We have at our disposal presses and compactors of various sizes and designs, complementary equipment such as mixers, grinders, sizers... as well as equipment for testing the physical characteristics of agglomerated materials. Our many years of experience allow us to offer our customers our know-how in many industrial applications.

3.4. Toll production

When you need to evaluate the quality or characteristics of briquettes or granules in relation to a process or a market, we can offer to produce for you a few kilos or a few tonnes of agglomerated or granulated material in our pilot plant. We also offer an equipment rental service in case you would like to carry out the production yourself in your plant.

3. EXPERT SERVICES



3.5. Equipment rental

In order to confirm the feasibility of the tests carried out in our pilot station, we also offer an equipment rental service. Euragglo has a wide range of presses, compactors and crushers of various sizes for on-site installation allowing you to carry out your productions in real industrial conditions. In general, our rental equipment is supplied with control panels and PLC system allowing you to record the main data of the production line.

3.6. Site supervision, erection and commissioning

When new or refurbished equipment is sent on site, our team offers you an assembly and commissioning supervision services so that you can start up your equipment in the best possible conditions.

3. EXPERT SERVICES



3.7. Maintenance and Inspection Services

To achieve top performance and reduce the risk of unplanned shutdowns, we recommend regular maintenance and inspection of equipment and other plant components by qualified experts. Our philosophy is to build machines that are easy to maintain, so that you can carry out the majority of regular maintenance work yourself. Nevertheless, if you need our assistance, we will provide you with all the help you may require.

The inspection service adapts to your needs and the type of equipment existing in your unit. The purpose of our service is to guide you through the necessary inspection steps that need to be done to identify the current condition of each piece of equipment and develop maintenance and repair plans to ensure optimal performance of the installation. Our experts will prepare a report describing and summarizing the conclusions that will help you optimize the maintenance of the unit.

After a long period of operation, the most exposed components must be maintained or repaired during a planned shutdown of the equipment. This service is meant to help you with scheduled maintenance or repair of the machine to minimize downtime. During the shutdown, we provide supervisors who will assist and advise your staff on how to perform all necessary maintenance work.

3. EXPERT SERVICES



3.8. Staff Training

Training your employees is essential to maintain and improve the performance of your plants. It is also important to develop the required skills and prepare staff for the challenges of today and tomorrow. We want to make sure that your staff understands the unit's important working parameters and is capable of maintaining it.

The courses are structured between theory and practical training on the equipment. A typical solution regarding staff training is "on-the-job training" during installation and commissioning of the equipment to ensure a trouble-free process from the very first hour of production.

On request, we also offer training after a certain period of operation or in the eventuality of a staff change on your premises.

4. CONTACT

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