

CALIPRI

RCX

**RESULTS TAKING
CENTER STAGE**



CALIPRI RCX

HIGH-PRECISION GAUGE FOR DEVELOPING NEW PROFILE SHAPES – AND
A PORTABLE ALTERNATIVE TO PROFILE MEASUREMENT SYSTEMS

MOBILE USE, FAST RESULTS, ACCURATE DATA



CONTENTS

03
MOBILE USE, FAST
RESULTS, ACCURATE
DATA

06
SCOPE OF
DELIVERY

04
QUICK AND EASY:
MEASURING WITH CALIPRI

07
TECHNICAL
DATA

04
ONE MEASUREMENT
DEVICE – THREE USES

To optimise the rolling process and set the optimum rolling parameters, roll pass designers have always had to adopt inaccurate and time-consuming processes – until now! CALIPRI delivers reliable measured data between passes and on profiles that are still hot in a way that is both efficient and accurate.

CALIPRI RCX

QUICK AND EASY: MEASURING WITH CALIPRI

CALIPRI IS A CONTACTLESS MOBILE PROFILE MEASUREMENT DEVICE THAT BOTH CONSIDERABLY SPEEDS UP AND SIMPLIFIES WORK PROCESSES IN THE STEEL MILL.

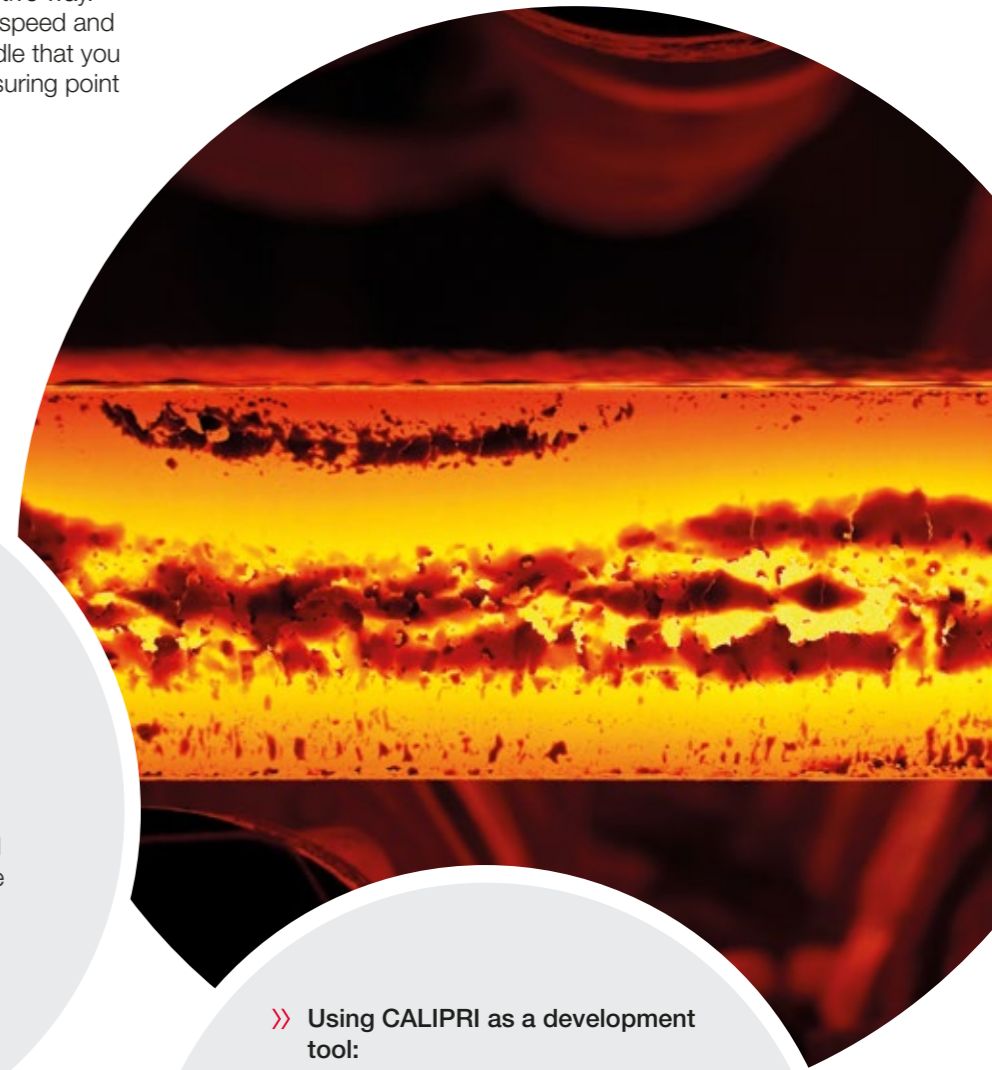
You can place the device at any point in the rolling mill, either manually or using an automated system. The C-frame of the housing allows CALIPRI to be used while rolling is under way.

