BWELL

TAMBORA100S

Introduction

TAMBORA100S is a high-performance UV curing system designed for the rehabilitation of pipelines with diameter ranging from DN150 to DN1200. Engineered for flexibility, precision, and field efficiency, the system is ideal for a wide range of cured-in-place pipe (CIPP) lining applications across municipal and industrial settings.

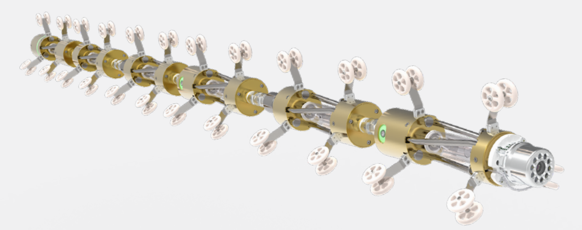
The system comprises a compact mobile control unit, extendable UV light chains, and a suite of auxiliary tools—all optimized for rapid deployment and efficient operation. The control unit features an integrated 100m cable drum and a robust all-in-one design, compact enough for installation on engineering vehicles or small vans. This mobility makes it particularly suitable for urban environments with limited access.

TAMBORA100S offers two interchangeable curing modules—a UV light chain and an adjustable light core unit—allowing operators to match the configuration to specific pipe diameters and project needs. The light chain features an exclusive "snake-bone" articulated structure that ensures high maneuverability without compromising structural durability. It integrates three lighting sections, each fitted with two UV lamps (total six lamps), providing dense and uniform curing coverage. Lamp power is adjustable from 400W to 1000W, enabling precise control based on liner material and curing speed requirements.

The light core is a motorized, expandable curing unit that adapts automatically to pipe diameters, ensuring optimal light positioning and intensity. Like the chain module, its lamp output is continuously adjustable within the same power range, with no mechanical limitations on configuration.

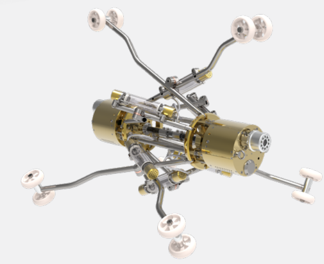
All operational functions are managed via a wireless tablet interface, integrating video inspection, real-time control, and environmental monitoring. The system records and stores critical parameters such as temperature, pressure, and curing speed, generating a full engineering log for project documentation. Video footage can be directly exported to external storage for post-inspection review.

From its modular curing technology to its advanced data handling capabilities, TAMBORA100S sets a new benchmark for UV CIPP rehabilitation—offering the reliability, adaptability, and precision demanded by today's trenchless infrastructure professionals.



LC150S

- 2x3x1000W.
- Adjustable Wheel Sets: DN150 to DN800.
- Lamp Power Setting: 400-1000W.
- Full HD High-temperature-resistant Camera: 2.0 Megapixels.



LC800S

- 1x6x1000W.
- Electrical Expandable Wheel Sets: DN800 to DN1200.
- Lamp Power Setting: 400-1000W.
- Full HD High-temperature-resistant Camera: 2.0 Megapixels.
- Structure: cross-arranged mercury lamps ensure curing quality.

Features

Visualized Repair

Enables live video monitoring of curing progress and lamp chain movement inside the pipe.

Visual Window

Allows clear monitoring of cable movement, helping to prevent tangling.

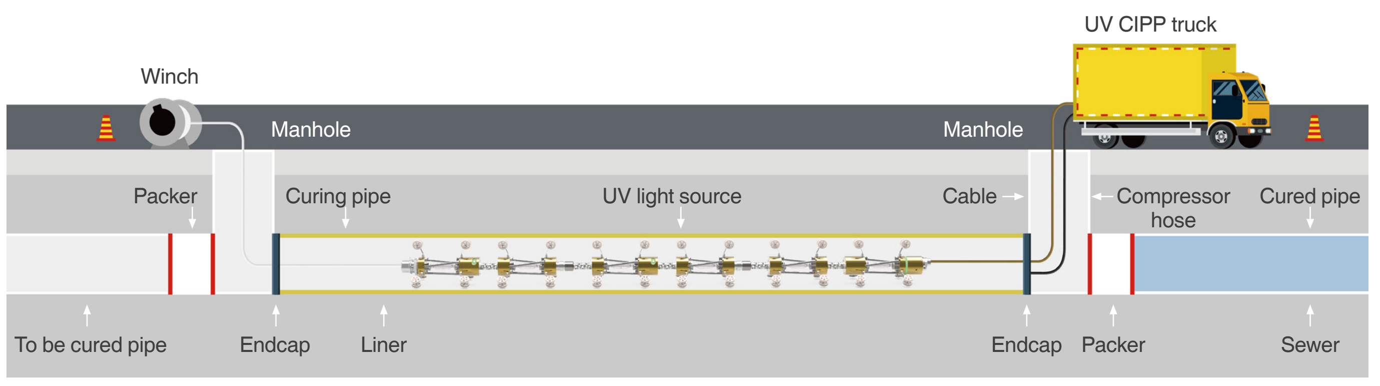
100m Cable

Ideal for a common rehabilitation need.

Compact Design

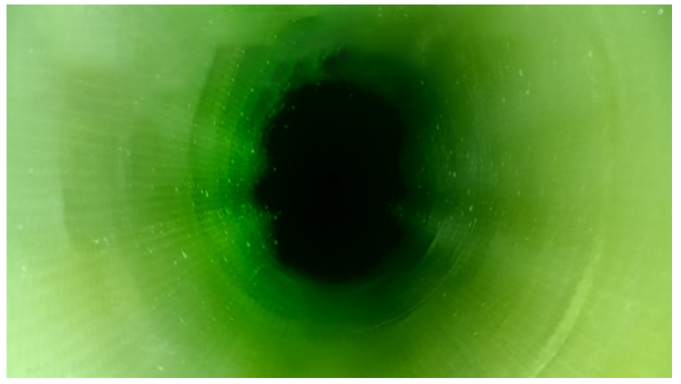
Easy transport and quick setup at locations.

Applications



Before

After



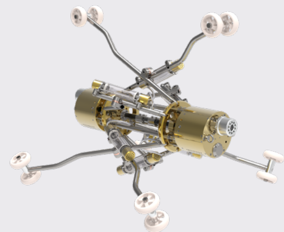
Specifications

Main Unit

Deployment range	DN150-DN1200
Dimensions	883×496×980mm
Weight	approx. 190kg
Drive system	digitally integrated
Cable drum integrated	
Cable length	100m
Cable tension	300kg
Cable winding/unwinding	motorized/manual

Control Unit

Dimensions	11 inch
Weight	approx. 480g (excl. pad case)
Operating system	Android
Display resolution	1920×1200P
Display information	time, distance,text input, lamp power setting
Data storage	128G
Connections	wireless
Data transmission	Wi-Fi

	 LC150S (2×3×1000W)	 LC800S (1×6×1000W)
Wheel sets	DN150-DN800 (adjustable)	DN800-DN1200 (electrical expandable)
UV Lamp power setting	400-1000W	400-1000W
Camera resolution	Full HD, 2.0 Megapixels	Full HD, 2.0 Megapixels
Permissible ambient temperature	0°C~150°C	0°C~150°C
Temperature sensor	√	√

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