

Customised solutions:  
**SCREW CONVEYORS  
AND EARTH AUGERS**



SCREW FLIGHTS • SCREW CONVEYORS • EARTH AUGERS



**ANDERS PEDERSEN**  
MASKIN- & SPECIALFABRIK

## OUR SCREW CONVEYORS ARE USED FOR CONVEYANCE OF:



- WOOD CHIPS
- FISH
- ASHES
- GRAIN
- BIOMASS
- VEGETABLES
- MEAT AND BONE MEAL
- SAND AND GRIT
- FLOUR
- GRANULES
- ICE FLAKES
- CHEMICALS
- PLASTIC
- ABATTOIR WASTE
- SLUDGE

## WHICH TYPE OF MATERIAL NEEDS TO BE CONVEYED?

It is general knowledge that using screw conveyors is one of the simplest and yet most economic solutions for conveyance of material. Screw conveyors are used for many different applications and a variety of materials. Manufacturing a conveyor adapted for the specific raw material improves economy and efficiency.

However, that is not all!

## SECONDARY FUNCTION OF THE CONVEYOR

In addition to conveyance of raw material, a customised screw conveyor offers extended functionality. Depending on the design, screw conveyors are suitable for:

- Distributing
  - Compressing
  - Kneading
  - Mincing
  - Mixing
  - Dosing
- liquids as well as solids!**

## BEST FUNCTIONALITY AND TOTAL ECONOMY FOR YOU

### – WE POSSESS THE NECESSARY EXPERTISE

We have expert knowledge when it comes to customised screw conveyors. Having manufactured and developed screw conveyors for more than 60 years, we have thorough knowledge and know-how. Moreover, our employees still take great pride in their craftsmanship when fashioning our products – in spite of the fact that the products are now designed and manufactured by means of computerised technology.



## TON AFTER TON

Unproblematic operation, long service life and high efficiency, when conveying material. Inform us about your requirements, and let us find the most suitable solution for you



*Discharge screw conveyor for concrete silo*



*Silo discharge screw conveyor*



*Complete screw conveyor for grit chamber at wastewater treatment plant*



*Typical drive unit for screw conveyor*



Screw flights, ready for dispatch



Ø 800 mm screw conveyor with bolted shaft



Double shaft screw conveyor for conveyance of powder

## INFORM US ABOUT YOUR REQUESTS AND SPECIFICATIONS

We are an order producing company and consequently, we are able to adapt our products to the need of the individual customer. The customer's involvement differs from case to case: Some customers provide precise specifications, and we produce the product according to these. Other customers contact us with abstract ideas; in such cases we develop the optimum product solution in co-operation with the customer. If the customer suggests solutions, which we have not produced before; we are always pleased to invent new solutions.

### SCREW FLIGHTS

We manufacture flights in almost any size. Our well-stocked warehouse enables us to produce and deliver at short notice. The flights are produced in diameters from Ø 30 mm to Ø 2000 mm and thicknesses from 1 mm to 40 mm (and even thicker, if requested). The flights are available in black steel, stainless steel, acid- and heat-resistant steel as well as different types of wear-resistant steel.

### SEPARATE SCREW CONVEYORS

We offer a diverse range of separate screw conveyors, which meets all the functionalities requested by the customers.

### SHAFTLESS SCREW CONVEYORS

We have specialized in production of shaftless screw conveyors. The shaftless screw conveyor provides high capacity and permits conveyance of difficult material, for instance, sticky material. This type of conveyor is used in e.g. cleaning plants.

### COMPLETE SCREW CONVEYORS

Our complete conveyance solutions are used in a number of different industries. They are available with special equipment; customised for the specific application. Our complete screw conveyors are supplied with e.g. silos, hoppers or cell sluices.

### WE CREATE SOLUTIONS IN CO-OPERATION WITH:

- Production companies
- The iron industry
- Machine manufacturers
- Engineering companies
- End-users

**FOR MORE INFORMATION ON OUR COMPLETE RANGE**

...of screw flights and screw conveyors, please refer to:

**[www.ap-maskinfabrik.dk](http://www.ap-maskinfabrik.dk)**





*Double shaft screw conveyor in U-trough*



*Trough screw for the concrete industry*



*Screw flights*



## WIDE FIELD OF APPLICATIONS FOR OUR AUGERS



Ø 800 mm earth auger



Drilling of foundation holes



Drilling of holes for safety fence

- FOUNDATION/PILE DRIVING
- CONTRACTING PROJECTS
- WELL DRILLING
- HORIZONTAL DRILLING
- GEOTECHNICAL EXAMINATIONS
- ENVIRONMENTAL ASSESSMENTS
- SOIL TESTING

## HIGH-QUALITY VARIATIONS

Large augers – small augers - different design for different purposes. Anders Pedersen Maskin- & Specialfabrik A/S develops and manufactures all kinds of augers. Since the 1960's, we have developed and produced numerous earth augers – always bearing in mind that each auger is to have the best possible durability and drilling capacity. This results in work and cost efficiency.

