

PHAETON™

In-Plant Film Thickness Measurement
by **WOLF INNOVATION** and **DJH DESIGNS**

IT'S **FAST ACCURATE** AND **EASY** TO OPERATE

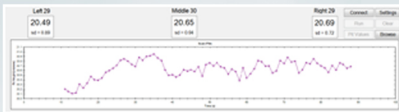
- MEASURES FULL WIDTH SAMPLES UP TO 5 FEET WIDE
- THE TOTAL MEASUREMENT CYCLE TIME IS 2 SECONDS
- UP TO 1500 MEASUREMENTS ACROSS THE FULL STRIP WIDTH

CHECK NOW

www.wolfinnovation.com/video.htm



- PROVIDES DETAILED TOTAL COATING THICKNESS PROFILE



E.g. - THIS SAMPLE SCAN SHOWS COATER ROLL ASYMETRY.

- INSTANTLY FIND COATER SET UP FAULTS INCLUDING
 - Out of balance coater
 - Out of shape coating roll – positive or negative crown
 - Non-optimal roll profile – localized ridges of valley
- OR JUST CHECK YOUR FILM THICKNESS QUICKLY AND ACCURATELY
- LAB QUALITY DATA: ACCURACY/REPRODUCIBILITY TO 0.0058 MILS

The PHAETON™ installed at your coil coating line's exit shear near the inspection station provides full strip width profile film thickness data in seconds. The results are instantly visible to the coater operator on a screen just outside the coater so that any set-up problems are identified and corrected immediately.

Measurements include thickness, average thickness at edge–middle-edge, standard deviation, and detailed thickness profile across the strip and at sheet edges.

The PHAETON™ can be installed on-line near the exit accumulator to give even faster coating results. A secondary display can be installed at the coater room.

PHAETON™ MODELS AVAILABLE: The Phaeton is available to suit sample length from 3 feet to 5 feet in 1-foot increments. The Phaeton™ on-line model is customized to exceed your coating line width.

● Principle of Operation

PHAETON™ uses a direct measurement approach - it's calibration free, regardless of paint or substrate type. The laser penetrates the coating to just touch the metallic substrate and to measure local point coating thickness. Film thicknesses from 0.3 (on al.) to 9 mils can be measured. The baseline for measurement can be adjusted to the top, bottom, or middle of the paint surface.

● Specifications

Dimensions

Sample Length	3 feet	4 feet	5 feet
Height	6.5 feet	8.5 feet	10.5 feet
Weight – Lbs.	100	110	110
Width	16 inches	16 inches	16 inches
Depth	10 inches	10 inches	10 inches

Power Supply – 240V 50Hz AC or 110V 50 Hz AC, 10 Amps
Laser 40 Watts CO₂; Services – unit to be vented

Software is licensed to the end user.
A software maintenance plan provides regular updates.
Access to the internet via a modem is required.

Computer Hardware – Windows based PC. Specifications are provided with your order confirmation.

An additional remote monitor at the coater room is available as an optional extra.

Warranty: 1 year from the time of shipping covering all parts and labor, but excluding shipping costs if needed. All main components are off the shelf and are available on normal commercial lead times.

Delivery: 4 weeks from the time of order placement and order confirmation.

AGENTS

Australia, New Zealand, and South East Asia

Wolf Innovation Pty Ltd
306/357 Glenmore Road, Paddington, NSW 2021 AUSTRALIA
Tel M +61 434155440
E-mail: udo@wolfinnovation.com

USA, Canada, and Europe

DJH Designs
2366 Wyecroft Road, Unit D4, Oakville, ON L6L 6M1 CANADA
Tel (905) 825-2750 Fax: (905) 825-3628
E-mail: John.henderson@djh.com

China

Shanghai Shanion Creative Electronic Ltd.
Tel 021-64850134 | M 13917955045
website: www.shanion.com

South Korea

DJH KOREA
경기도 성남시 중원구 상대원동 190-1 SKn테크노파크 메가동 911호
Tel : 031-423-2993, Fax : 031-776-0132
E-mail : dcpark@djh.co.kr
website: www.djh.co.kr

India

HRR ENGINEERS & CONSULTANTS (P) LTD.
551, UdyogVihar, Phase V,
Gurgaon 122016, Haryana, India
Tel +91-124-2340704/+91-98110-77118
Fax +91-124-2340703
E-mail: hcgar naik@hrrec.in