



Babtec.PMM

Valid Inspection Results Through Consistent Gage Management

Capable gages are the prerequisite for an objective assessment of measurements and the decisions derived from them. Use the convenient possibilities of a computer-aided gage management to ensure the trustworthiness of your gages

and measuring equipment. With an uncompromising gage management, you provide the evidence that the gages or inspection equipment used are capable of providing a valid result within their measurement accuracy.

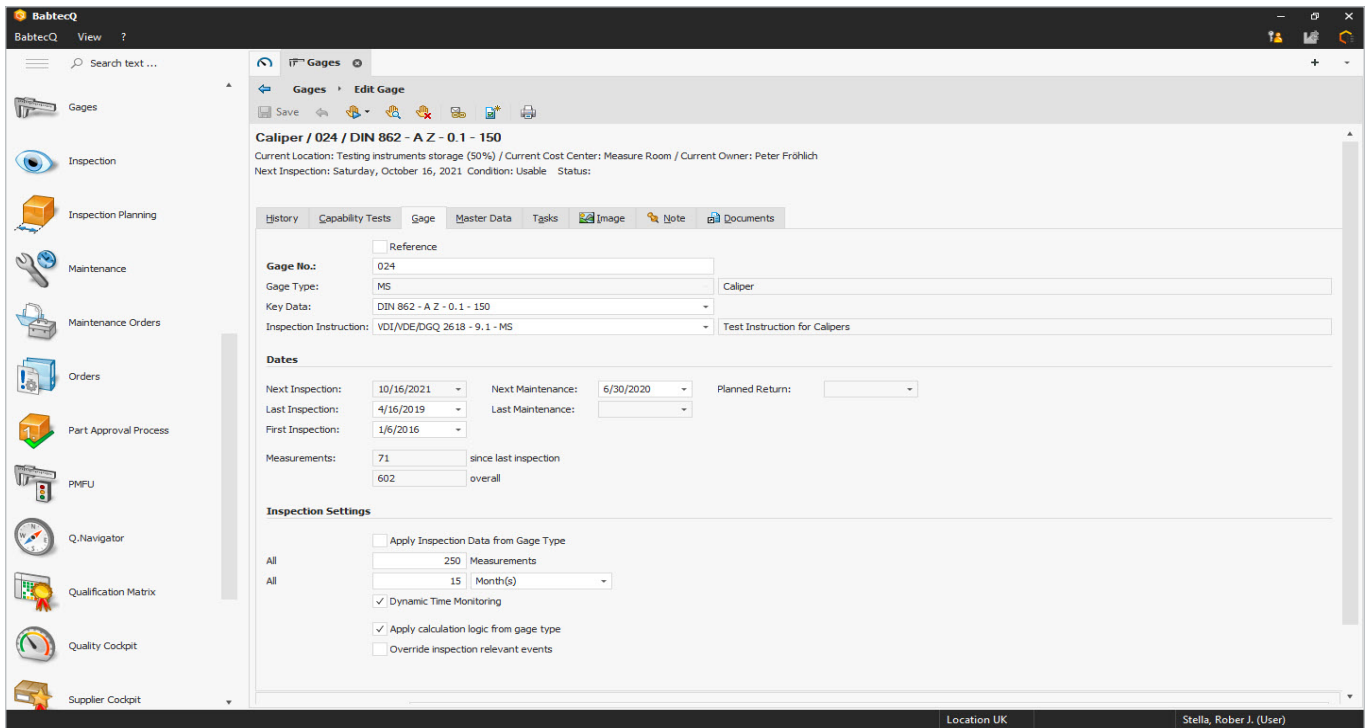
Gage Management

Babtec.PMM provides you with an extensive instrument for the clear management, monitoring and maintenance of your gages. Whether standard gages or product-based inspection devices – you document all the relevant and specific information for every gage.

Each gage is uniquely identified with a gage number and assigned to a gage type based on its design. In addition, gages can be uniquely identified using key data. The data management is supported by the use of **catalogs**, e.g. for gage types, statuses or locations. It is also possible to store advanced information about a gage in form of additional notes and images (Babtec.VP) or to document based on external files that are stored in the BabtecQ database.

