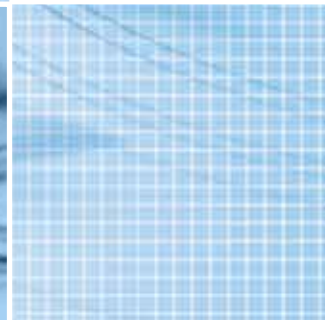




altegra

GageManager™

Affordable, Fully Featured Calibration Management Software that's Easy to Use



GageManager™

Affordable, Fully Featured, Easy to Use

Introduction

GageManager is a fully featured, affordably priced calibration management system.

A small service and repair facility may have several dozen variable gages. A large manufacturing plant may have hundreds variable gages, thousands of attribute gages, and dozens of pieces of related equipment. All of this measuring equipment must be tracked and periodically calibrated.

The purpose of GageManager is to enable its users to manage the company's measuring equipment in a technically correct, audit-compliant, and time-saving manner.

GageManager offers device inventory management, calibration scheduling, and measurement system analysis (MSA), including Gage R&Rs. GageManager's functionality covers device check out / check in, device usage history by job, and device repair history.

GageManager's innovative dashboard-based screen design keeps calibration status information at your fingertips. Even when you are not in the software, GageManager will keep you on top of calibrations with email-based calibration recall notices, calibration reminders, status updates, and event notifications.

GageManager is visual, easy to learn, and can be implemented in as little as one day.

GageManager can run on a single PC or scale to a multi-plant network.

Companies around the world, including the United States, Canada, Europe, the Middle East, and Asia, have been using the GageManager since 1999 to gain control of device calibrations and pass ISO certifications.

Whether you have to manage 50 devices or 5000, GageManager will save you time and money, and help ensure that you never miss a calibration.

GageManager's purpose is to enable its users to manage measuring equipment in a technically correct, audit-compliant, and time-saving manner.

“I used to spend two hours on calibrations with the old system. It now takes me 40 minutes.”

- Quality Manager



Key benefits:

- Get calibrations done on time
- Spend less time on calibration management
- Gain ISO Certification
- Pass audits with confidence
- Build customer trust with a professional calibration management system
- Stay current with evolving industry best practices (MSA 4th Edition)
- Reduce IT maintenance with reliable Microsoft SQL Server Database Technology
- Be more efficient and get more done every day

Top 5 Reasons Companies Purchase the GageManager:

- ☑ The manual, paper-based process is simply unmanageable
- ☑ Managing calibrations in Excel is not giving us the information we need
- ☑ Need calibration management software to satisfy auditors
- ☑ Our old software stopped working and upgrading to its new version is too expensive
- ☑ Cannot justify the time and effort to maintain our home-grown Access-based system

“With 3,000+ devices how do you know what’s due when? GageManager Knows! The information is just a click or two away. GageManager is just what our customers ask of us!”

- Quality Manager

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System Modules and Features

Inventory Management

- Create, store, sort/search, and modify device records
- Copy an existing device to create a new device
- Variable and Attribute Gages
- Devices with Multiple Scales
- Device Status Dashboard
- Device Check Out / Check In
- Track gage usage by job number, part number, and customer
- Track gage repair and maintenance activities, including on-time equipment return by calibration labs and repair facilities
- Schedule and track user-defined gage/machine/equipment activities
- Fully cross-referenced device life-cycle log
- Print device ID labels, with or without barcodes
- Print Shipping Lists
- Supports ISO 9000 and ISO/TS16949 Certification
- Variety of Reports

Calibration Tracking and Scheduling

- Schedule, track, and store gage calibration records
- Send to/Receive from Calibration Labs or perform internally
- Print calibration certificates
- Print calibration labels
- User-defined calibration schedules with automatic re-scheduling per specified frequency
- Calibration schedules can be managed for individual devices and for groups of devices
- Calibration instructions can be managed for individual devices and for groups of devices
- Store calibration instructions
- Store links to files with calibration instructions
- Store links to files with calibration certificates
- Calibration Status Dashboard
- Calibration Due/Overdue Reports
- Calibration Reminders
- Overdue Warnings
- Calibration History

“Works great! Haven’t had any problems or questions.”

