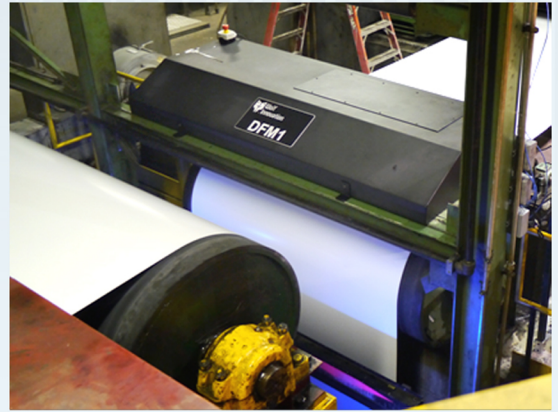


DFM1™

WOLF INNOVATION

On-Line Film Thickness Measurement

FAST - ACCURATE - EASY



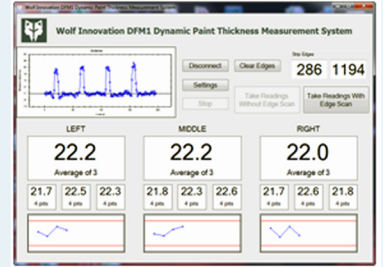
- WOLF INNOVATION DFM1 ONLINE THICKNESS INSTRUMENT WILL SAVE YOU MONEY
- INSTANT THICKNESS FEEDBACK IN SECONDS AS THE STRIP EMERGES FROM THE DRYER
- GET TO BETTER THAN 0.01 MIL (0.2 MICROMETRES) OF TARGET
- FAST ACCURATE FEEDBACK TO THE OPERATOR
- ELIMINATE MOST TEST STRIPS WITH CONFIDENCE
- AVOID LOW FILM BUILD PERFORMANCE COMPLAINTS AND PRODUCT FAILURES
- REDUCE OFF COLOR DEFECT BY UP TO 80%
- LAB QUALITY ACCURACY AND REPRODUCIBILITY TO +/- 0.005 MILS (0.1 MICROMETRES)
- MEASURES AND DISPLAYS STRIP WIDTH

Measurements include thickness, average thickness at edge-middle-edge, and standard deviation. The instrument is easily programmed to your requirements. **Wolf's DFM1 operates** in full automatic mode requiring no operator input. Measurement requirements are preprogrammed on a set and forget basis. Or you may want to take readings manually on command – it's easy and it's your choice. All results are stored in an archival database and past data is available at the press of a button.

DFM1™ installed just after your coil coating line's strip dryer and before the exit accumulator gives film thickness readings in 3 positions across the strip. The results are instantly visible at the control room and to the coater operator on a screen just outside the coater so that any set-up problems are identified and can be corrected immediately.

■ Principle of Operation

DFMs™ direct measurement technology means it is calibration free, regardless of the paint or substrate type. A laser measures the distance between the surface of the paint and the surface of the metallic coating through a tiny micropore in the coating. There is no effect on product performance, and this has been independently verified. Film thickness from 0.3 (on al.) to 9 mils (7 to 230 micrometres) can be measured. The baseline for measurement can be adjusted to the top, bottom, or middle of the paint surface depending on which measurement you require.



■ DFM1 Specifications

Dimensions

DFM1 spans across the entire strip width and overhangs each side of the support roll by 10" (250mm). The height is 350mm and the width is 550mm. The exact weight of DFM1 depends on your line width, however 200 Lbs. is a good guideline.

Power Supply – 240V 50Hz AC 50 Hz AC, 10 Amps. Laser - 40 Watts CO2.

DFM1 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: 10 weeks from the time of order placement and order confirmation.

■ AGENTS

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