Equotip®
Complete Portable Hardness Solution
Revolutionizing Hardness Testing

- Leeb
- Portable Rockwell
- UCI

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Hardness Testing

Incoming inspection

Process control

On-site inspection

Metalworking industry

Heat-treatment and processing shops

Inspection companies
**Spotlight: Portable vs. Stationary**

10 (Portable) resp. 5 (Stationary) hardness measurements on a steel bar

- **Equotip UCI**
  - Preparation: 13 min
  - Testing: 20 min
  - Reporting: 45 min

- **Stationary Vickers**
  - Preparation: 45 min
  - Testing: 45 min
  - Reporting: 45 min

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## Portable Technologies

<table>
<thead>
<tr>
<th>Measure</th>
<th>UCI</th>
<th>Rockwell</th>
</tr>
</thead>
<tbody>
<tr>
<td>HL (Leeb)</td>
<td>HV (Vickers)</td>
<td>HR (Rockwell)</td>
</tr>
</tbody>
</table>

### Convert

### Results
- HR (Rockwell)
- HB (Brinell)
- HV (Vickers)
- HS (Shore)

*New ISO Standard*
Applications

<table>
<thead>
<tr>
<th>Leeb</th>
<th>UCI</th>
<th>Rockwell</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy parts</td>
<td>Welds / HAZ</td>
<td>Small parts</td>
</tr>
</tbody>
</table>

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Industry Pain Points

- Incomplete offering
- Time consuming
- Poor consistency
Equotip Solutions

Equotip Piccolo / Bambino 2  |  Equotip Live  |  Equotip 540  |  Equotip 550

New

Leeb Probes

UCI Probe

Rockwell Probe
Equotip Probes
Leeb: Ultra-versatility

D Standard surfaces

DC DL Inaccessible areas
Leeb: Ultra-versatility

- **G** Cast and forgings
- **C** Smaller parts
- **S** Ultra durable
- **E** Very hard surfaces
Leeb: Accessories

- 12 support rings
- on any shape
- for stable results
UCI: All-in-One Probe

Equotip UCI
ONE probe

Other UCI solutions
Many probes

HV1-10
All UCI applications

HV1 Turbines
HV5 Welds
HV10 Forgings

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UCI: Ideal for Oil & Gas

- Standard compliant
- Minimal surface preparation
- HAZ (weld) visualization
UCI: Smart foot

- Magnetic for maximum stability
- Flat surfaces
- Curved surfaces
Rockwell: Universal

Scratch-sensitive, polished, thin parts
Rockwell: Accessories

- Clamp adapter
- 3 special feet
- for any geometry
Equotip Piccolo / Bambino 2
Integrated

- Leeb D + Leeb DL
- Compact
- Large display
Automation

- Patented trigger
- In-line testing
- Remote control and read-out
Wireless

✅ Leeb D + UCI

✅ Connected

✅ Intuitive
High Connectivity
Best-in-class Design

- Leeb D
- UCI HV1-10

- Ergonomic design
- Multi-color status LEDs
- Standard batteries

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Intuitive

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Hassle-Free Reporting
Customizable Hardness Conversions

“Easy to adapt for special materials (e.g. alloys)”

Christoph Frehner, Product Manager Proceq
Easy Verification

“The performance of the instrument should be verified prior to use on each day…”

ISO 16859-1 Metallic materials – Leeb hardness test
Traceability through Logbook

- All measurements and changes tracked
- Probe and user identification
- Geolocation
- Add comments, audio notes and pictures
Ultimate Portability

“52.8 HRC”
**Web based Reporting Tool**

![Web based Reporting Tool](http://live.proceq.com)

### Data Review

<table>
<thead>
<tr>
<th>Name</th>
<th>Created On</th>
<th>Mean</th>
<th>Material</th>
<th>Scale Unit</th>
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</thead>
<tbody>
<tr>
<td>Steel Cylinder</td>
<td>04.09.2017 09:21</td>
<td>57.2</td>
<td>Steel and cast steel</td>
<td>HRC</td>
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<tr>
<td>Measurements</td>
<td></td>
<td>56.4 HRC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Turbine Shaft</td>
<td>01.09.2017 15:47</td>
<td>57.0</td>
<td>Steel and cast steel</td>
<td>HRC</td>
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<tr>
<td>Engine Block</td>
<td>31.08.2017 09:01</td>
<td>--</td>
<td>Cast aluminium alloys</td>
<td>HB</td>
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<tr>
<td>Alublock 21</td>
<td>18.08.2017 16:41</td>
<td>--</td>
<td>Cast aluminium alloys</td>
<td>HV</td>
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</tbody>
</table>

### Settings

- **Upper**: 68.4
- **Limit**: 56.4
- **Lower**: 20.0
- **Material**: Steel and cast steel
- **Rockwell C**: 58.4
- **Unit**: HRC
Equotip 550
Versatile

- Leeb - UCI - Rockwell
- Touchscreen
- Rugged IP54
Feature-Rich User Interface

Multi-touch features

Personalized Screens
Measurement Wizard

Step-by-step guide
Enhanced Reporting
Proceq Quality and Service
Unmatched Consistency and Durability

Other manufacturers

Equotip Leeb D

Number of Impacts
Replace Discontinued Solutions – Rely on Equotip

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<td>Affected Parts List</td>
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<tr>
<td>Product Support</td>
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<tr>
<td>Specific Recommendations</td>
<td>2</td>
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<td>General Recommendations</td>
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<tr>
<td>Life Cycle Program Overview</td>
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**Status Details**

This notice is to inform you that the MIC10 UCI Hardness Tester and UCI probes will be transitioning to life cycle Phase 3 on October 31st, 2017. This change means we will accept orders for new units through October 31st, 2017. After this time new unit sales will no longer be available.

Due to age of our hardness portfolio and resulting availability of components with changes in technology, it is necessary that we transition the MIC10 and UCI probes to Phase 3 of our Life Cycle program. As an overall strategy of investment in new phased array and conventional product upgrades, we will not be offering a replacement rebound unit.
Guardians of Leeb Standard

✅ Inventor of Leeb

✅ Conserved for over 35 years

✅ Supplier for National Metrology Institutes (NMI)
Global Standards Conformity
Global Proceq Service Network
Complete offering  
Increased productivity  
From the inventor
## Attractive Pricing

<table>
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<tr>
<th></th>
<th>Bambino 2</th>
<th>Piccolo 2</th>
<th>Equotip Live</th>
<th>Equotip 540</th>
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<tr>
<td>Probes</td>
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## Equotip Live Offers

### One off purchase

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Pricing</th>
<th>Description</th>
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<tbody>
<tr>
<td>Leeb D</td>
<td>CHF 3,750</td>
<td>Incl. 2 years Report, Export, Sharing, Live Webtool</td>
</tr>
<tr>
<td>UCI</td>
<td>CHF 4,550</td>
<td>Incl. 2 years Report, Export, Sharing, Live Webtool</td>
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### Rental

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Pricing</th>
<th>Description</th>
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<tbody>
<tr>
<td>Leeb D</td>
<td>CHF 999 start-up fee + CHF 599 / year</td>
<td>Full feature set</td>
</tr>
</tbody>
</table>

### CHF 599 / year

- Option to extend Report, Export, Sharing, Live Webtool
Great deals you can rely on!

Trade-in of discontinued products

Send us your Equotip …

… get 35% discount on any Equotip 550 unit!

Send us your GE/Krautkrämer device …

Send us your GE/Krautkrämer devices

Calibration

… get a factory calibration!
Future-proof
Equotip®
Complete Portable Hardness Solution