

# CALIBRATION

/ Quality assurance to EN 50504 straight from the manufacturer

/ For Fronius, the customer's production quality has top priority. To ensure this level of quality is retained in the long term for power sources, regular calibration is necessary. For welding technology companies it is particularly important that devices deliver equivalent and consistent welding results throughout their entire service life. Fronius therefore recommends calibration on an annual basis as a minimum. This is mandatory for companies certified to EN 1090 and must also be documented accordingly.

## ADVANTAGES

### / Expected quality standards are maintained

Regular calibration of power sources is essential in the regulated welding technology sector where special quality standards are in force. A calibration certificate and inspection report provide evidence of compliance with mandatory documentation requirements.

### / Reproducibility

Once the correct parameters for a weld seam have been determined, it is important to be able to reproduce them again and again. Annual calibration enables identical welding results to be achieved from one weld seam to the next.

### / Transferability

It is only possible to transfer specified welding parameters to different power sources if all power sources are calibrated in the same way and they deliver the same results with the same settings.

### / Calibration to EN 50504

European standard EN 50504 specifies the validation procedure for arc welding equipment and all manufacturers certified to EN 1090 (standard for the execution of steel and aluminium structures) must comply with it.



*/ Fronius engineers go to the customer's premises to calibrate their devices.*

## RANGE OF SERVICES

- / Detailed system check
  - / Voltage, amperage and wire feed speed measured
  - / Results analysed for adherence to tolerances
  
- / Observance of
  - / Quality assurance standards
  - / Product Liability Act
  - / EN 50504 (validation of arc welding equipment)
  
- / Calibration certificate and test record issued, including measured values
  
- / Calibration sticker affixed on completion of calibration

## CALIBRATING THIRD-PARTY DEVICES

- / Fronius engineers are also happy to calibrate welding systems made by other manufacturers on request.



/ Calibration certificate and calibration sticker

/ Perfect Welding / Solar Energy / Perfect Charging

### WE HAVE THREE DIVISIONS AND ONE PASSION: SHIFTING THE LIMITS OF POSSIBILITY.

/ Whether welding technology, photovoltaics or battery charging technology – our goal is clearly defined: to be the innovation leader. With around 3,000 employees worldwide, we shift the limits of what's possible - our record of over 1,000 granted patents is testimony to this. While others progress step by step, we innovate in leaps and bounds. Just as we've always done. The responsible use of our resources forms the basis of our corporate policy.

Further information about all Fronius products and our global sales partners and representatives can be found at [www.fronius.com](http://www.fronius.com)

v04 Nov 2014 EN

**Fronius Canada Ltd.**  
2875 Argentia Road, Units 4,5 & 6  
Mississauga, ON L5N 8G6  
Canada  
Telephone +1 905 288-2100  
Fax +1 905 288-2101  
[sales.canada@fronius.com](mailto:sales.canada@fronius.com)  
[www.fronius.ca](http://www.fronius.ca)

**Fronius USA LLC**  
6797 Fronius Drive  
Portage, IN 46368  
USA  
Telephone +1 877 FRONIUS  
[sales.usa@fronius.com](mailto:sales.usa@fronius.com)  
[www.fronius-usa.com](http://www.fronius-usa.com)

**Fronius UK Limited**  
Maidstone Road, Kingston  
Milton Keynes, MK10 0BD  
United Kingdom  
Telephone +44 1908 512 300  
Fax +44 1908 512 329  
[info-uk@fronius.com](mailto:info-uk@fronius.com)  
[www.fronius.co.uk](http://www.fronius.co.uk)

**Fronius International GmbH**  
Froniusplatz 1  
4600 Wels  
Austria  
Telephone +43 7242 241-0  
Fax +43 7242 241-953940  
[sales@fronius.com](mailto:sales@fronius.com)  
[www.fronius.com](http://www.fronius.com)