

**DESIGNED AND MADE  
IN GERMANY**

**BREUER**

**THE DRIVE SOLUTIONS PROVIDER**

**FAR MORE THAN JUST A MOTOR COMPANY**

**BREUER ) MOTOREN**





# BREUER MOTORS:

Providers of drive solutions around the world.

Breuer, founded in 1877, enjoys an excellent reputation for the design and manufacture of specialist drive and motor solutions to meet the needs of the most demanding industries. Having its roots firmly set in the mining arena, Breuer have pushed the limits of design, manufacture and innovation to provide the mining industry with reliable, state of the art technologies with products that are in constant use throughout the world.

More recently, Breuer has expanded its horizons and is now a well-known and established provider of equivalent solutions to the Oil, Gas and Petrochemical industries.

Fully embracing variable speed technology in the 1990's and subsequently expanding its engineering capabilities, Breuer developed the unique ecoVert VFM variable frequency motors range of products along with its ecoVert VFD cabinet converter range.

This combination of expertise in motor design and our in-depth VFD knowledge gives all our customers the confidence that Breuer will deliver total drive solutions which will meet their exacting needs.

Our main product areas:



ecoVert VFM



ecoVert VFD



Mining motors



Top drive motors



Mud pump motors



Cabinet converters

# BREUER MOTORS:

Far more than just a motor company

Breuer solutions can be found in many applications around the world and in many different industries. Primarily in use in underground coal mining, the ecoVert VFM variable frequency motor range provides an intelligent drive system for AFCs, stage loaders, belt conveyors, pumps and fans etc.

Our ecoVert VFDs also power many of the world's traction systems in shearers, shuttle cars and continuous miners.

In the industrial world, Breuer motors and drives can be found on oil platforms, gas drilling rigs, rail and special purpose vehicles.

What these applications have in common is the need for high reliability coupled with conformity to national and international standards. Breuer drive solutions are designed to meet all of these requirements and much more.

Utilizing our resident motor design engineers, Breuer regularly design both air and liquid cooled motors with optional shaft cooling for all application. Our cooling circuits are bronze coated to provide enhanced corrosion protection.