### WE CALL IT STANDARD, HOWEVER...

.. we always discuss the specific application with our customers. Different types of subsoils and different applications pose different requirements as to the shape and equipping of the auger. This procedure ensures that you always obtain the best product solution.

### CUSTOMISED PRODUCTS

Let us help you if you have a drilling task, involving special conditions. Based on our extensive experience and know-how, we will create the very best solution for you.

### INTEGRATED FLEXIBILITY

As a supplement to our range of augers, we offer a comprehensive range of standard and special couplings. As a result, our augers are adaptable to any coupling system, thus providing high flexibility.

### REFURBISHMENT

Even the strongest auger may be damaged or worn, and therefore in need of repair or refurbishment. We offer repair and refurbishment services.

### DIVERSE RANGE

Our range includes augers from Ø 50 mm to Ø 2000 mm. They are supplied with different spikes and blades – depending on the nature of the application. Blades and spikes are, of course, replaceable. Please refer to the next page for wear and spare parts.

## SHORT DELIVERY TIME

We stock all types of wear and spare parts; this enables us to offer short delivery times.

## WEAR AND SPARE PARTS

### SPIKES



*Auger with fishtail spike*

### SPIKES



*Twisted spikes type SS*

### SPIKES



*Conical spikes type SPK and SKG*

### COUPLINGS



*Multiple nut coupling*

### COUPLINGS



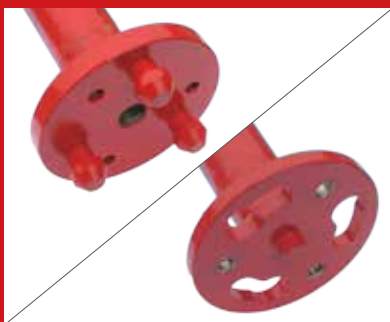
*Coupling, male/female*

### COUPLINGS



*Hexagon coupling, male/female*

### COUPLINGS



*Flange coupling, male/female*

### BLADES



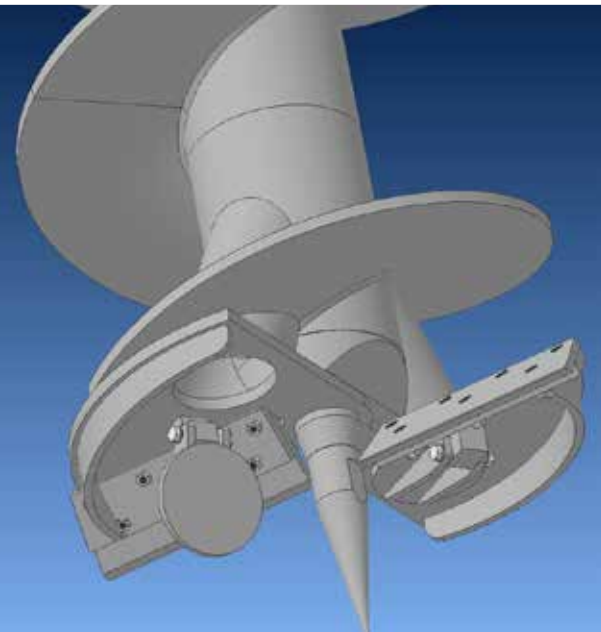
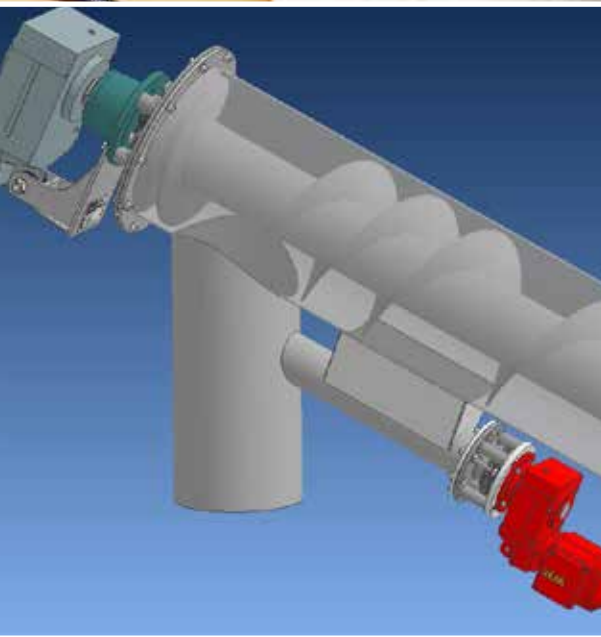
*Wear-resistant steel blades for earth augers*

