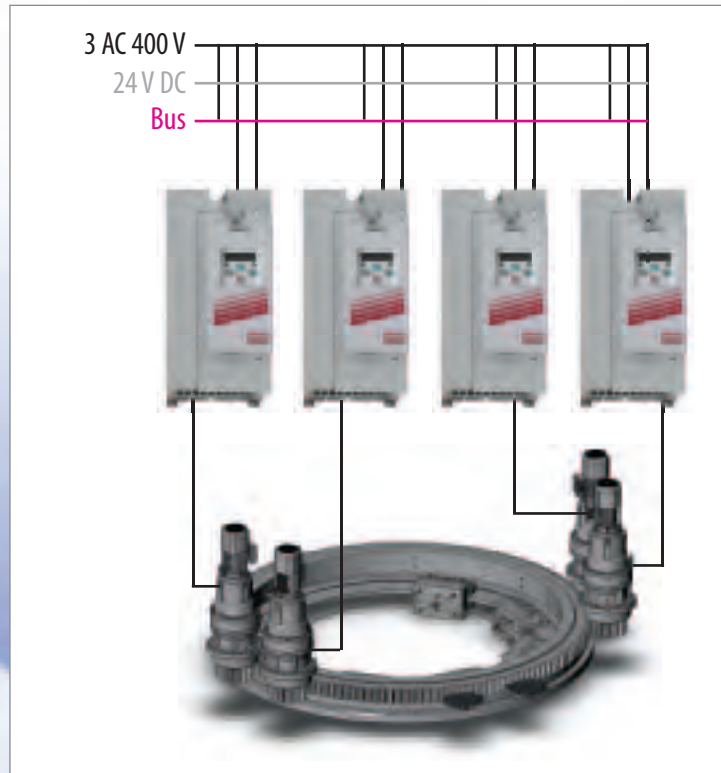


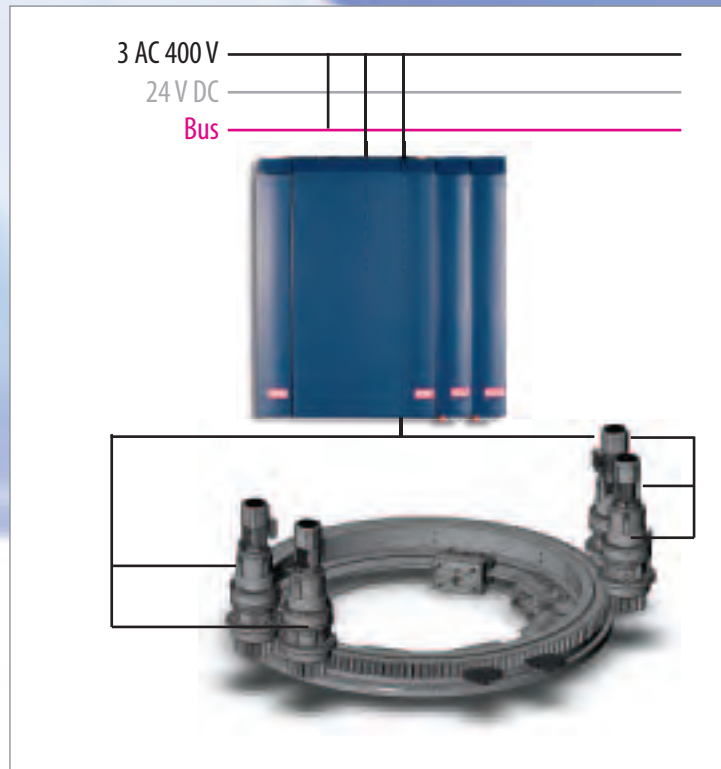
## Hardware Solutions

### Single Axis



- Usage of standard components
- Simple and user-friendly Handling including multipurpose features
- Open and Closed Loop mode
- either AC or DC connection
- Safety in drive systems
- Encoder systems flexibly supported
- Modular heatsink system
- Diagnostic and Monitoring via Universal PC Software
- Wide range of various Bus communications

### Multi Axis



- Usage of standard components
- Space saving design with standardized connection technology
- Integrated 24VDC Supply
- Innovative cooling solutions
- Integrated two-level safety systems
- AFE Regenerative Solutions
- Active DC.bus capacitor cooling
- Standardized programming tools with diagnostics
- Wide range of various Bus communications

## Headquarters

Karl E. Brinkmann GmbH  
Försterweg 36 - 38  
D-32683 Barntrup  
Internet: [www.keb.de](http://www.keb.de)

Tel.: + 49 (0) 5263 401-0  
Fax: + 49 (0) 5263 401-116  
E-mail: [info@keb.de](mailto:info@keb.de)

### COMPANIES

**AUSTRIA**  
KEB Antriebstechnik  
Austria GmbH  
Ritzstraße 8  
A - 4614 Marchtrenk  
Tel: +43 7243 53586-0  
Fax: +43 7243 53586-21  
E-mail: [info@keb.at](mailto:info@keb.at)  
Internet: [www.keb.at](http://www.keb.at)