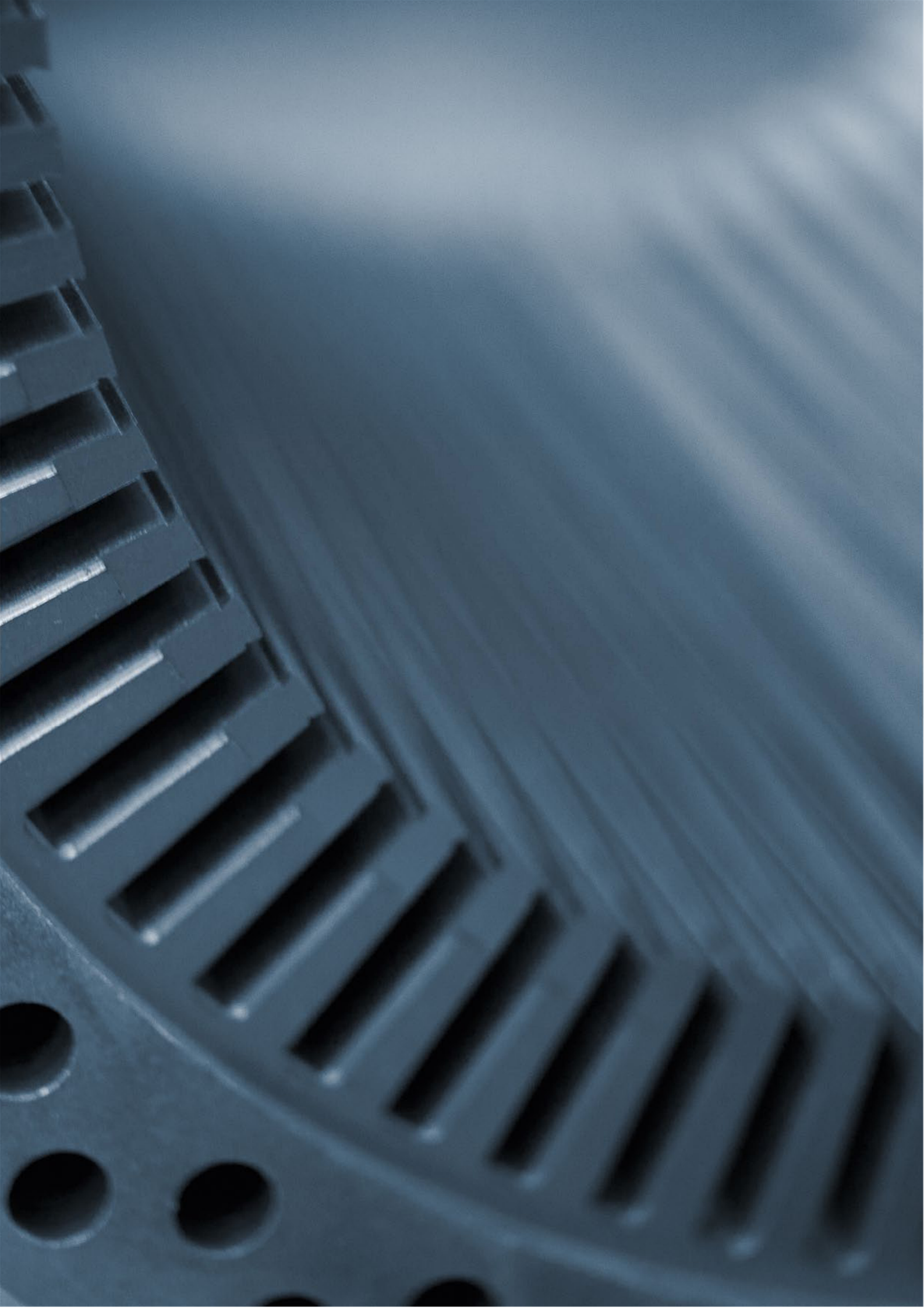
With our VFD knowledge, we purpose design our drives to be either integrated with the motor or free-standing.

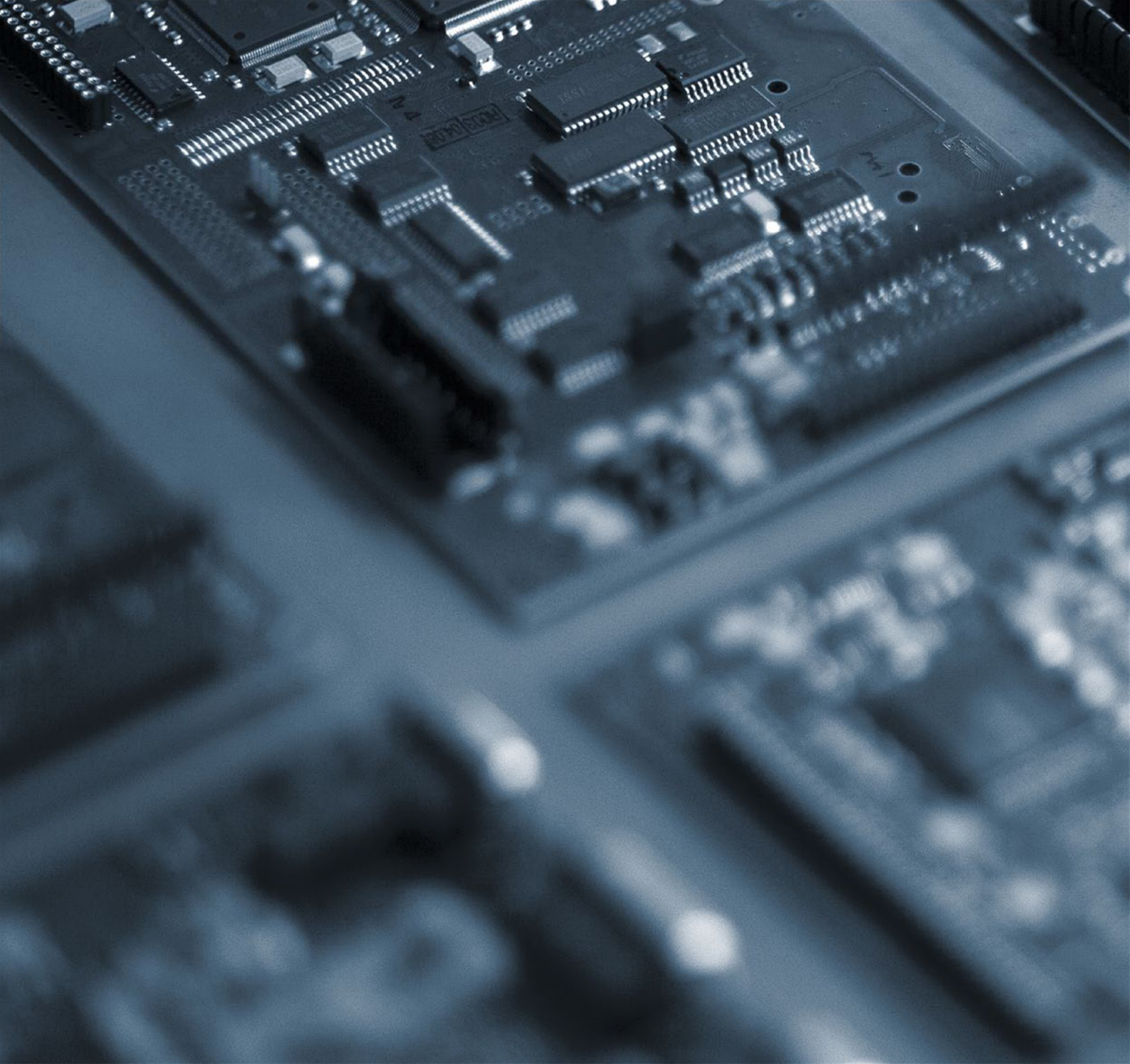
Our software engineers provide customer specific solutions to ensure total functionality both in the control of and the management information available from the drive.