The **gage status** provides information about the operational state and availability of a gage. In addition, the current location of the gage is documented at all times. Hence, it is possible without any problems to determine the gage inventory and operational state of the gages for a certain department, employee or workplace.

Every **location or status change** (e.g. inspection or maintenance) of a gage is documented in Babtec.PMM via an entry in the **gage history**. Use the comprehensive catalog functions of BabtecQ to represent your for the gage management using freely definable events and gage statuses. According to your workflow, you revert to individual or collective postings.



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Gage with inspection interval and dates

Gage Monitoring

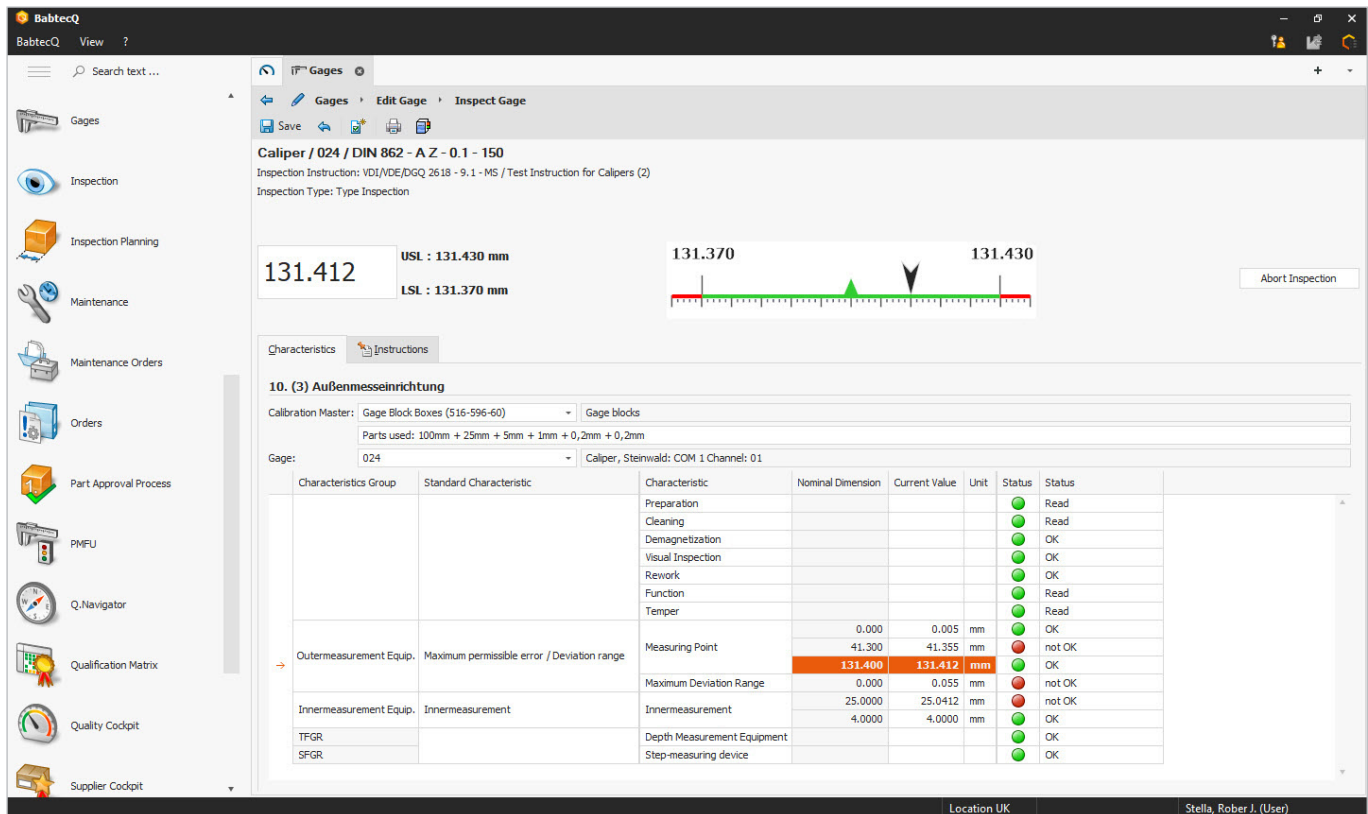
An effective process for ensuring the operational state of your gages lies in performing **periodic control checks**. One of the requirements here is to define meaningful **inspection intervals** for every gage so that deviations can be determined in due time and only capable gages are used in your product manufacturing process.

