


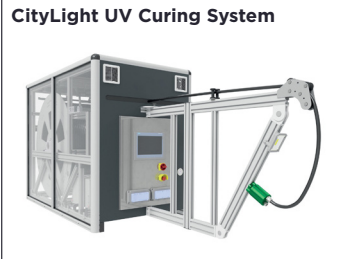

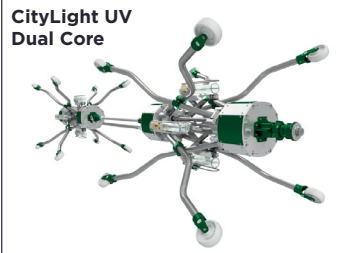


Equipment Portfolio

EQUIPMENT	DETAILS
<p>UV Rigs</p> 	<p>Vortex works in partnership with you to customize a UV-CIPP rig for your specific needs. Delivered in a pull behind or box truck, giving you the right rig for your crews and your needs.</p>
<p>UV 7800</p> 	<p>Consistent and Reliable UV Curing with IMS</p> <p>With this UV system from IMS Robotics, you can cure all approved liners with nominal diameters between 6"-48" 150mm x 1200mm. You have the choice between different light sources - depending on power and pipe diameter. The cable length of up to 688 ft. 210m ensures uninterrupted work and thus high-quality results. Adjustment and control are via a touch panel, which makes the UV 7800 quick and easy to use. The integrated powerful PC ensures that all necessary data is collected. Thanks to the W-LAN interface and various USB ports, reports can be easily exported as evidence. With every UV system from IMS Robotics, you will receive a comprehensive briefing from our experts.</p>
<p>UV 8000 Compact</p> 	<p>UV Curing System for Medium and Large Sewer Mains</p> <p>The IMS UV 8000 curing system comes standard with a cable drum and two UV light sources, ranging from 8 x 400 to 8 x 1000 watts - depending on the nominal size of the main sewer to be rehabilitated. The UV 8000 cable drum includes up to 850 ft. 259m of temperature-resistant curing cable, an integrated ignition system and an integrated control unit. This allows the curing process to be precisely configured, monitored, and evaluated using the recorded data. In addition to the fixed components, you have the choice of various options and accessories. With every IMS UV system, you will also receive comprehensive training from our product and equipment experts.</p>
<p>CityLight UV Curing System</p> 	<p>SPS Control and Sufficient Power for UV Curing Up to 80" DN2000</p> <p>The CityLight® UV curing system cable drum with PLC control features a high strength aluminum frame, weighing only 1,675 lbs. 675 kg. All equipment can be operated via the PLC with a brightly illuminated Siemens SIMATIC touch screen located at the front of the unit.</p> <p>The cable drum is electrically driven, has a cross-guide spindle and can be built with either 650 or 985 ft. 200 or 300m of heat-resistant UV curing cable. The cable drum also has an automatic freewheeling system and features interior lighting.</p>
<p>CityLight UV Light Chain</p> 	<p>Light Chain 6"-24" DN150-DN600</p> <p>The Hurricane® Light Chain has eight centrally arranged and power-controlled UV lamps from 400-650W, depending on the pipe diameter.</p> <p>With the help of a front- and back-eye 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.</p>
<p>CityLight UV Dual Core</p> 	<p>Dual Core 24"-64" DN600-DN1600</p> <p>The Hurricane® Dual Core is used to efficiently cure resin-impregnated glass fiber liners from 24"-64" DN600-DN1600. Each core has four radially arranged UV lamps, each with 1000-1500W.</p> <p>In its folded state, the core can be quickly and easily inserted into the shaft or pit through the UV packer.</p>