# CS8500 PROFILOGRAPH

**HARDWARE**
- The original and *only* true California type system. (CS8500 is the new/replacement system for Cox and McCracken branded systems).
- Guaranteed compliance with USACE/FAA, ASTM, DOT specifications.
- Professionally engineered hardware refined over 50 years.
- One-person assembly and operation.
- Aluminum frame and support wheels assemble in minutes.
- Portable operator control housing with AC/DC power supplies.
- Bi-directional frame operation (reversible steering hardware orients system to test adjacent wheel path without turn-around).
- Panasonic Toughbook computer with Touchscreen controls.
- Toughbook computer is Mil-Spec (<1.5% annual failure rate).
- Lightweight generator for AC power. • Optional DC battery.
- GPS subsystem displays of GPS position, integrates coordinates with profile stations, localized roughness, and Google Earth.
- Adjustable hardware for over/under steering on curved surfaces.
- Reversible brake for parking frame on sloped surfaces.
- Optional enclosed cargo trailer with engineered hardware for secure storage and transit of CS8500 system.

**SOFTWARE**
- Easy to learn, easy to use Windows software programs.
- Multiple profile Indexes supported (PRI, IRI, HRI, RN).
- Computer instructed calibration and data collection routines.
- Feature rich, mature data analysis software.
- Collect dual wheel paths from either direction or any starting point.
- Dual wheel paths test results on one trace with results averaged.
- Two trace reports allow assessment of profile across lane.
- English or Metric data collection and reporting.
- Display of test results, stationing, and profile trace during collection.
- Localized Roughness navigation through trace view & Google Earth.
- Must-grind bumps/dips display in real time with audible alarm.
- Customized localized roughness reports display dimensions and peak magnitude for each bump and dip.
- Profile reports and traces on-screen, in PDF images, or hard copy.
- Raw data exports to multiple formats (Excel, ERD/PPF for ProVal).
- Raw profile data encrypted for maximum security.
- Profile data infinitely re-writable with different parameters.
- Parameters adjust comply with all commonly used agency specifications (e.g. ASTM, DOT, Transport Ministry, FAA, and USACE).
- Add new data to existing profile data files for comparison of original and corrected surfaces. • Track ride improvement throughout project.
- Software license for field and desktop computers.
- On-site operator training and certifications available worldwide.
- Software updates by internet download (self-extracting).
- Worldwide customer support.

### Specifications

**California**
- 1845 Industrial Drive
- Auburn, California 95603
- Telephone: (530) 885-1482
- Facsimile: (530) 885-0593

**Kansas**
- 307 Plymate Lane
- Manhattan, Kansas 66502
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CS8500 Profilograph

- Rugged Touchscreen Computer
- Detachable Housing With AC/DC Power
- Optional Enclosed Trailer

Report Window View of Test Results, Defects, and GPS Coordinates

Google Earth Real Time View of Profile

On-Screen View of Multiple Wheel Path Profile Traces

Bump/Dip Reports with Exact Dimensions and GPS Locations