

UV DYNAMOMETER

uv floor curing lab qualification system

A NEW WAY.....

The UV DYNAMOMETER: a new lab qualification system for UV coatings.

INSTANT START

Lighting system is instant on with no warm-up or cool down periods and no mechanical shutters.

LAPTOP AND SOFTWARE

System comes complete with DYNO, BULLDOG, laptop, custom software, and report writer.

VERSATILITY

Go from lab to job site in a fast, easy process.

The UV Dynamometer is a conveyor system that is used exclusively with HID Ultraviolet's Bulldog and Hammerhead series UV floor curing machines. It is a tool used by formulators to qualify UV coatings for wood, concrete, vinyl, or tile floors. The floor curing machine sits on top of the Dyno and samples of the floor surface can be run through the conveyor in order to achieve proper cure rates and to analyze the edge of the cured surface.



The Dyno has three axes: conveyor (controls the feed or cure rate), height (controls focus of lamp), and left/right slide rail (analyzes edge cure). USB ports on both pieces of equipment are used to connect to the laptop computer, which is part of the system, in order to control the process through the special software developed by HIDUV.

Radiometer type and thickness can be entered into the program and the Dyno will automatically adjust its height so that lamp focus is maintained. Conveyor speed can be set from 1 fpm (feet per minute) to 99 fpm. Clearance can be set from 0 to 3 inches in one thousandth of an inch increments. Vacuum draw down can be used for lightweight Laneta or drawdown cards. From paper to bricks, the Dyno package can

duplicate exactly what will take place on the job site making the development of UV floor coatings a fast and easy process. There is an embedded report writer to document and save all test data.

The complete package includes the Dyno, the Bulldog Floor Curing Machine, laptop computer, and software.

UV Dynamometer Specifications:

Machine:

Height: 12"
Depth: 24"
Width: 47"
Weight: 150lbs.
Power: 120V, 5A

Min. Height: 0
Max. Height: 3"
L/R Slide Adjust: 4"

Conveyor:

Width: 12"
Length: 42"
Min. Speed: 1 fpm
Max. Speed: 99 fpm
Accuracy: +/- 0.25 fpm

Features:

- Stepper drive for accurate conveyor speed
- Height adjust for maintaining lamp focus
- Vacuum draw down
- Slide rail for edge cure analysis
- Custom software that is easy to use
- Report writer

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Tomorrow's UV Technology... Today.