- Machine Shop Owner

Basic Calibration

- Enter lists of reference values (standards / masters)
- Enter “As Found” and “As Left” measurements
- In-Tolerance / Out-of-Tolerance Indicators
- Chart and Stats
- Print calibration certificates

Basic Gage R&R

- Gage R&R for Variable Gages
- Range Method
- Average & Range Method

Group Operations

- Check out Groups of Devices in one transaction
- Send Groups of Devices for Calibration as One Transaction



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System Modules and Features (Continued)

Automatic Email Notifications

- Calibration Reminder Emails with Lists of Device Due/Overdue
- Event Notification Emails (ex: gage failed calibration)
- Status Update Emails (ex: number of gages overdue for calibration)
- Emails can be sent to employees even if they are not GageManager users
- Email notification content settings for each user / employee
- Email notifications delivery schedule for each user / employee



Measurement System Analysis

- AIAG MSA-4 Support
- Gage Linearity study (AIAG method) with regression & confidence band graph
- Bias study (AIAG method)
- Stability
- Schedule, track, perform, and store Gage R&R studies
- Gage R&R studies for variable gages (AIAG methods): ANOVA, Average and Range, Range with charts and Gage Performance Curve
- Gage R&R studies for attribute gages (AIAG methods): Cross-tabulation Method and Cross-tabulation with Reference Values Method
- Gage R&R instructions can be managed for individual devices and for groups of devices

Traceability Reports:

- Forward Traceability Report
- Reverse Traceability Report

“We have facilities around the world, and each facility uses a different calibration spreadsheet. We need to standardize and centralize.”

- Manufacturing Executive

Enterprise Edition Features

- Automatic Calibration Recall Notices
- Calibration Work Orders
- Multi-Tenant Database Design: Isolated Datasets for Multiple Facilities / Plants in a Single Database
- Concurrent User Licensing
- On-Site Services (availability varies by region)

Miscellaneous

- Single-User and Multi-User Installations
- Password-protected user logins
- User access rights management
- Label Printer support
- Barcode Support
- Supports bi-lingual configurations
- Runs under Microsoft Windows
- Works with Microsoft SQL Server Database Management System



GageManager is Available in Several Editions to Fit a Range of Needs and Budgets.



Modules, Features, Options	GageManager Editions				
	Starter	Small Company	Standard	Premium	Enterprise
Maximum Number of Devices	250	No Limit	No Limit	No Limit	No Limit
Inventory Management	✓	✓	✓	✓	✓
Calibration Tracking and Scheduling	✓	✓	✓	✓	✓
Basic Calibration	✓	✓	✓	✓	✓
Basic Gage R & R			✓	✓	✓
Shipping Lists		✓	✓	✓	✓
Automatic Email Notifications			✓	✓	✓
Forward and Reverse Traceability Reports			✓	✓	✓
Measurement System Analysis / AIAG MSA-4 Support				✓	✓
Calibration Recall Notices					✓
Calibration Work Orders					✓
Multiple Facilities (Plants) in a Single Database					✓
License Type: ■ - By Computer ○ - Concurrent User	■	■	■ ○	■ ○	■ ○
Stand-Alone Installation Possible	✓	✓	✓	✓	✓
Multi-User Installation (proper licensing required)	✓	✓	✓	✓	✓
Data-Import Service Available	✓	✓	✓	✓	✓
Support: by phone, email, screen sharing / on-line meetings.	✓	✓	✓	✓	✓
On-Site services: Implementation Assistance, Training, Support.					Varies by Region

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GageManager Login Screen

“If saving time is one of your priorities, this software is for you.”

