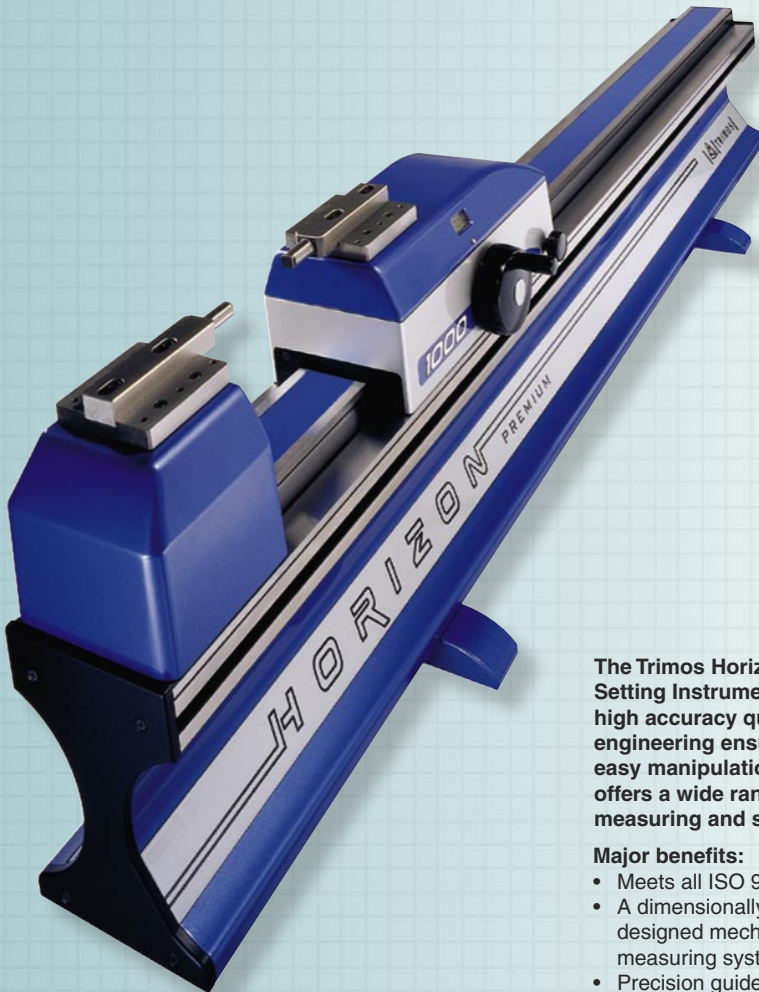




Horizon Premium Length Measuring and Setting Instrument



The Trimos Horizon Premium Length Measuring and Setting Instrument fulfills today's requirements of high accuracy quality control equipment. Superior engineering ensures the best measuring results by easy manipulation. The Horizon Measuring System offers a wide range of accessories to meet numerous measuring and setting applications.

Major benefits:

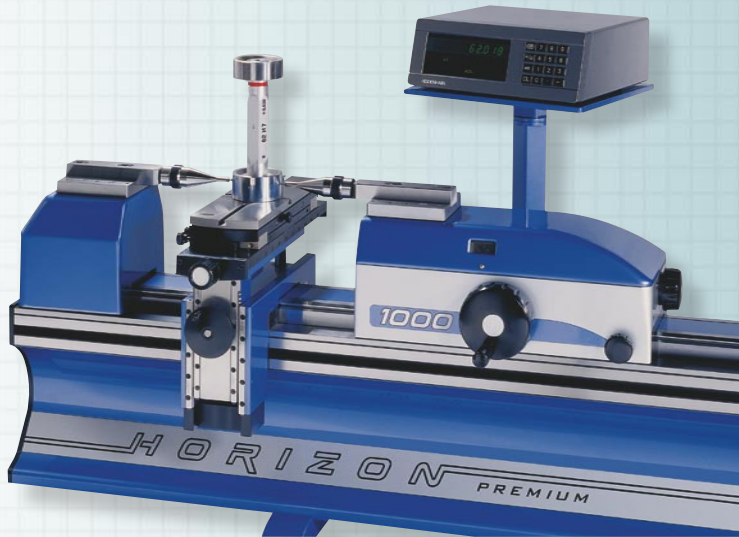
- Meets all ISO 9000/2000 standards
- A dimensionally stable instrument base, well designed mechanics and the use of a high precision measuring system guarantee optimal results.
- Precision guide ways control the sliding, play-free movement of the measuring carriage using the handwheel.
- All accessories can be changed quickly and easily.
- The locking and fine adjustment device of the measuring carriage allows a quick setting and checking of comparative measuring equipment.
- Adjustable measuring force, 2.7 lbs. with digital indication of force in Newtons facilitates the checking of thread gages.
- Measuring tables and supporting devices, positioned on the instrument base, facilitate all setting and checking procedures.