If a gage is subjected to increased wear at a certain usage site, then the defined time interval is **dynamically** adjusted according to the defined degree of utilization for this usage site, i.e. shortened or lengthened depending on the degree of utilization.

One essential task in gage monitoring is to adhere to the defined or determined **inspection dates**. Babtec.PMM offers

an effective solution for every workflow and every form of gage management. If it is well-proven to request the gages due from the departments using **gage or reminder lists**, corresponding reports are used.

These lists, for example, can be transferred in paper form directly as shipping document to the person in charge of the gage. On the other hand, Babtec.Q.Agent can be used to remind employees in charge or the gage owners themselves, e.g. once a month **automatically via e-mail** to surrender gages due. Dynamic date filters also support you in the **pre-planning** of scheduled control checks so that you can ensure a timely replacement.



Internal inspection based on an inspection instruction

Calibration and Control Checks

Based on the defined inspection intervals, you plan **external** and **internal calibrations** as well as control checks. Besides defining suitable inspection intervals, it is important to your internally performed control checks to define the suitable inspection criteria in view of the gage type and gage procedure. Only then do you ensure the validity of your control checks with which you decide on the **operational state** of a gage.

For the performance of control checks, Babtec.PMM provides an extensive **library of inspection instructions**, which can be used immediately without any additional planning effort. The instructions are based on the current guidelines according to VDI/VDE/DGQ 2618. The determination of the gage-specific nominal values is based on the current DIN standards. The use of extensive inspection standards and formula functions ensures that you require fewer inspection instructions. As such, e.g. only one single inspection instruction is required for external micrometers with different measuring ranges.

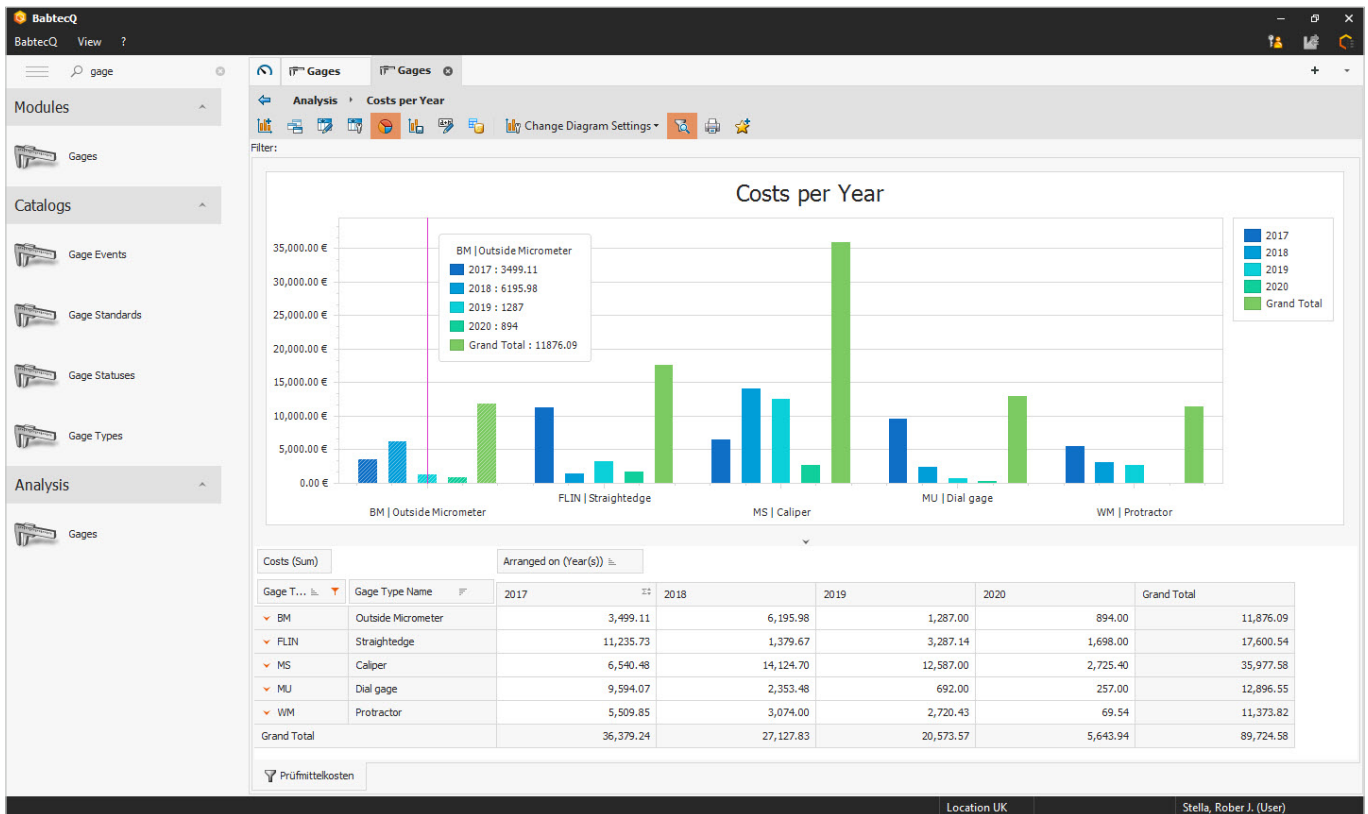
Of course, you can also use the existing instructions as templates for own or specialized inspection instructions. Existing inspection instructions that should no longer be used for control checks can be disabled. Revert to the Babtec.VP visualization package to increase the amount of information of inspection instructions through images – because pictures say more than a thousand words.