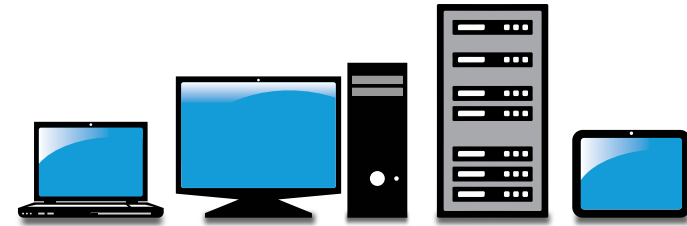
- Quality Technician

GageManager is compatible with several models of the Brother P-Touch label printers. Calibration stickers, device status labels, and ID labels can be printed. Device labels may include barcodes.

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System Deployment Configurations



GageManager runs on Windows-based desktops, laptops, and servers, and can also be accessed from Android-based, Windows-based, and Apple iPad tablets.

	Stand-Alone	Client-Server	Client / Server Multi-Tenant	Other Options
Single-User	The software is installed and used on the same computer where the database is located.	The software is installed and used on a single workstation while the database is located on a server.	N/A	Other deployment options, such as using Terminal Services or installing program files on a server, are possible. Contact us to discuss licensing implications
Multi-User	N/A	The software is installed and is used on multiple workstations while the database is located on a server.	The software is installed and is used on multiple workstations while the database is located on a server. A single database contains segregated data for multiple facilities / plants.	

System Requirements

GageManager works on computers running Microsoft Windows 7, Windows 8, and Windows 10. Support for Windows Vista and Windows XP is ending. GageManager requires Microsoft SQL Server 2008 R2, SQL Server 2012, or SQL 2014 installed in either the stand-alone or client-server / LAN configurations.

Most GageManager installations can utilize the Express Edition of the MS SQL Server, which is available from Microsoft free of charge. .NET 2.0 or later is required on the computer running GageManager's email delivery application. Label printers and barcode scanners are optional and are available from third party vendors; contact us for details.

“These guys are here for you. Altegra goes above and beyond from converting your database to hands on training. From the ease of the interface to the staff of Altegra, this has been a great purchasing decision. Don’t hesitate if you’re considering their product.”

- Quality Management Representative



Support, Training, and Data Import Services

Altegra offers installation assistance, technical support, software maintenance, product training, and data import services.

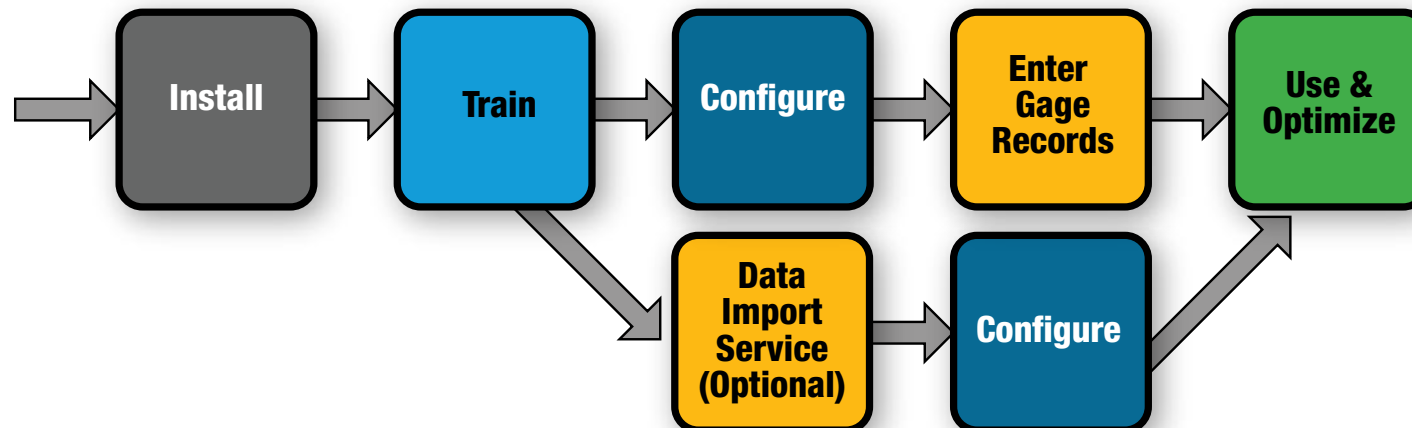
Installation assistance is free and ranges from license configuration and deployment planning consultations to installation Q&A, troubleshooting, and hands-on help via remote access.