**FRANCE**  
Société Française KEB  
Z.I. de la Croix St. Nicolas  
14, rue Gustave Eiffel  
F - 94510 LA QUEUE EN BRIE  
Tel: +33 149620101  
Fax: +33 145767495  
E-mail: [info@keb.fr](mailto:info@keb.fr)  
Internet: [www.keb.fr](http://www.keb.fr)

**JAPAN**  
KEB - Japan Ltd.  
15 - 16, 2 - Chome  
Takanawa Minato-ku  
J - Tokyo 108 - 0074  
Tel: +81 33 445-8515  
Fax: +81 33 445-8215  
E-mail: [info@keb.jp](mailto:info@keb.jp)  
Internet: [www.keb.jp](http://www.keb.jp)

**CHINA**  
KEB Power Transmission  
Technology (Shanghai) Co. Ltd.  
No. 435 QianPu Road  
Songjiang East Industrial Zone  
CN-201611 Shanghai, PR. China  
Tel: +86 21 37746688  
Fax: +86 21 37746600  
E-mail: [info@keb.cn](mailto:info@keb.cn)  
Internet: [www.keb.cn](http://www.keb.cn)

**GREAT BRITAIN**  
KEB (UK) Ltd.  
6 Chieftain Business Park,  
Morris Close  
Park Farm, Wellingborough  
GB - Northants, NN8 6 XF  
Tel: +44 1933 402220  
Fax: +44 1933 400724  
E-mail: [info@keb-uk.co.uk](mailto:info@keb-uk.co.uk)  
Internet: [www.keb-uk.co.uk](http://www.keb-uk.co.uk)

**RUSSIA**  
KEB CIS ZAO  
Lesnaya str, house 30  
Dzerzhinsky (MO)  
RUS - 140091 Moscow region  
Tel: +7 495 6320217  
Fax: +7 495 6320217  
E-Mail: [info@keb.ru](mailto:info@keb.ru)  
Internet: [www.keb.ru](http://www.keb.ru)

**GERMANY**  
KEB Antriebstechnik GmbH  
Wildbacher Straße 5  
D-08289 Schneeberg  
Tel: +49 3772 67-0  
Fax: +49 3772 67-281  
E-mail: [info@keb-drive.de](mailto:info@keb-drive.de)

**ITALY**  
KEB Italia S.r.l. Unipersonale  
Via Newton, 2  
I - 20019 Settimo Milanese (Milano)  
Tel: +39 02 3353531  
Fax: +39 02 33500790  
E-mail: [info@keb.it](mailto:info@keb.it)  
Internet: [www.keb.it](http://www.keb.it)

**USA**  
KEB America, Inc  
5100 Valley Industrial Blvd. South  
USA - Shakopee, MN 55379  
Tel: +1 952 2241400  
Fax: +1 952 2241499  
E-mail: [info@kebameric.com](mailto:info@kebameric.com)  
Internet: [www.kebameric.com](http://www.kebameric.com)

Representative offices in Belgium • Brazil • Korea • Sweden • Spain

Further partners for ...

Australia • Belgium • Brazil • Bulgaria • Czech Republic • Denmark • Egypt • Greece • Hungary • India • Indonesia • Iran • Israel • Malaysia • Morocco • Netherlands • New Zealand • Pakistan • Poland • Portugal • Romania • Singapore • Slovakia • South Africa • Spain • Sweden • Switzerland • Taiwan • Thailand • Tunisia • Turkey • Uzbekistan

... under [www.keb.de/en/contact/keb-worldwide.html](http://www.keb.de/en/contact/keb-worldwide.html)



# Application

MADE  
IN  
GERMANY



## Yaw and CMS solution





Sensor Management

Condition Monitoring

Remote Control

Un-Twisting

Auto-Tracking

Brake Control

System Simulation

Maintenance Management

Customized Solutions

Lifetime Management

Load Sharing



Prevention of component breakdown,  
Maintenance Cost Reduction, Improvement of Availabilities...

- Wind Power Control Libraries
- Pre-Programmed IEC 61131 Function Blocks
- Condition Monitoring
- Blocked Gearbox break Function
- Manual Control Mode Function
- Emergency Operations
- UPS System
- Data Logger
  - Long Term recording
  - Live Scaling
- Real time Failure History
- Alarm reporting by E-Mail / SMS
- Service Management
- User Management
- Customized Solution possible

```

KEB_CableTwistCheck
ActPosition      AbsolutePosition
DemandPosition  AbsoluteDemandPosition
Modulo          SoftLimitActive
SoftLimitPos    HardLimitActive
HardLimitPos    UntwistDirection
SoftLimitRev    RevCnt
HardLimitRev
Hysteresis
    
```



KEB - your solution partner