Based in Bochum, northern Germany, our factory is equipped with state-of-the-art production facilities which enable total in-house production of both drives and motors.





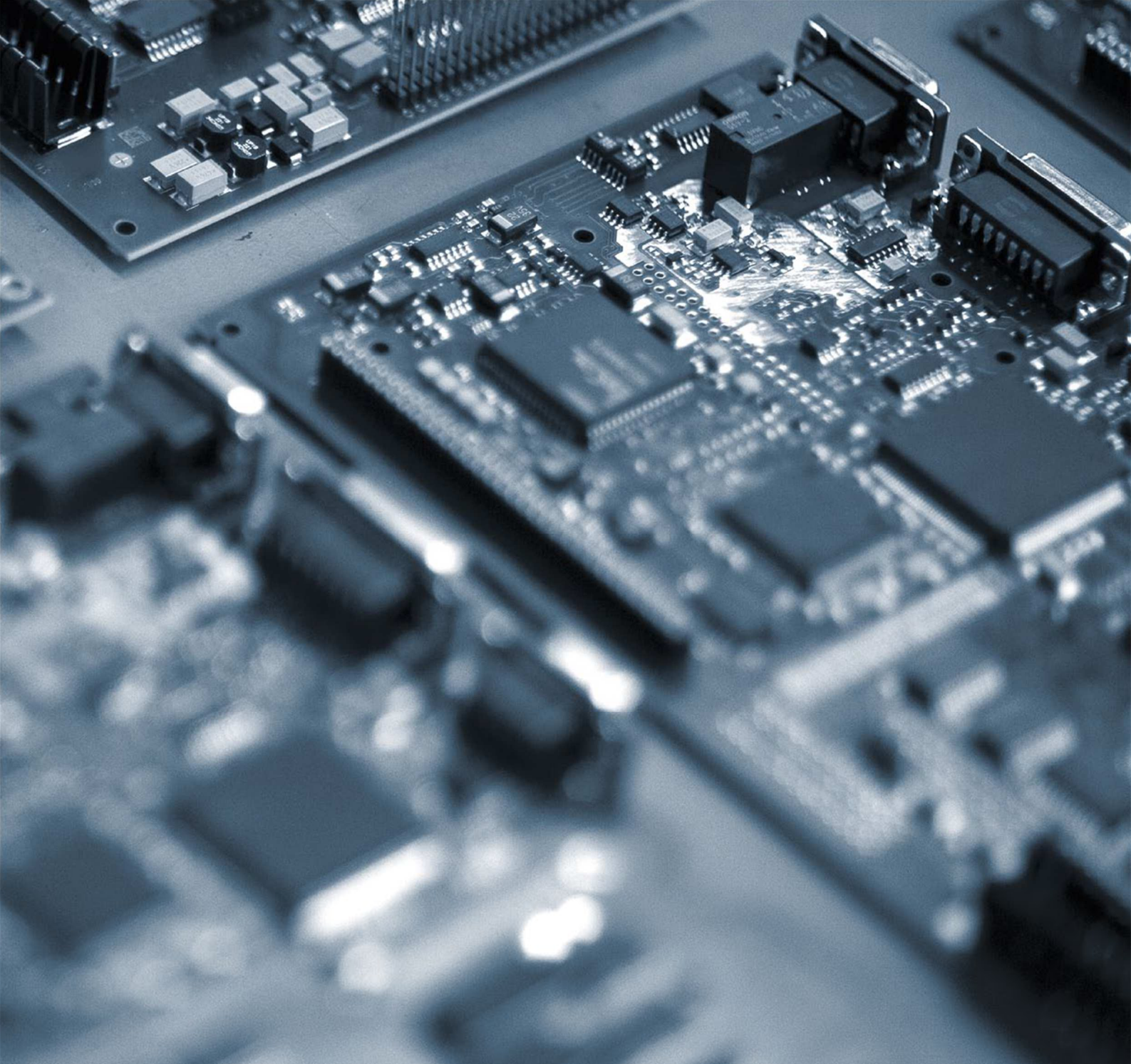




**BREUER DRIVES:**

the ultimate in precision engineering





Breuer ecoVert drives employ the very latest variable frequency control techniques and are manufactured with extreme precision.

Whether driving a rail vehicle, tunneling machine, straddle carrier or shuttle car, we design and develop the entire drive solution in partnership with our customers.

Tasks such as motor configuration, adaptation to suit specific electrical network properties and strict compliance with international standards are regularly undertaken by our team.

The result – connection ready units for single or multi-motor drives in a wide variety of applications and industries.

**BREUER ADAPT ANY DESIGN TO SUIT OUR CUSTOMER'S  
SPECIFIC APPLICATION**





## **BREUER ecoVert VFM**

### **Variable frequency motors**

enhancing your production capabilities.

VFD-motors have been available at low voltage, low power in general industry for several years. When compared to a motor and free-standing drive the advantages are clearly quite significant.

Breuer extended this thinking at the end of the last century and has been producing solutions for high voltage, high power since 1999.

The Breuer ecoVert VFM family now covers voltages up to 4160V with a power range up to 1600kW.

