

12 kw UV Curing System

TECHNICAL DETAILS

- **Dimensions (LxWxH):** 6.5 x 3.5 x 4.75 ft. | 2000 x 1065 x 1455 mm
- **Weight:** 2,028 lbs. | 920 kg
- **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 72" | DN 1800

The Vortex UV curing system cable drum with PLC control features a high strength aluminum frame, weighing only 2,028 lbs. | 920 kg. 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 1,000 ft. | 305 m 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
6"-24" | DN150-DN600
Egg Profiles
8"-12" | DN200-300
20"-30" | DN500-DN750
- **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 6"-24" (DN150-600)

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 installation can be monitored while the chain is being pulled through. The sensors installed in the chains provide information about temperature development in the liner.



TRUCK DETAILS

- 18' (Non-CDL) & 26' (CDL) Box Options
- Customized interior, control room and work space (per spec)
- Vortex UV Cable Drum
- UV PLC Control system
- On Board Computer
- UV Curing "Plug-Cam"
- UV Packer set (per spec)
- Training & Commissioning



Vortex UV CIPP Truck

CUSTOM-BUILT TO YOUR SPECIFICATIONS

Vortex will custom-build a UV CIPP truck featuring a completely self-contained installation system. Designed for durability, efficiency and comfort Vortex UV CIPP trucks are built to withstand the rigorous, daily demands of your team on the jobsite.

From a comfortable and ergonomic control room to a spacious work area located opposite the UV system, you are set for every job.

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 successful installation and completion. All system functions can be performed from the work station.

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

