

Honing Measurement Software Integration on Rottler Honers: TraceBoss and HatchView

Applicable Machines

- H80 Series: H85A, H85AX, H85AXY, H87AXY

Relevant Parts

- 514-14-29D: Honing Software Package – includes TraceBoss and HatchView

Overview

Rottler is excited to announce a new software addition to the H80 series machines. For customers who have purchased or are purchasing a Profilometer for surface metrology measurements, we are **now offering a Honing Software Package which includes TraceBoss and HatchView – supplemental software that integrates directly with the H80 machine control.**

TraceBoss

If you have one of these... you **NEED** this.

The advertisement features a collection of honing machines on the left, including several handheld devices and larger benchtop units. On the right, a screenshot of the TraceBoss software interface is displayed. The interface shows a 'Surface Texture Data' window with a 'Roughness Profile' graph and a 'Material Ratio' graph. Below the graphs, a table lists various surface texture parameters and their values.

Parameter	Value	Parameter	Value	Parameter	Value
Ra	0.265 μm	Rk	0.611 μm	Rpq	0.205 μm
Rz	2.754 μm	Rpk	0.153 μm	Rvq	1.130 μm
Rq	0.558 μm	Rvk	0.993 μm	Rmq	94.628 %
Rr1	91.694 %	Rmr1	7.781 %		
Rr2	81.865 %	Rmr2	81.865 %		
Rrv	0.083 μm	Rrv	0.083 μm		

TraceBoss Surface Gage Software

Figure 1: TraceBoss Product

TraceBoss connects directly to the profilometer via USB cable and provides a greatly improved upon user experience. **The software can be displayed directly on the machine and allows for the direct control of the profilometer during data collection and analysis.** Other additional features include:

- Interactive Interface
- Save and Recall Data
- Create Templates
- Tolerance Highlighting
- Color-coded roughness parameters
- Exporting for QC reports

The TraceBoss software allows the user to see surface data like never before. TraceBoss **calculates and displays multiple surface measurements**, including the classical Ra/Rz values, the modern Rk/Rpk/Rvk values, and the revolutionary plateau Rpq/Rvq/Rmq values. **A large-scale visual graph with raw data and filtering options** makes it easy to view and compare surface measurements without having to look at the numbers.

Check your cylinder surface finish in an in-depth and intuitive way. Get **precise, savable, and comparable data about your cylinders**. Print or send the information to clients so they know exactly what their engine looks like at the microscopic level.

This is by far the most advanced, most efficient, and most informative way for customers to get the most from their profilometer investment.

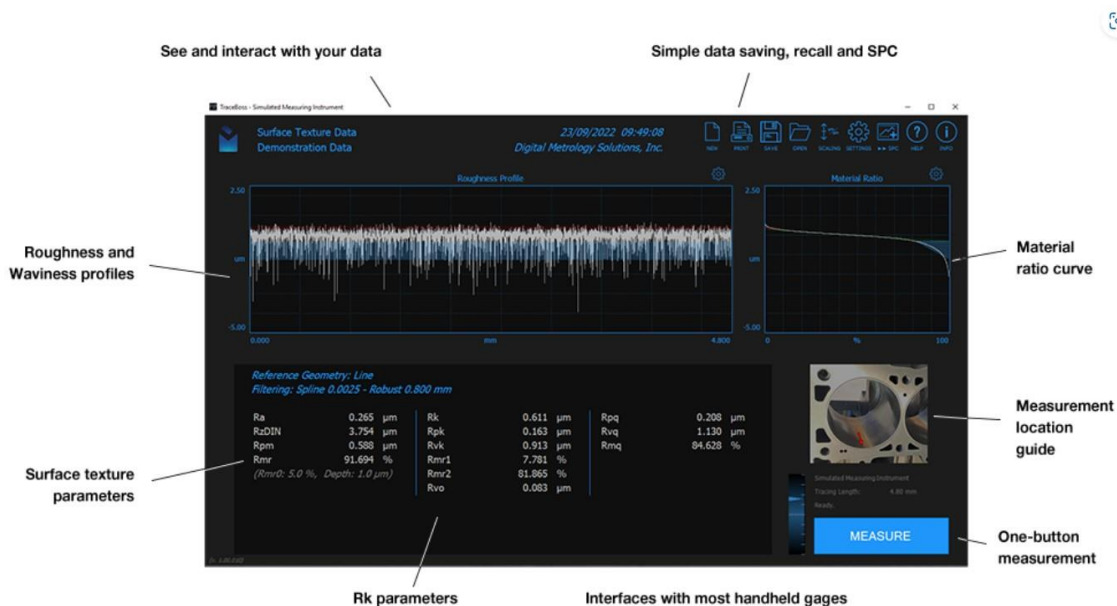


Figure 2: TraceBoss UI

HatchView

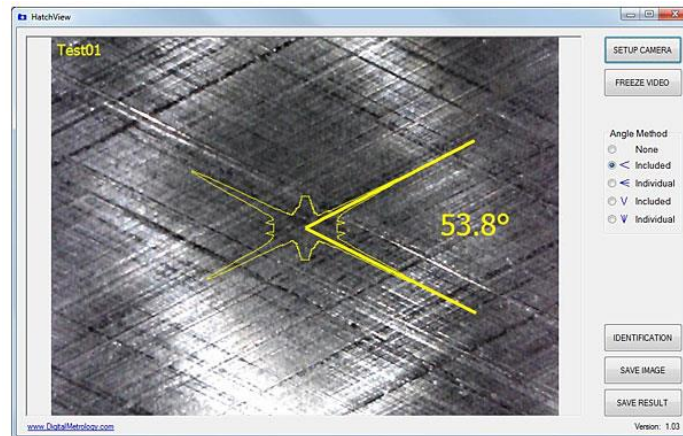


Figure 3: HatchView UI

HatchView software allows for the viewing and exact measurement of crosshatch angle so that customers can now quickly and easily inspect their cylinder walls, all from the screen of a Rottler H80 Series Hone machine.

By purchasing and connecting the USB microscope camera, customers can see their cylinder walls in a brand-new way. HatchView automatically calculates the crosshatch angle to **ensure optimal surfaces**. That means **engine cylinders that are honed to the highest performance**, all the way down to the microscopic level.






The pairing of **TraceBoss and HatchView** gives the most complete look into your honed cylinder surfaces: cylinder wall, crosshatch, surface graph, and measured values can all be seen right from your Rottler honing machine. You can develop your honing method, confirm your results, and share them with your customers.

Additional Information

Customers: Please contact your local Sales Rep, or one of the contacts at the bottom of this bulletin, for more information regarding the software package, TraceBoss, or HatchView.

Sales: Find the Honing Measurement Software Package in QuoteBuilder now! Under “Optional Measuring Equipment and Software”:

OPTIONAL MEASURING EQUIPMENT AND SOFTWARE

	514-14-29D	Honing Software Package - includes TraceBoss and HatchView for enhanced surface finish measurement
	201	Mitutoyo Surface Tester
	514-14-29A	Crosshatch Inspection Camera
	514-8-27	Stone Depth Scale and Holder Assembly (inch)
	514-8-27F	Stone Depth Scale and Holder Assembly (metric)

Check out [this link](#) for a PERA webinar with Lake Speed Jr. and Ed Kiebler to see TraceBoss examples!

Contact

For additional information regarding the **new Honing Measurement software on Rottler hones**, please contact Ed Kiebler, Scott Rowe, Ryan Thompson, or Nick Jenkins via the emails listed below.

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