Built with the Advantage

The AC424 Digital Autocollimator is a compact high performance two-axis non-contact digital angular displacement sensor. The AC400 series of Digital Autocollimators offers an unparalleled level of performance at a price that makes it an exceptional value.

- **Setup Convenience:** The AC424 emits a bright red laser beam for measurement. The ability to physically see that beam makes it especially easy to setup the AC424 when compared to other collimators who have a nearly invisible and large diameter measurement beam.

- **Size:** The AC424 is smallest digital autocollimator on the market today. All other digital autocollimators separate the measurement head from all other electronics. That is not the case with the AC424 which includes everything in one small compact unit.

- **Speed:** The AC424 can acquire and report both Pitch and Yaw data at a blazing update rate of 1000 samples per second. Each Pitch and Yaw sample is processed with the help of a high-speed microprocessor and 16-bit analog to digital converter. A high speed RS-232 Serial Interface is provided for communication.

- **Sensitivity:** The AC424 includes a large solid state analog Position Sensing Detector or PSD for monitoring the Pitch and Yaw position. A proprietary high sensitivity, low noise signal amplifier is closely coupled to the digital acquisition hardware to insure maximum signal integrity.

- **Software:** The AC424 includes a Windows based PC application that makes setup and calibration a snap. It also offers a convenient way to directly collect and store data for later analysis as well as a very visual and easy to understand graphical interface. AC424 firmware commands are also well documented so that you can write your own LabView or MatLab applications.

- **Savings:** The AC424 will cost you less than any other comparable digital autocollimator on the market today. Many other manufactures charge separately for the measurement head and the controller electronics and when that is totalled the cost is significantly higher than the AC424.

Equipment Solutions, the Company

Equipment Solutions, Inc. (ESI) prides itself in giving OEMs and VARs precisely the tools they need to make the best system possible. We believe in long-term relationships. We pledge our undivided attention to our customers. After all, your success ensures ours. Applications support is our highest priority. When you deal with ESI, knowledgeable engineers will help you analyze your problem and reach the best solution, even before you become a customer.