Millmate thickness gauging systems
C-frame Gauge PMG100ver3.1 OS upgrade

Cost-effective upgrade with the latest industrial PC and operating system that improve reliability and cyber security.

Measurement made easy

Product lifecycle and retrofits explained
After years of solid performance from your Millmate thickness gauging system there comes a time when you need to consider its future.

ABB uses a lifecycle model to manage products from cradle to cradle. Products no longer in production move into the classic phase and availability of spare parts and services is guaranteed. Products move into the limited phase and spare parts and services may not all be available.

Upgrade to the latest industrial PC with operating system Windows 10 IoT LTSC with application software PMG100*3.1 is a cost-effective way of extending product life and accessing modern technology without replacing the complete Millmate thickness gauging system.

Service offering
Upgrade of Millmate thickness gauging systems:
- MTG C-frame
  - Industrial PC with Windows 10 IoT LTSC and Application Software PMG100*3.1.7

The update service will be performed on-site reusing all electronics and mechanics except the industrial computer with the new operation software. The upgrade onsite will be performed by a certified Millmate thickness gauging systems service engineer.

Benefits of an upgrade

Maximize capital investments
Extend product life time and reliability.

Cyber security
Windows 10 IoT LTSC* operating system with improved cyber security and latest security patches.

Service availability
Keep your Millmate thickness gauging system modern and guarantee access to all spare parts and services.

Warranty extension
Work performed by ABB provides 24 month warranty for an upgrade.

Modernize processes
Access state of art technology.
### The Millmate thickness gauging system

The Millmate thickness gauging system is an intelligent measurement system designed for user-friendly commissioning, operation and service.

### Product life cycle

<table>
<thead>
<tr>
<th>Technology and platform features/properties</th>
<th>Obsolete</th>
<th>Obsolete</th>
<th>Limited</th>
<th>Obsolete</th>
<th>Active</th>
<th>Active</th>
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<tbody>
<tr>
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</table>

### Basic thickness measurement
- Yes

### Double gauge system
- No

### Supervision of air and oil pressure
- No

### Profibus (option)
- No

### Resistivity measurement (option)
- No

### Clad material function (option)
- Yes

### Latest input provider in control
- Yes

### Control source definition
- No

### Strip edge position data on external interface
- No

### Swing away function
- Yes

### Swing detection
- No

### Internal temperature control
- Yes

### Temperature alarm
- No

### Basic report functionality
- Yes

### Double gauge report including data storage
- No

### Cyber security features

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### HMI OS Windows 2000 Pro
- Yes

### HMI OS Windows XP Pro
- No

### HMI OS Windows 7 Pro
- Yes

### HMI OS Windows IoT
- No

### Active firewall blocking all incoming connections
- No

### Hard drive locked down for writing
- No

### Standard Gauge head features

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<tr>
<th>Measuring range</th>
<th>± 0.1 to 10 mm</th>
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<td>Tolerance to vertical strip movements</td>
<td>± 3 mm</td>
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<td>Minimum strip width</td>
<td>270</td>
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</table>

### Foil Gauge head features

| Measuring range | ± 0.01 to 6 mm |
| Tolerance to vertical strip movements | ± 3 mm |
| Minimum strip width | 140 |

### Network

- Control unit
- Operator unit
- Compressed air
- Gauge head assembly

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To find your local ABB contact, visit: [abb.com/contcts](http://abb.com/contcts)

For more information visit: [abb.com/measurement](http://abb.com/measurement)

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