Application Case



Shenzhen Shiyan Application

Diameter: DN800mm
Pipeline Type: Rainwater Pipeline
Equipment: SROD G6000
Power: 6000W
Material: 10mm
Temperature: 150℃
Curing Speed: 0.8m/ min
Length: 100m

Yichun Yuanzhou Application

Diameter: DN300 - 800mm
Equipment: SROD G6000
Project: Total 1800m
Temperature: 150℃
Project Time Limit: 40 days



SROD ROBOTICS

G6000

Mini Portable UV Curing Rehabilitation System

- √ *Front view + rear view camera*
- √ *6×1000W UVA lamp driver unit*
- √ *PLC Auto / Manual Control Mode*
- √ *DN150~800*



Product Introduction

The SROD G6000 is a compact UV-CIPP curing system specifically designed for the rehabilitation of small and medium-sized pipelines in municipal sewer networks, wastewater systems, and residential drainage networks. It is suitable for rehabilitation pipelines ranging from displacement, leakage, and corrosion.

The system allows operators to freely adjust the UV lamp power through software, providing optimal curing performance for different liner materials and pipe diameters. Equipped with multiple high-precision sensors, it ontinuously monitors liner wall temperature, ambient air temperature, and internal pressure to maximize curing quality and project success.



Key Features

Designed for UV curing rehabilitation of DN150-800mm pipelines; Ideal for repairing pipeline collapse, deformation, joint displacement, leakage, and corrosion

Software-controlled UV lamp power adjustment for different liner materials and pipe diameters

Compact vehicle-mounted design, suitable for installation in vans or light trucks, allowing easy access to narrow streets, residential communities, and urban areas where large vehicles cannot operate

Multiple sensors accurately monitor liner wall temperature, air temperature, and internal pressure,improving curing reliability

Compatible with various UV-CIPP liners and construction applications

Front camera: 2 MP; Rear camera: 4 MP for real-time monitoring during curing

System Components



Main Unit & Cable Drum



Curing Lamp Assembly



UV Liner Material

G6000 Specifications	
Pipeline Diameter	DN150 - 800mm
Maximum Power Rate	6000W
Lamp Assembly Configuration	6 × 1000W
Camera	Front camera: 200W ; Rear camera: 400W
Cable	100 m length, Ø20 mm, temperature resistance up to 150°C,high tensile strength
Curing Speed	Up to 2m/ min
Power Supply	380V 50Hz
Equipment Dimension	1150×750×1150mm
Equipment Weight	260kg
Main Unit Power	About 7KW (excluding blower)
Control Mode	PLC auto/ manual control modes
Safety Features	Overload protection, emergency stop button,and status indicator lights

Application Show