Technical support and software maintenance services delivered in the form of annual contracts. Support contracts are optional, and the customer is not required to purchase them in order to maintain their software license.

Technical support is delivered by phone, email, remote access, and on-line meetings. Software maintenance includes all software releases, including major version upgrades.

Product training is delivered in live, on-line training sessions dedicated to a single customer. We are also available for on-site training.

We can import your existing data from Excel, Access, and other data formats. If you are interested in importing your data into the GageManager, contact us for a free, no-obligation feasibility evaluation and quotation.



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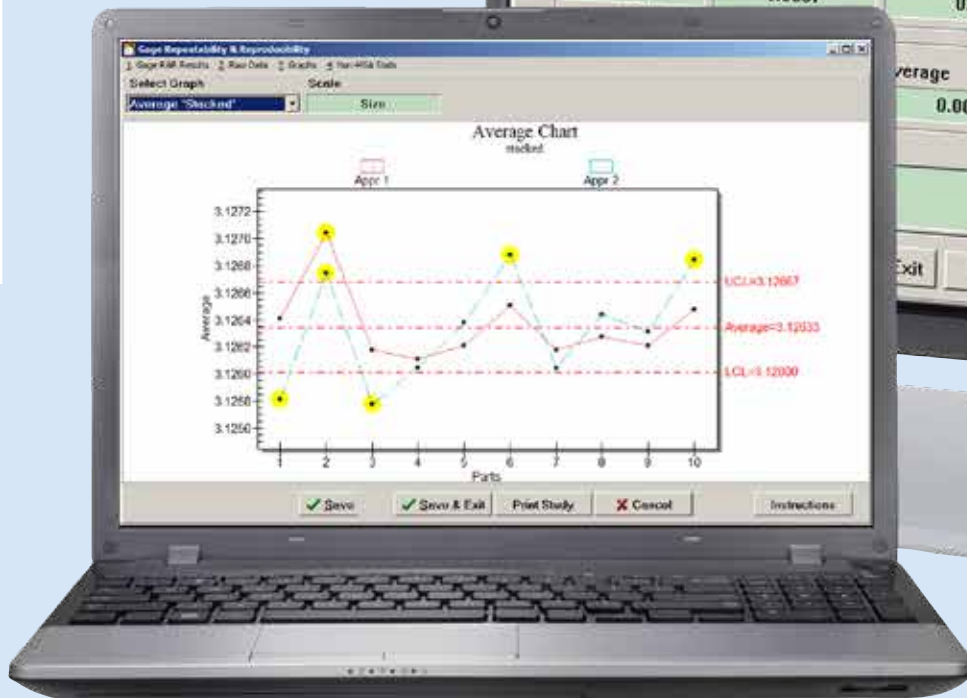
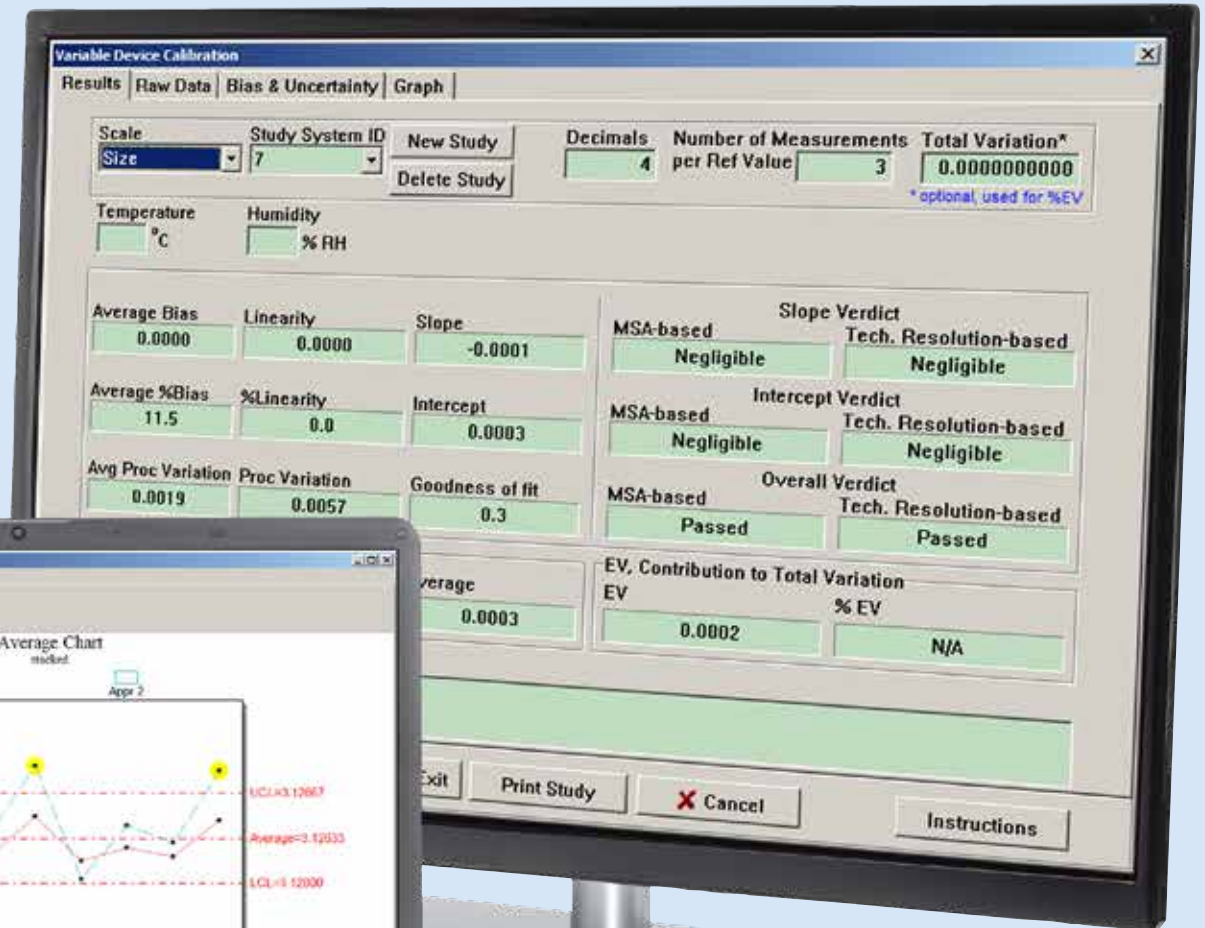
Alerts				
12	1	0	0	1
Overdue Calibrations	Violation Use Calibrations	Overdue GRRs	Violation Use GRRs	Violation Use Overall

Stats				
1	1	0	5	1
Broken	Have Usage Restrictions	Failed Calibrations	Checked Out	In Calibration

Shortcuts				
Check In Check Out	SEARCH	Reminders	Manage Users	Config. Settings

Main Dashboard provides instant access to Overdue Alerts, Key Stats, and Shortcuts to frequent actions.