The data recording of results for internally performed calibrations or control checks can be done via keyboard as well as automated via interfaces for transferring the measured value directly from the gage, a measuring instrument or inspection device. All stored inspection results can be used for the creation of inspection certificates or reports. The powerful **management analyses** of BabtecQ are available for the goal-oriented analysis of the gage data. This allows you to substantiate the effectiveness of your gage management based on performance indicators (e.g. gage costs, availability

of gages by gage type). Use the innovative and flexible pivot technology and create individual graphical analyses simply via drag & drop.

If you should use an **external service for gage calibration**, Babtec.PMM also provides support in this process: from the compilation of gages due for delivery up to the registration of the gages at the corresponding usage sites after successful cal-

ibration. To document the **decisions and calibration results**, it is possible to save the certificate electronically with the inspection. If the calibration lab furnishes the results in digital form, they can also be imported directly for the gage. Babtec.PMM exports and imports calibration data according to the VDI/VDE 2623 standard. Master data, calibration results and certificates are thus securely transferred into your CAQ database.



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Analysis of gage costs per annum

History and Traceability

An important element for securing the traceability across all uses, calibrations, control checks or maintenance tasks is the **completely and automatically** kept history for every single gage. Usage and storage times, inspection results and decisions as well as the gage capability tests performed in the Babtec.PMFU module are documented.

In the context of the control check, company-specific workflows and processes demand high flexibility. For this reason, you can expand all the **catalogs** relevant to the documentation of the gage history (e.g. gage status, events or posting types, incl. the input dialogs) according to your requirements.

The screenshot shows the BabtecQ software interface. The main window displays the 'History' tab for a gage identified as 'Caliper / 024 / DIN 862 - A Z - 0.1 - 150'. The table below lists the historical events, including dates, times, arrangers, event names, locations, and usage statistics.