Start the measurement operation at the touch of a button – the sensor will move around the rolled material. This allows profile sections to be captured from all directions, which are then combined to form an overall profile. Following the measurement, which takes less than 20 seconds, the device can be removed from the line again.



DIRECT TARGET/ ACTUAL COMPARISON

The measurement result is shown immediately on the tablet PC supplied; any deviations from the target values are highlighted in colour and can be analysed in an easy and intuitive way. An additional advantage in terms of speed and flexibility: CALIPRI is so easy to handle that you can move the device from one measuring point to another.



One measurement device – three uses.



» **Using CALIPRI to configure the rolling stand:**

At the start of production, the rolling stand must be set up correctly for every profile. A complex, time-consuming process – until now. CALIPRI shortens this step considerably while delivering even more accurate measurement results.

CALIPRI allows you to take measurements quickly and easily on the hot long material between the rolling stands. This saves you a considerable amount of time and money.

» **Using CALIPRI for random sample measurement:**

The measurement device can be taken from one rolling mill to the next with ease. This represents a key cost advantage, as you only need to use one portable measurement device instead of several permanently installed and expensive systems. It couldn't be simpler: Position the measurement device, take the measurement and benefit from all the advantages of quality control while the production process is in full flow.

» **Using CALIPRI as a development tool:**

The calibration needs to be developed before new rolled products can be made.

With CALIPRI, the key dimensions required for this can now be recorded immediately while the profile is still hot. You no longer need to wait for the sample to cool down. The laborious process of converting cold to hot dimensions is also a thing of the past. This means that you have access to more information and, above all, more accurate results.

SCOPE OF DELIVERY

BASIC EQUIPMENT

- Sensor unit
- Portable computer unit (tablet PC)
- Licensed measurement module: Universal profile
- Licensed evaluation software: CALIPRI Analyzer (tablet PC)
- Second licence for CALIPRI Analyzer (office PC)
- Carrying strap for the tablet PC
- Reference standard, incl. case
- Battery, incl. charger
- Instruction manual
- 3 months support (e-mail, hotline) for free



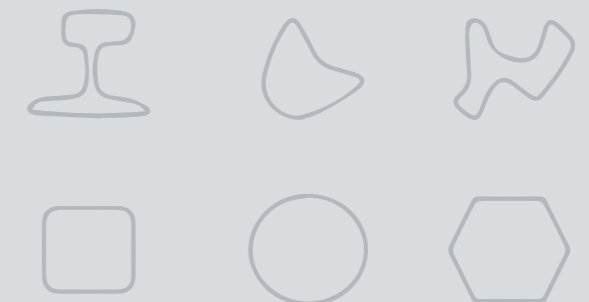
Key specifications

TECHNICAL DATA

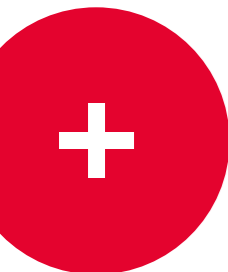
- Max. size of measurement object*:
 - Round objects: appr. Ø 170 mm | 6.7 in
 - Rectangular objects: appr. 120 x 120 / 140 x 95 mm
4.7 x 4.7 in / 5.5 x 3.7 in
- Accuracy: < 0.2 mm | 0.008 in
- Duration of measurement: < 20 seconds
- Designed for cold and hot rolling profiles**
- Cooling system: No cooling water or compressed air required
- Data transmission: WLAN
- Weight: < 10 kg*
- Dimensions: 630 x 710 x 215 mm | 25 x 28 x 8.5 in (WxHxD)*

* Applies to product variant RC220. Larger system available upon request.
** Attention: Keep sensor optics free from water!

HIGHLY SUITABLE PROFILES



Errors may occur when measuring extremely flat profiles, profiles with indentations or sharp-edged profiles. If you are uncertain, please contact our sales employees.



ADD-ONS



Service packages

Choose from various packages to find the best solution for you.



On-site training

Meaning that your employees are always fully trained.



Licences for Analyzer

Making it easy to work from any PC.



Measurement module: RC methods

Predefined evaluation methods for immediate results!



Mounting connections

for automatically positioning your measurement device in the rolling mill.

ARE YOU INTERESTED IN
CALIPRI RCX?
DO YOU NEED ADDITIONAL
INFORMATION?

CONTACT US!

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