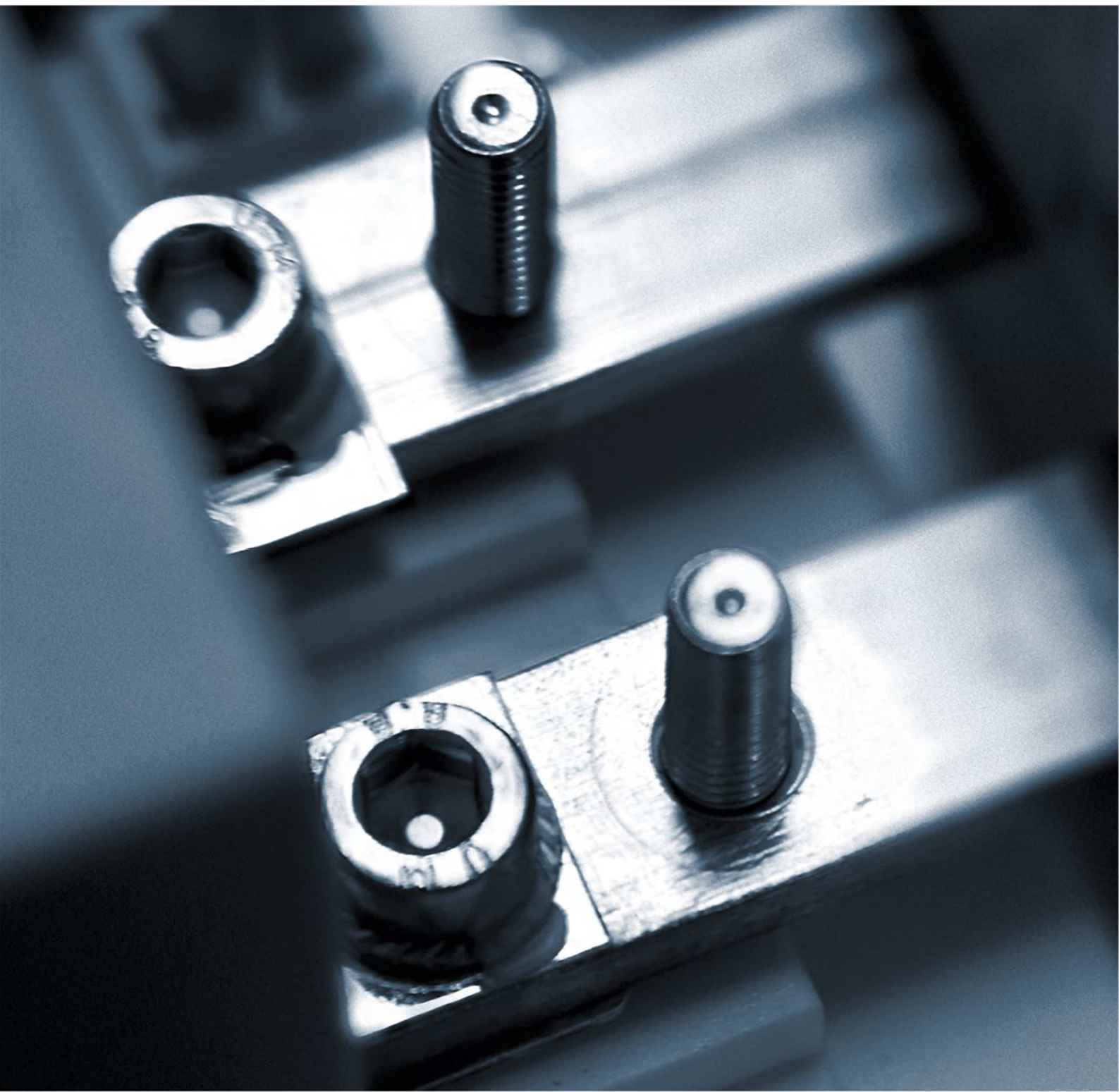
In its explosion proof Ex-d form designed specifically for the mining industry, the ecoVert VFM is in operation on many of the world's highest producing coal faces. Its operation at 4160V, 3300V and 1140V make the ecoVert the ideal solution for the USA and also for the rest of the mining world.

Benefits of the Breuer ecoVert VFM include: total process control; outstanding torque-speed performance; energy saving potential and considerable reduction in system mechanical wear.



## **BREUER CUSTOM DESIGNS:**

Solutions for special requirements.





“From little acorns ...”

Many of our key customers have grown with Breuer whilst taking the concept of an idea through to the development of a solution.

Operating in an environment which encourages innovation, our application of variable frequency technology has spanned from driving synchronous and asynchronous motors to electric vehicles and diesel-electric systems.

As a total solutions provider, Breuer are able to offer design expertise, prototype and pre-production build capabilities and well as full functional testing.

Should the idea prove to be successful, we can, of course, satisfy all of your production requirements.



# CONTACT

Should you have any questions or require more detailed information on any of our products or drive solutions then please contact us at any time.



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Breuer is an **ISO9001** accredited company. All products are certified to the relevant national and international standards such as ATEX, IECEx, ANZEx, GOST, MSHA, MA, UL, CSA etc.