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## REMEMBER...

- BEMA can supply any kind of spiral or screw flight, including conical ones.
- We also supply all types of screw shafts, and we're one of the leaders in screw conveyors manufactured for all purposes.
- We deliver everything according to customer specifications. We manufacture items to order, providing full customer satisfaction, and we always have reserve parts in stock.
- We stand ready to assist you if you experience operating difficulties. Contact us, and we'll tackle the job with our highly flexible approach.
- BEMA has its own design and fabrication departments, and we handle every stage of the production process in house. You will find us a highly competent partner.



All of which ensures that we can solve any transport need that involves screw conveyors – from idea to final result.

Our development and production facilities are located in Haderslev. That means that you'll find us close at hand, which is an advantage when you need a custom solution – especially if it's urgent!

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## CONTACT

Contact BEMA on mail: [info@bema.as](mailto:info@bema.as) or phone: +45 74 52 16 21

Our dedicated colleagues are ready to assist you with help, consulting and specification of your transport solution, which fit to your needs.

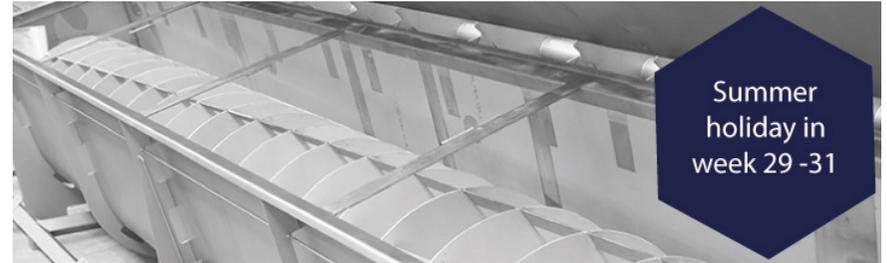


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# NEWSLETTER

JUNE 2016



## NEWS FROM BEMA

The screw conveyor transports material from point A to B, but this is only simplified statement regarding this machine. If a screw conveyor shall perform optimal for the purpose, it must be designed with exact technical know how and engineering skills to ensure a long lifetime.

In this publication of our newsletter we focus on the solutions with respect to maintenance under extreme conditions. BEMA has screw conveyor solutions ready for all kind of difficult media such as corrosive materials, abrasive materials and hot materials.

BEMA emphasizes great importance of maintaining its in-house expertise. Our own technicians and engineers have experience and knowledge to design screw conveyor solutions that can work with corrosive and abrasive materials – often in combination. It is a question of correct choice of material and craftsmen methods. The direct dialogue is just as important, which is the reason by having our own people designated in all areas.



## TRANSPORT SOLUTIONS FOR PAPER PULP



BEMA has delivered a specially developed system for the transportation of paper pulp. Despite the so-called paperless society there is actually an increased usage of paper. Large factories are located in countries such as Sweden, where they have an immense natural resource of trees, in addition to waste paper the primary raw material is the production of paper.

The solution consists of a screw rotor manufactured in stainless steel. The inner tube is manufactured in carbon steel and is covered with stainless steel sheet metal. The gear motor is mounted on top of the screw conveyor for optimal operating conditions.

Paper pulp is often in combination with a strong alkaline liquid, which requires specially developed equipment. In this instance, protection applied by using stainless steel materials in combination with carbon steel for structural strength. The screw conveyor system is an example of how we at BEMA can develop

special solutions for mounting at individual manufacturing plants.

## PALLETS CONVERTED TO BIO-FUEL

Transport pallets demand long-term durability before they are discarded due to wear and tear. When this happens there are various ways of recycling unusable pallets. BEMA has now delivered a specially designed screw shredder solutions. The screw conveyor can crush the pallets and transport the crushed wood out of the machine for further processing. The shredded wood is further processed into wood briquettes that provide bio-fuel and heat to general households.

The Shredding Screw Conveyor has a shredding capacity of 70 to 100 pallets per hour. The construction design is simple and easy to operate. Part of the machine is manufactured in Hardox-450 steel, which prolongs the lifetime. A drive chain is used to save space.

This solution again exemplifies how BEMA can deliver 'Screw Conveyor Solutions' that handles abrasive and difficult materials. The wood chips from shredded pallets are transported to an outlet at the end of the screw. From there they are handled for further processing.

BEMA is increasingly providing equipment to the recycling industry, which plays a more significant role in our society.

With precise design, the 'screw shredder' can both shred and transport materials. Feel free to contact us if you have a similar request to be solved.



## WHEN BLACKSMITHS BECOME CREATIVE



BEMA has had its blacksmiths on a special assignment producing a centrifuge, which operates inside a process machine within the food industry. The centrifuge is a finely crafted piece of stainless steel metal work that places great demands to handcrafted related work. The job has demanded blacksmiths' creativity and ability to create good solutions from the engineers' calculations.

**The product has passed the following main processes**

- Bending of the conical body
- Bending of the conical body
- Manufacturing of a set of conical flights
- Welding with TIG-Tungsten Inactive Gas welding
- Post hard chroming and balancing

The centrifuge application is used to a food substance, and it is important that the welding are smooth and without spatter. This can be guaranteed by using TIG welding that requires meticulous professional skills to achieve the desired result.

The centrifuge is a perfect example showing our ability to handle many different manufacturing processes in manufacturing screw rotors. The component is after product completion ready to be built into the finished process machine. BEMA has the expertise to solve such assignments, and our screw rotor department stand ready to manufacture any type of rotor-screw.

## NEW SALESMAN

We have employed Lars Rask as our new salesman based at the factory in Haderslev. Lars is 49 years old and lives together with his family in Haderslev. Lars has an impressive background in the steel metal industry, and has many years of experience with machines and steel works.

Lars has replaced Lasse Løgstrup and will be specially designated to our component customers. Lars will be highly committed in reaching out to both existing and potential customers within the components area and will ensure an on-going development of our customer relationships. Welcome to Lars.

