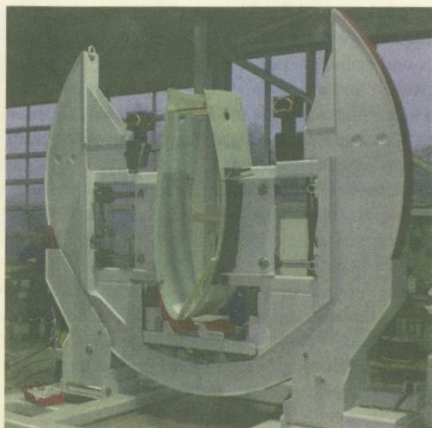


We move rotor blades

Wind energy is one of today's prime topics. Better and bigger wind power plants are erected on land and off shore. The height and weight of rotor blades for these plants is increasing simultaneously and requires new rotor blade transport systems. Likewise, these systems have become necessary to guarantee that rotor blades arrive safely at their destination. HAWART Sondermaschinenbau GmbH is among the few companies in the mechanical engineering market to provide suitable solutions here.



Die Drehvorrichtung für Rotorblattformen ist zum Standard geworden//
The turning system for rotor blade forms has become standard

HAWART started in 1987, trading in tool machinery, engines and construction machinery. However, from the mid-1990s on, the production and assembly division has been expanded considerably.

The development of passenger shelters for bus and train transport became the first milestone in the development of new product groups. "Since 1997, we have equipped more than 30 train stations operated by Düsseldorf Rheinbahn with our shelters," says Managing Director Dipl.-Ing. Willy B. Körner. Nevertheless, the shelters are only one facet of

the company's portfolio. The clear focus is on turning systems and rotating devices, which move large rotor blades. "Normal cranes are hardly able to cope with these dimensions," points out Mr. Körner. "Our systems are tailor-made to fit each form. We supply all the large manufacturers of rotor blades and have already delivered about 60 systems."

In 2008, HAWART introduced the first automated turning system to the market, which has now become standard.

Another focus is on transport systems for rotor blades, which

have been developed by HAWART since 2000. "Our transport systems are even certified to sea transport standards," stresses Mr. Körner. "We have established a unique technique which allows for horizontal rotor blade transport by land, while for sea transport the rotor blades can be positioned three stacks high to save space on board."

To Date, HAWART has sold more than 2,500 rotor blade transport systems in various sizes worldwide. "For the offshore market, we have designed a special transport system, which simultaneously can be used for lifting,"

states Mr. Körner. In particular the offshore market is gaining momentum and new wind parks are being set up – even in the North Sea and the Baltic Sea.

A novelty from HAWART is just about to hit the market: a grinding machine for large spaces which automates the grinding of rotor blade surfaces.

"Our products are in high demand worldwide. We are going to grow continuously and introduce new products," says Mr. Körner.

Products for the wind power segment account for the majority of the company's activities; however,

due to its broad product range, HAWART is well positioned to succeed in the future.

HAWART
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