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The John Chadwick Corporation has been manufacturing optical micrometers for over 15 years, and the latest digital 8400K is more advanced than ever!

Our facility in Monrovia, CA has a full service precision CNC machine shop to supply many different industries with custom bases and fixtures for their specific inspection applications.

We offer personalized customer service via phone, fax or email, and product information and technical support is available on our website at jchadwickco.com.



TAKE THE GUESSWORK OUT OF VISUAL INSPECTION

DIGITAL OPTICAL MICROMETER KIT 8400K





Windshields,
Canopies,
Driveshafts,
Couplings,
Castings,
Transmissions,

Repair or Replace?

Engines,
Shafts, Masts,
Propellers,
Rotors,
Fuselage skin,
Leading edges,
mechanical parts



Good maintenance begins with visual inspection

The 8400K Digital Optical Micrometer was specifically designed to quickly and accurately measure the depth and width of surface features, like scratches from wiper blades or corrosion pitting, to mechanical parts.



Very specific maximum allowances often apply to surface damage, and **exact measurements are essential to determine whether or not a part should be kept in service.** The 8400K brings remarkable precision and integrity to this important judgment process, allowing "repair or replace" maintenance decisions to be made with absolute certainty!

Replace the "fingernail test" with a precise method

- Versatile design - use in a workshop or the field on virtually any surface.
- Large, clear digital LCD display features a one-touch toggle from inches to mm.
- Backup visual inspections with exact measurement data.
- Improve quality control, traceability, documentation, and monitor trends.
- **ELIMINATE GUESSWORK!**
- **SAVE TIME!**
- **SAVE MONEY!**

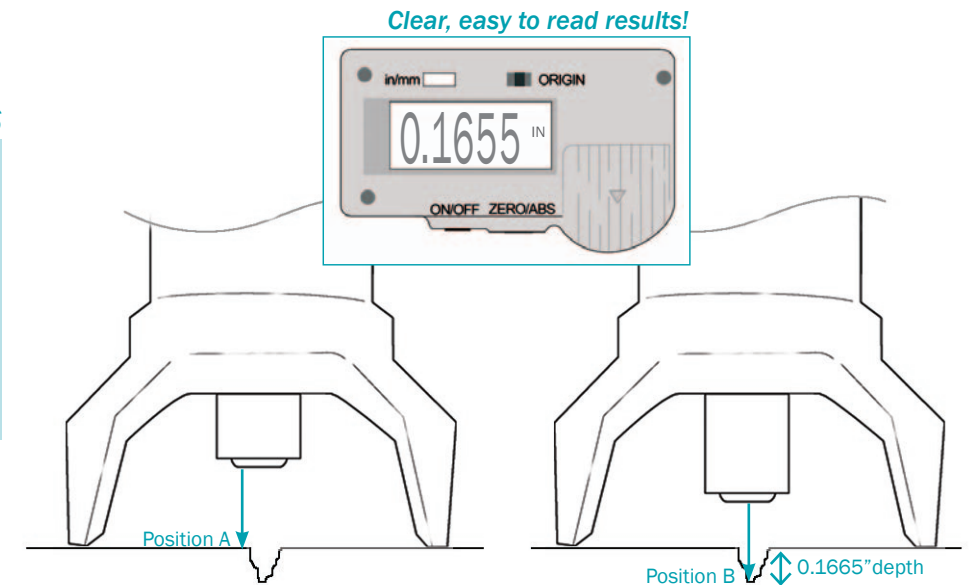
*Make the right repair decision everytime!
Avoid scrapping costly parts which are still in tolerance and stop investing repair hours on parts that are not!*



How It Works

Focus on the good surface next to the damaged area ("Position A"), zero the display, and refocus down into the pit ("Position B"). Then record the results from the digital display - it's that simple and takes just seconds!

Simple operation gets fast, precise and repeatable damage measurements with no manual calculations.

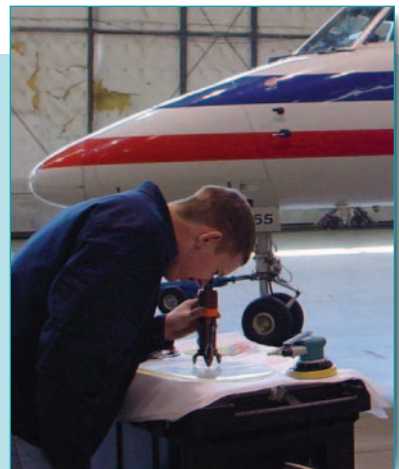


The kit is packed in a sealed, foam padded, shock resistant case - extra durable to withstand everyday use.

The 8400K Kit

Included with every 8400K is:

- Digital Optical Micrometer
- 3 interchangeable bases
- 2 eyepieces
- 2 objective lenses
- Flashlight w/ spare batteries
- Allen wrench
- Scratch sample plate
- Foam lined case
- Manual & Calibration Certificate



Specifications

Resolution 0.0005" Accuracy +/- 0.001" Micrometer Only: 3"DIA x 9"H, 1.5 LBS
 10X OBJ Vertical Range 0.25" Kit in Case: 16"L x 9"W x 7"H, 7 LBS
 4X OBJ Vertical Range 1.2" Temp - Operating: 0 Deg C to 40 Deg C
 Max thickness (transparencies) is 1.8" Temp - Storage: -10 Deg C to 60 Deg C

Accessories



PC compatible.

USB adapter for easy export to a spreadsheet program, such as Excel.

Powerful SPC Analysis.

Handheld printer/processor prints data & performs statistical analysis.



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