Measurement System Analysis: Bias & Linearity, Gage R&R, AIAG MSA-4 Support



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Edit device: Caliper

Device Description | Tech Specs | Schedules & Instructions

Type	Caliper	1
Subtype	0-12" Dial Caliper	1
Inv #	523	
Name	Caliper	
Make	Mitutoyo	
Model #	500-196-20	
Serial #		
User Field 1		
User Field 2		
User Field 3		

Device Owner

Type	Company
Address	
Employee	
Recall Contact	George B

Device Retired

Date	//
Reason	
Disposition	

Usage Pattern

Heavy Light Other

	Calibration	GR&R
Type		
Next Date	09/12/2013	//
Last Date	08/12/2013	//

Status

Checked-Out: Violation Use

Calibration Overdue? Overdue

Gage R&R Overdue? No

User Action Overdue? No

Usage Restrictions? No Yes

Storage Location QA Lab

Current Location CNC Department

Current User Peter T

Device Description Mitutoyo Digital Caliper

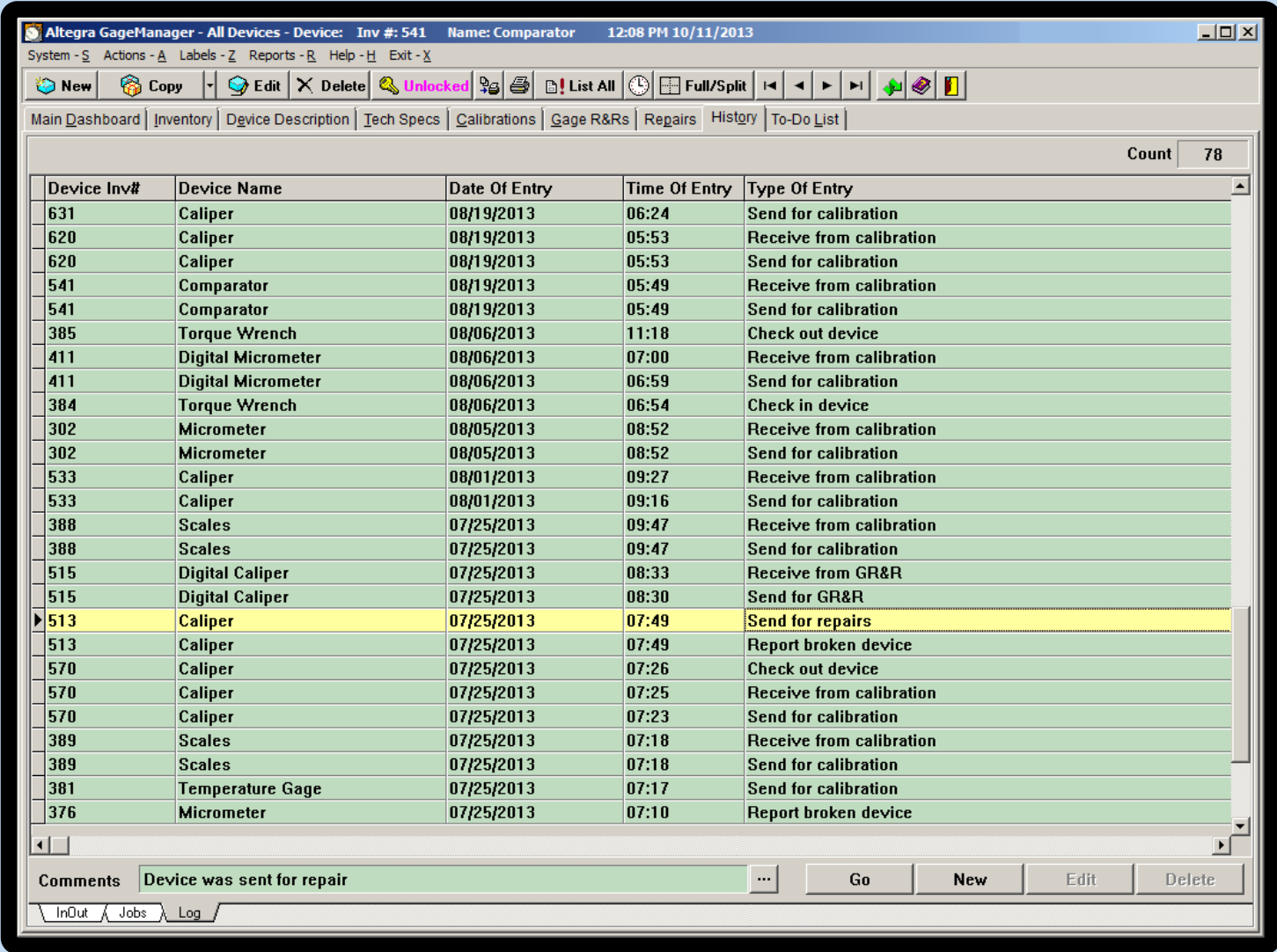
Device Comments

OK Cancel

Device Record screen allows to edit identifying, administrative, technical, and scheduling information.

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The screenshot shows the GageManager software interface. The title bar indicates 'Altegra GageManager - All Devices - Device: Inv #: 541 Name: Comparator 12:08 PM 10/11/2013'. The menu bar includes System, Actions, Labels, Reports, Help, and Exit. The toolbar contains icons for New, Copy, Edit, Delete, Unlocked, and other functions. The main window has tabs for Main Dashboard, Inventory, Device Description, Tech Specs, Calibrations, Gage R&Rs, Repairs, History, and To-Do List. The History tab is active, displaying a table with columns: Device Inv#, Device Name, Date Of Entry, Time Of Entry, and Type Of Entry. The table lists various actions performed on different devices, with the entry for device 513 highlighted in yellow. Below the table, there is a 'Comments' field with the text 'Device was sent for repair' and buttons for 'Go', 'New', 'Edit', and 'Delete'.

