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USI, Introduces PRISM-1200 for Large, High- Precision Spray Coating Applications

Haverhill, MA, May 9, 2017 – Ultrasonic Systems, Inc. (USI) announced today the PRISM-1200, a high-speed, high performance spray coating system designed for demanding glass panel coating applications of up to 1.20m in process width. USI's proprietary, nozzle-less ultrasonic spray head technology is designed for the thin, uniform application of a variety of low viscosity aqueous and solvent based coatings such as anti-reflective, Cadmium Chloride (CdCl_2), anti-smudge, adhesion promoters, and other specialty coatings, to glass panels and other flat substrates. With coating transfer efficiency of up to 99% and finished film thicknesses down to the sub-micron level, the PRISM-1200 is designed for high-precision applications with substrate process widths of up to 1,200 mm (48 inches).

Designed to meet high throughput requirements, the PRISM-1200 features a programmable high-speed X-Y-Z gantry to process glass plates and other substrates up to 1.2 meters wide at a process speed of up to 3.3 meters per minute.

The system employs a unique bi-directional coating application sequence that

delivers an ultra-uniform coating layer to the substrate.

An advanced graphical Windows-based control interface drives all system components including the spray head motion, liquid delivery system and conveyor. The liquid delivery system features dual positive displacement liquid metering pumps for uninterrupted operation, as well as automatic process data logging.

The PRISM-1200 is compatible with a wide variety of coating liquids and features an automated spray head cleaning function.

About Ultrasonic Systems, Inc.

Ultrasonic Systems, Inc. (USI) manufactures high-performance spray coating equipment based on patented, nozzle-less ultrasonic spray head technology. USI's products deliver a superior alternative to conventional air-atomizing or ultrasonic spray nozzle solutions for the solar, semiconductor, fuel cell, medical, and electronics assembly markets. With thousands of installations across many industries worldwide, our team of technical experts is committed to providing the best technical, product, and application support available.