Arranged on	Arranged by	Event Name	Location Name	Degree of Usage	Days of Use	Order closed	Decision	Signature
12/26/2017 11:43:58 AM	Nötzelmann, Björn	Create	Testing instruments storage	100	0.07			
12/26/2017 1:38:00 PM	Stratmann, Katrin	Internal Test	Testing instruments storage	100	5.80		Usable	
1/1/2018 8:58:11 AM	Nötzelmann, Björn	Add to Test Device	Testing instruments storage	1	0.47	✓	Usable	
2/17/2018 12:09:50 PM	Erwin Voigt	Remove from Test Device	Testing instruments storage	39	2.00	✓	Usable	
2/22/2018 4:17:48 PM	Kondziela, Florian	External Use (Start)	Production	1	0.00			
3/16/2018 10:04:25 AM	Vollmer, Uwe	External Use (End)	Testing instruments storage	816	24.00			
3/19/2018 8:41:02 AM	Kondziela, Florian	External Service (Start)	Lab	1	0.00			
3/29/2018 1:49:50 PM	Kondziela, Florian	External Service (End)	Testing instruments storage	100	4.10			
4/3/2018 4:20:23 PM	Stratmann, Katrin	Internal Test	Testing instruments storage	100	3.61	✓	Unusable	
4/7/2018 7:11:30 AM	Stratmann, Katrin	Internal Test	Testing instruments storage	336	4.00	✓	Usable	
4/8/2018 11:45:18 AM	Ryan Bergmann	Internal Use (Start)	Production	1	0.00			
4/11/2018 2:52:36 PM	Stratmann, Katrin	Internal Use (End)	Testing instruments storage	100	1.76			
4/13/2018 9:16:09 AM	Kondziela, Florian	External Test (Start)	Test Lab Quality Assurance	100	2.29			
4/15/2018 4:23:33 PM	Vollmer, Uwe	External Test (End)	Testing instruments storage	50	0.00	✓	Usable	
4/15/2018 4:30:00 PM	Blume, Rosa	Internal Test	Testing instruments storage	50	61.50	✓	Usable	
8/15/2018 4:30:01 PM	Blume, Rosa	Internal Test	Testing instruments storage	50	62.86	✓	Usable	
12/20/2018 10:00:00 AM	Blume, Rosa	Internal Test	Testing instruments storage	50	31.58	✓	Usable	
2/22/2019 2:00:15 PM	Blume, Rosa	Internal Test	Testing instruments storage	50	53.55	✓	Usable	
6/9/2019 4:33:25 PM	Mayer, Alexander	Internal Use (Start)	Production	100				

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Gage history

Babtec.PMM

At a Glance



- Recording and managing of gage master data
- Automated monitoring of inspection dates
- Fixed and dynamic inspection intervals with consideration of usage sites and degrees of utilization
- Automatic and complete documentation of all usage sites, calibrations, maintenance, etc. in the gage history
- Representation of company-specific workflows for the gage management through freely definable events and gage statuses
- Convenient individual and collective postings
- Performing internal calibrations and control checks with automatic measurement adoption of digital gages
- Extensive library of inspection instructions according to VDI/VDE/DGQ 2618, including DIN standards
- Creation of individual inspection instructions
- Image integration (e.g. BMP, JPG) for more detailed inspection instructions (Babtec.VP)
- Exchange of calibration data with external calibration service providers according to VDI/VDE 2623
- Managing inspection devices with parts lists of any gage type
- Powerful statistics and generation of performance indicators, e.g.:
 - > gage overview (for each gage type, condition and others)
 - > cost analyses (for each gage type, internal and external calibration, year or month, and more)
- Extensive report library for gage and reminder lists, inspection instructions, inspection certificates
- Creation of company-specific forms, reports and certificates (Babtec.RPT)
- Integration in BabtecQ (Babtec.EM, Babtec.WEP/WAP, Babtec.FP, Babtec.PMFU)
- Automatic information distribution – communication and reporting via Babtec.Q.Agent (e.g. notification about gages due in the next month)



Let Us Advise You

Individual Consulting

We would be happy to introduce you to the module in a personal appointment in which we can show you how our solution can optimize your processes. In doing so, we record the current status and explain the further procedure.

[Make an appointment](#)

Our Solutions

Are you interested in further modules that support your processes even better? Just have a look around on our website.

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Overview of Our Portfolio

Would you like to get an overview of our entire range of products? In the current overview we present you our software solutions and services.

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