TECHNICAL DATA SHEET

12 kW UV Curing System

TECHNICAL DETAILS

- **Dimensions (LxWxH): 2000 x 1065 x 1455 mm | 6.5 x 3.5 x 4.75 ft.**
- **Weight: 920 kg | 2,028 lbs.**
- **Control: Siemens Simatic PLC**
- **Chassis: Aluminum Lightweight**
- **Flexible: Can be integrated into a box truck**



Vortex UV Curing System

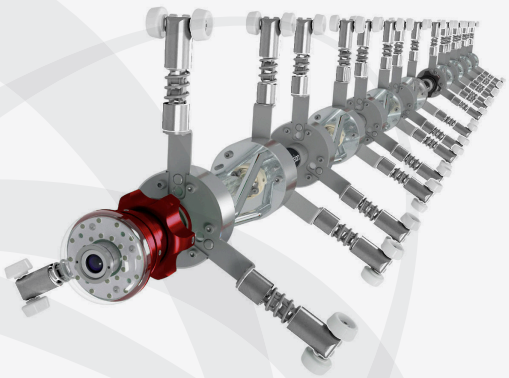
PLC CONTROL AND SUFFICIENT POWER FOR UV CURING UP TO DN 1600 | 63"

The Vortex UV curing system cable drum with PLC control features a high strength aluminum frame, weighing only 920 kg | 2,028 lbs. All equipment can be operated via the PLC with a brightly illuminated Siemens SIMATIC touch screen located at the front of the unit.

The cable drum is electrically driven, has a cross guide spindle and built with 305 m | 1,000 ft. of heat-resistant UV curing cable. The cable drum also has an automatic freewheeling system and features interior lighting.

TECHNICAL DETAILS

- **Pipe Dimensions:**
  Circular Profiles
  DN 150 - DN 600 | 6"-24"
  Egg Profiles
  DN 200 - 300 | 8"-12"
  DN 500 - DN 750 | 20"-30"
- **400-650W lamps: 8 Pcs.**
- **Total Power:**
  2600W - Use of 1 Light Chain (Single Section)
  5200W - Use of 2 Light Chains (Both Sections)
- **IR Sensors: 3 Pcs.**
- **Ambient Air Sensor: 1 Pc.**



LIGHT CHAIN DN 150 - 600 | 6"-24"

The Vortex Light Chain has eight centrally arranged and power-controlled UV lamps from 400-650W, depending on the pipe diameter.

Features a split light chain design for ease of maneuverability, transport, wheel setup and liner cure assurance. For instance, if a wiring issue arises within one of the light chains, you can continue to cure liner at half speed using the other connected light chain.

With the help of a front and back camera, the quality of the UV liner can be monitored while the chain is being pulled through. The sensors installed in the chains provide information about temperature development in the liner.

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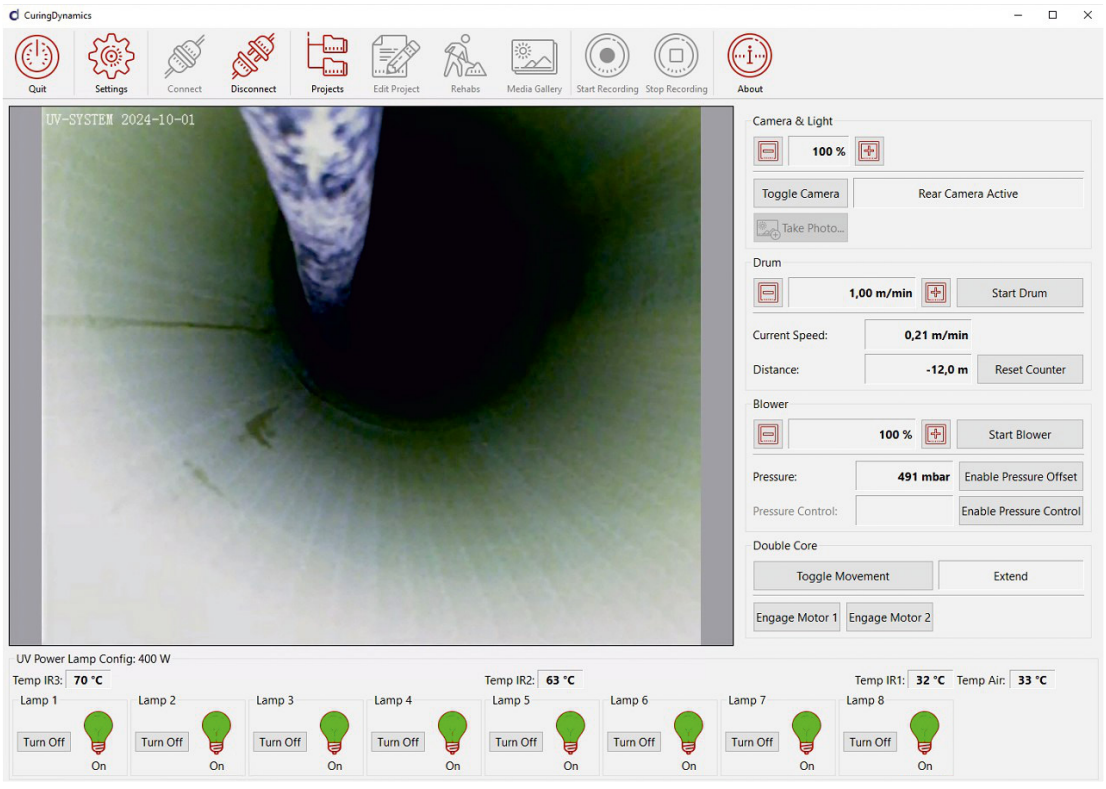
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VORTEX

LOGGING OF CURING PARAMETERS

Vortex logging software conveniently records all curing-relevant parameters, as well as the video signal. This data can then be saved as a PDF document and submitted to the client to validate proof of completion. All system functions can be performed from the work station.

A remote access feature (internet connection required) allows a connection to the system from the outside, at any time. This is helpful when unexpected problems occur during the curing process, and a quick decision must be made.



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