Device Inv#	Device Name	Date Of Entry	Time Of Entry	Type Of Entry
631	Caliper	08/19/2013	06:24	Send for calibration
620	Caliper	08/19/2013	05:53	Receive from calibration
620	Caliper	08/19/2013	05:53	Send for calibration
541	Comparator	08/19/2013	05:49	Receive from calibration
541	Comparator	08/19/2013	05:49	Send for calibration
385	Torque Wrench	08/06/2013	11:18	Check out device
411	Digital Micrometer	08/06/2013	07:00	Receive from calibration
411	Digital Micrometer	08/06/2013	06:59	Send for calibration
384	Torque Wrench	08/06/2013	06:54	Check in device
302	Micrometer	08/05/2013	08:52	Receive from calibration
302	Micrometer	08/05/2013	08:52	Send for calibration
533	Caliper	08/01/2013	09:27	Receive from calibration
533	Caliper	08/01/2013	09:16	Send for calibration
388	Scales	07/25/2013	09:47	Receive from calibration
388	Scales	07/25/2013	09:47	Send for calibration
515	Digital Caliper	07/25/2013	08:33	Receive from GR&R
515	Digital Caliper	07/25/2013	08:30	Send for GR&R
513	Caliper	07/25/2013	07:49	Send for repairs
513	Caliper	07/25/2013	07:49	Report broken device
570	Caliper	07/25/2013	07:26	Check out device
570	Caliper	07/25/2013	07:25	Receive from calibration
570	Caliper	07/25/2013	07:23	Send for calibration
389	Scales	07/25/2013	07:18	Receive from calibration
389	Scales	07/25/2013	07:18	Send for calibration
381	Temperature Gage	07/25/2013	07:17	Send for calibration
376	Micrometer	07/25/2013	07:10	Report broken device

Comments: Device was sent for repair

Buttons: Go, New, Edit, Delete



History Tab shows a complete log of actions performed on any one particular device or across all devices.

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