Fred V. Fowler Company, Inc.



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The Horizon Length Measuring and Setting Instrument is available with both Analog or Digital display systems



▲ *Horizon Premium Analog System*

Horizon Premium with Analog measuring system (Heidenhain ND281B):

- The display unit is positioned on an adjustable support and fixed to the base of the instrument.
- Direct display of all length measurement values.
- Display of minimum and maximum hold values
- Direct inch/metric conversion
- Selectable resolution: .00005", .00002", .00001", .000005" or .01mm, .001mm, .0001mm.
- Input and recall of preset values.
- Measuring using two references.
- Direct RS232 output.
- Connector for data transfer using a foot pedal.

Analog system supplied with:

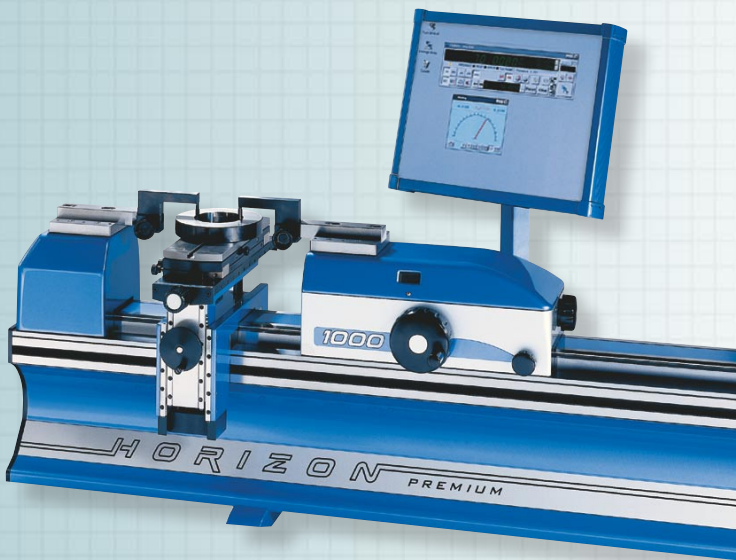
- Basic instrument, includes two location supports with adjustable bolt pads and location plates for instrument leveling
- Two standard anvils No. 54-196-321 with tungsten carbide tipped measuring surfaces
- Protective cover
- Instruction manual
- Test certificate and certificate of guarantee

Display unit and accessories:

- 1 Heidenhain ND281B display unit
- 1 Location plate and adjustable support
- 1 Computer connect cable (9p)
- 1 External switch box and data transfer foot pedal
- 1 Display unit connection cable



Horizon Premium Length Measuring and Setting Instrument



▲ *Horizon Premium Digital System*

Digital Horizon with computer assisted screen display and Trimos software:

- Industrial computer with TFT touch screen.
- The screen is positioned on an adjustable support and fixed to the base of the instrument.
- DDE server (for Excel, Word, etc.)
- Multi-windows mode on screen.
- Linear type analog display or with pointer, selectable scale resolution.
- Digital display of the selected measuring force in N.
- Direct display of all length measurement values and minimum/maximum hold values.
- Direct inch/metric conversion.
- Selectable resolution: .001", .0001", .00001" or .01mm, .001mm, .0001mm
- Measuring using two references.
- Input of 9 preset values.
- Inversion of measuring direction sign (+/-).
- Data transfer using foot pedal.

Digital system supplied with:

- Basic instrument, includes two location supports with adjustable bolt pads and location plates for instrument leveling.
- Two standard anvils No. 54-196-321 with tungsten carbide tipped measuring surfaces
- Interface and CD-Rom (or floppy disk) with TRIMOS Win DHI installation program, PDF help file and Acrobat Reader.
- Protective cover
- Instruction manual
- Test certificate and certificate of guarantee

Display unit and accessories:

- 1 TFT touch screen and adjustable support.
- 1 Industrial computer.
- 1 Keyboard.
- 1 Foot pedal for data transfer.
- 1 Opto connection cable (used for display of measuring force).