

Enhanced Power, Safety and Reliability – Motors and Generators by Weier



Weier Antriebe und Energietechnik GmbH

„Motors and Generators for challenging Applications“



Managing Directors: Michael Mieling, Dr. Dirk Burhorn

Company

Since more than 70 years Weier is developing, designing and producing highly efficient electrical Motors and Generators. Our worldwide customers trust in the reliability and safety of our products. At 1st March 2016 Jianxi Special Electric Motors Co., Ltd acquired shares in Weier.

Quality

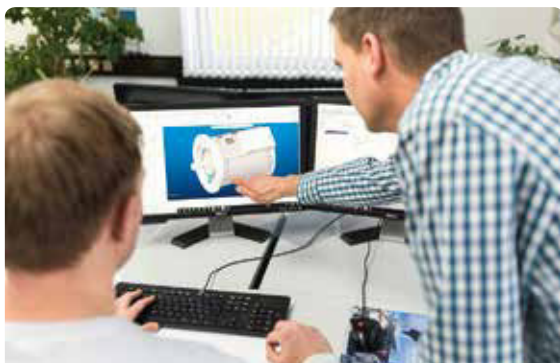
For Weier Products quality is of utmost importance to us.

Your idea will be developed very fast to a prototype. Consequently serial production may start. Hence Weier is ready for contributing towards minimum TTM.

Certified according to ISO 9001 : 2015



Metering a 3-phase Motor



Construction of a Water-Cooled Motor

Technical Design

By experience and highly sophisticated know how Weier is able to reach the limits of what is feasible. For the utmost unusual tasks we work out the technically and economically perfect solution for our customers.

Whether in the deepest areas of our oceans or at ultra high voltage levels:



**Yes, Weier
can!**

Weier – Connecting by Values



CNC cutting machines, serial- and single production

Electrical Production

Having build more than 10.000 different prototypes Weier has a hudge fund of experience

- 3 Phase: 0,5 kW to 1,0 MW
- DC: 0,2 kW to 250 kW
- PM-Motors: 0,5 kW to 160 kW



Power Testing of a 3 Phase motor

Mechanical Production

Our Production is using conventional and CNC machines.

Turning range:

Ø 1200 mm Peak Width = 2600 mm

Cutting range:

X = 3500 mm Y = 900 mm Z = 1000 mm

Grinding:

Ø 800 mm Length = 3000 mm Weight = 3,0 t

Welding:

Mag Welding and Induction Brazing



Coiling Department / Stator

Test Laboratory

The test laboratory is responsible for the final quality check of our products before delivery. Dynamic tests on prototypes and serial products are conducted. Synchron Generators, parallel in a grid or in isolated operation

- Water cooled Machines
- Vibration measurement
- Sound measurement



**Flexible by
Vertical
Integration**

Our Business Units



Maritime Technology

Shipbuilding is among the oldest BUs at Weier. Since our founding in 1945 we are delivering specialized Machines meeting extremely high requirements.

- » Navy Ships
- » Research Ships
- » Submarines
- » Yachts



Clean Energy

Weier Motors and Generators proving very high electrical and thermal efficiencies.

- » Wind Energy
- » Water Energy
- » CHPs
- » Tide Energy

Power Range:
8 kW to 1 MW



Machine Manufacturing

Regarding specialised Machines Weier could gain decades of experience. **Special Solutions for Motors and Generators:**

- » Servo Motors
- » Railway Technology
- » Construction Industry
- » Vibration- and Roller Table Motors
- » Machines for Amusement Parks
- » Machine Tools



Moving Stairs

Premium IE3 Motors for Escalator and Moving Walkway Applications:

- » Efficiency Class IE3
- » Minimum Sound Emission
- » Minimum Vibrations
- » Solid Design



Generators for Clean Energy

CHPs

Weier Generators prove especially high electrical and thermal efficiencies. As well mechanically we are working out together optimized and tailor-made solutions. Requirements regarding high temperature values, continuous load, regulating of Voltage and the power factor are considered.

Power Range: 4 kW to 360 kW

Wind Energy

Weier by its first Generators is among the pioneers of Wind Energy in Europe.

- » Pitch and Yaw Motors
- » Repairs

Especially high efficiencies, reliability and long life are characterizing products made and designed by Weier. Together with us you find the optimized and most cost efficient solution.

Water Energy

Solid, energy efficient and long living Generators of Weier reach a reliable and minimum interrupted Power Supply. Coupled to the grid or standalone solutions.

- » Power Range: 100 kW to 1,0 MW



Scope of Supply

» <i>PM-Synchronous Generators</i>	<i>0,5 – 25 kW</i>
» <i>PM-Synchronous Motors</i>	<i>0 – 160 kW</i>
» <i>Induktion-Synchronous-Generators</i>	<i>0 – 250 kW</i>
» <i>Asynchronous-Generators</i>	<i>5 – 1000 kW</i>
» <i>Asynchronous-Motors</i>	<i>0 – 250 kW</i>
» <i>DC Motors</i>	<i>0 – 100 kW</i>
» <i>Rotating Converters</i>	<i>0 – 45 kW</i>



Weier – Your Partner for Special Solutions.



**Maritime
Technology**



Clean Energy



**Machine
Manufacturing**



Moving Stairs

Please contact us, we are looking forward hearing from you!

Contact

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