MeasureOD®

Measurement & Control Simplicity for Laser Micrometers

Powerful software to easily manage every aspect of your laser micrometer resources – Control, Measurement Definition and Data Analysis

Experienced-based design	– Developed and designed by a team that has over thirty years of experience in Mechatronics/DAQ/automation/software field – Provides Uniform User Interface independent of connected Laser Micrometer System
Robust, Validated Software	– Designed to run for days/months/years -- 24/7 operation w/ no software issues – Proven track record at a medical device manufacturing firms
Low Cost of Implementation	– Runs on Windows XP/7/10 environment – eliminates the need for proprietary (expensive) workstation/hardware – Single, competitive purchase price with no periodic subscription costs – Low-cost communication cabling
Multi-Platform Control / Standard Interface	– Supports multiple laser micrometer products – Includes single, double, tri-axis measurement planes – Updates to the software implemented at no charge to support any Laser Micrometer system

Task-Oriented Software Architecture

The **MeasureOD®** software package seamlessly integrates three utilities – **MeasureOD®**, **mSPECIFY®** and **mDATA®** – into a single comprehensive system.

Each utility pairs a straightforward, intuitive user interface with a full set of flexible commands and features - allowing you to focus on the task at hand:

MeasureOD®

– Direct support for Tower Light Alarm Assembly that is tied directly to measured/computed product CPK. Turnkey System peripheral - just plug it in and the software will automatically identify and enable it for use.

– Real time graphing of measured results. User may scroll back through the Local Graph Plot to review any time history in detail while the software is actively running.

– Includes the unique capability for Global Statistics (entire lot) as well as Local Statistics (last hour) of the manufactured product.

– Automatic detection/pause mode when measured product is removed from measurement window (and subsequent automatic restart when measured product is returned to measurement window).
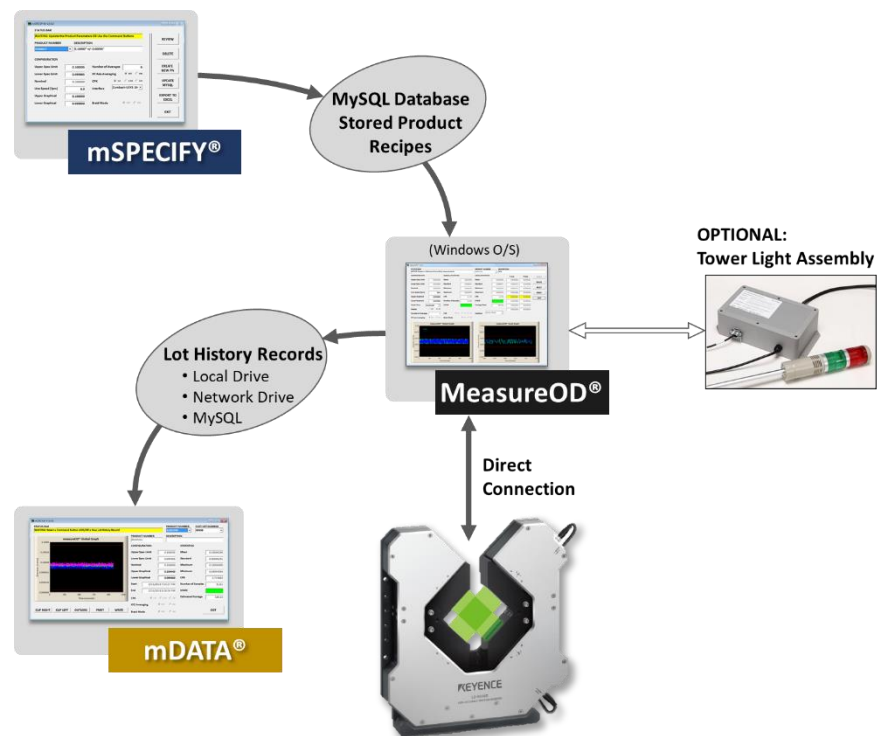
mSPECIFY®

– Define and store manufacturing specifications

mDATA®

– Viewing and post-processing of Lot History Records. The mDATA® utility also provides the capability for updating Lot History Records with the *Clip Left*, *Clip Right*, and *Statistical Outlier* functions.

– Store Lot History Records to local hard drive, network hard drive, and/or RT Automation MySQL VPS Server (annual service fee applies). Up to 650,000 data points per Lot History Record.

– Direct export of results to Microsoft Excel in "ready to print" format including a plot vs. footage plot and statistical results of the measured product

Measurement and Data Flow with the MeasureOD® System

Direct laser micrometer control and measurement MeasureOD®, and draw on mSPECIFY® and mDATA® functionality when needed. Optional tower light integration enhances notification visibility.

Roth Technologies, LLC