### BASE PLATES



*Base plates with welded blade*

## CAD-BASED DESIGN



## EFFICIENT MANUFACTURING EQUIPMENT

Automated working processes and a skilled workforce provide products with high efficiency.

## OUR CUSTOMERS HAVE A CHOICE

Do you require shot blasting of the product before delivery? Treatment with primer? Special colour requirements? Do you need the product to be pickled, glass blasted or polished? We offer a number of different options, allowing you to choose the most suitable solution.

## QUALITY CHECK BEFORE DELIVERY

All products are tested carefully, before delivery. All screw conveyors are, for instance, mounted on a test bench after welding in order to eliminate deformations caused by welding.

## DOCUMENTATION

When delivering equipment and machinery, the customer receives the construction drawings, if requested. When delivering machines, e.g. complete screw conveyors, we take care of CE-marking.

## CLOSE CO-OPERATION

Combining experience and know-how with the latest technology within construction and design enables us to implement almost any idea, and in addition, this results in high-quality products. In the development and construction phase, we often work closely with the customer and determine the final product solution in dynamic collaboration.



## QUALITY CRAFTSMANSHIP

Design and manufacturing have been digitalised, however, quality craftsmanship continues to ensure the high quality in our production





## COST-EFFICIENCY

Automated production processes  
contribute to precision and efficiency  
– and strengthen our position as a  
competitive supplier





## WE MEET YOUR REQUIREMENTS AS A SUB-SUPPLIER!

Based on our extensive manufacturing equipment, we offer a number of services, for instance:

### ■ PRECISION PLASMA CUTTING:

Black and stainless steel qualities  
Material thicknesses up to 40 mm  
Max. size of material: 3 x 9 m

### ■ FLAME CUTTING:

Black steel qualities  
Material thicknesses up to 150 mm  
Max. size of material: 3 x 9 m

### ■ SHOT BLASTING OF STEEL:

Max. size of material: 800 x 480 mm or  
1300 x 160 mm

### ■ CNC-MACHINING

### ■ WELDING:

Electrode or TIG-welding  
MIG/MAG-welding

### ■ ANNEALING OF STEEL TO REMOVE TENSION:

Annealing of steel in gas oven

## ONE OR SEVERAL PROCESSES?

Let us handle one process or combine different processes – e.g. cutting, CNC-machining. It makes sense and cuts costs.

## CONTACT US

Please contact us, if you have any inquiries. We look forward to sending you our prompt reply and competitive offer.

## PROMPT REPLY TO YOUR INQUIRIES



*Shot blasting*



*Profile bending*



*CNC-machining*



*Precision plasma cutting*

Adaptability and flexibility in all stages; as a sub-supplier we meet all requirements and we are pleased to offer you efficient co-operation

# INNOVATION AND DEVELOPMENT

Anders Pedersen Maskin- & Specialfabrik A/S was established by Anders Pedersen as the village smithy back in 1938. At the beginning, the work of the company mainly consisted in plumbing and repairs of agricultural machines like beet cutters. Later on, the range of products was extended to include potato boilers. Today, the company primarily manufactures screw conveyors and earth augers as well as parts for these. In addition, various sub-contractor services are provided.

The company supplies end-users and manufacturers in Denmark and abroad with high-quality products. Approx. 35 % of the production is exported. Anders Pedersen Maskin- & Specialfabrik A/S is a 100 % order producing company known for short lead times, high flexibility and adaptability. Anders Pedersen Maskin- & Specialfabrik A/S is a reliable partner, supplying advanced product solutions based on continuous innovation.



**ANDERS PEDERSEN**  
**MASKIN- & SPECIALFABRIK**

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