应用案例 Application Case



Anhui Xuancheng Application

Diameter: DN1500mm
Pipeline Type: Rainwater Pipeline
Equipment: SROD G9000
Power: 9000W
Material: 15mm
Temperature: 150°C
Curing Speed: 0.8m/ min
Length: 200m

SROD ROBOTICS

G9000

UV Curing Rehabilitation System

- √ *Front view + rear view camera*
- √ *6×1500W UVA lamp driver unit*
- √ *PLC Auto / Manual Control Mode*
- √ *DN150~1600*



Product Introduction

The Golden Cicada G9000 is a high-performance UV-CIPP curing system designed for municipal pipeline rehabilitation across a wider range of pipe diameters. It is suitable for rehabilitating pipelines from DN150 to DN1600, meeting the requirements of both medium and large-diameter sewer rehabilitation projects.

The system features a 15.6-inch industrial touchscreen PC integrated with a high-performance control system. Operators can freely adjust the UV lamp output via software to accommodate different liner materials and pipe diameters. During the curing process, all construction information and operating parameters are automatically recorded and compiled into a comprehensive PDF curing report for quality assurance and project documentation



Standard Large Lamp Assembly

Key Features

Suitable for UV curing rehabilitation of DN150–1600mm 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

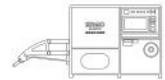
Automatically records construction information and all curing parameters throughout the entire process;Generates comprehensive PDF curing reports for quality control and project documentation

Built-in alarm system continuously monitors equipment status, preventing operational errors and minimizing the risk of equipment damage

Equipped with an electronic ballast, enabling precise software-controlled adjustment of UV lamp output to optimize curing performance for different applications

Simultaneous display of the system operation interface and live curing video for enhanced monitoring

System Components



Main Unit & Cable Drum



Curing Lamp Assembly



UV Liner Material

G9000 Specifications	
Pipeline Diameter	DN150 - 1600mm
Maximum Power Rate	9000W
Lamp Assembly Configuration	6×1000W, 6×1500W
Camera	Front camera: 200W ; Rear camera: 400W
Cable	150 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	2085×750×1170mm
Equipment Weight	450kg
Main Unit Power	About 10KW (excluding blower)
Control Mode	PLC auto/ manual control modes
Safety Features	Overload protection, emergency stop button,and status indicator lights

Application Show



