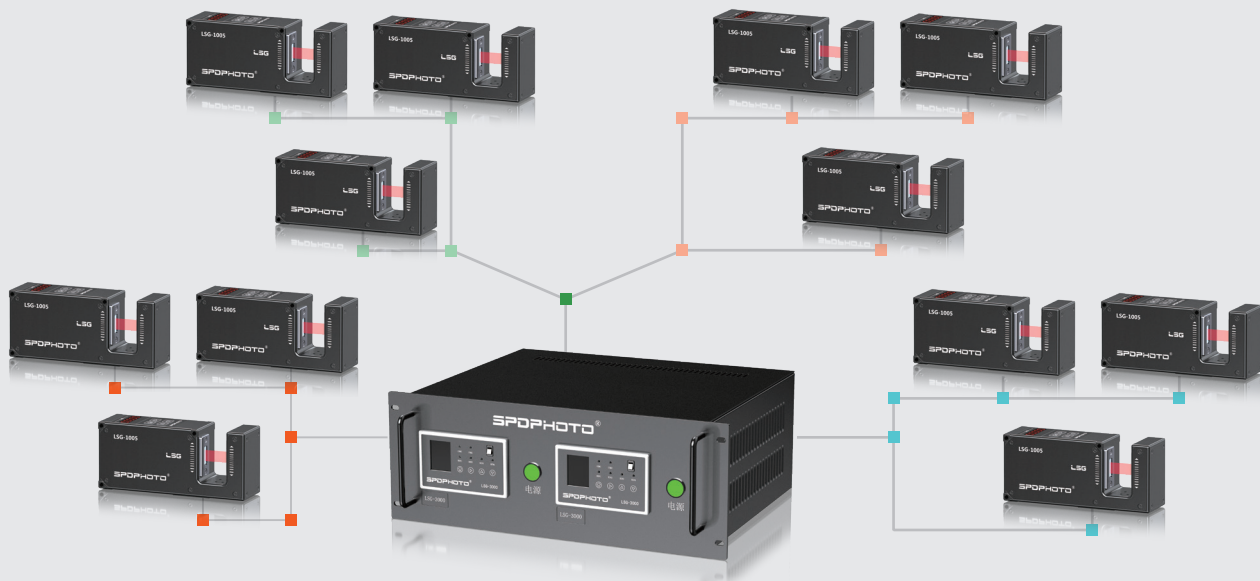# LSG-3000
多头集成激光测控系统

Multi-Sensor Integrated Laser
Measurement and Control System

适用于以下产品测量
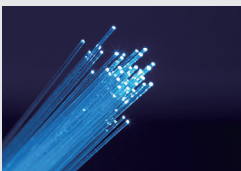Measurement for

● 金属微拉丝
micro-drawn wire

● 漆包线
enameled wire

● 金属丝
tinned wire

● 光纤
optical fiber

产品简介及特点 Product Introduction and Features

LSG-3000 多头集成激光测控系统为高性价比的在线外径检测系统，可最多驱动 48 套外径检测传感头。
传感头体积小，安装维护方便。

● 系统最多支持 32 条生产线同时检测
● 高性能红外光源，低功耗、寿命长。
● 先进制程光学透镜。
● DSP 高速数字处理技术，精准、高效。

The LSG-3000 Multi-Head Integrated Laser Measurement and Control System is a high-performance-to-value in-line OD testing system that can drive up to 48 sets of OD measurement sensor heads.
The sensor head is small in size and easy to install and maintain.

● The system can support the simultaneous detection of up to 32 production lines.
● High-performance infrared light source, low power consumption and long lifespan.
● Advanced process optical lenses.
● High-speed DSP digital processing technology for precision and efficiency.

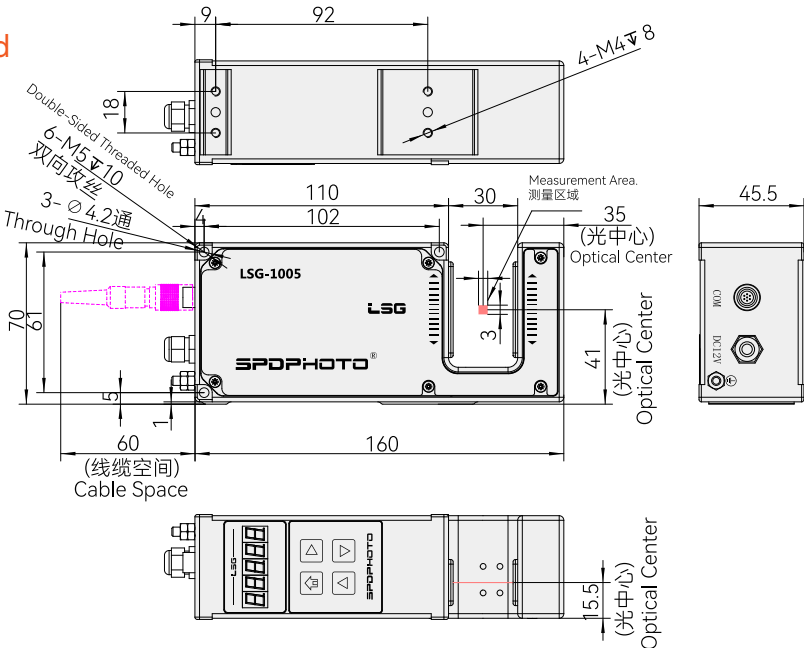## 多功能数据处理软件 Multifunctional data processing software

数据曲线实时显示，便于直观的查看，数据可导出。
根据需要可以随时打印多检测传感器的测量数据，记录保存并备份。

Data curves are displayed in real time, making it easy to visualize. Data can be exported.
Measurement data from multi-detector sensors can be printed at any time as needed. Records are saved and backed up.

产品技术指标 Technical Specifications

产品型号 (Product model)	LSG-3000
测量范围 (Measuring range)	0.015-3mm
最小分辨率 (Min-Resolution)	0.0001mm
测量精度 (Accuracy)	±0.3μm±0.01%*D
重复精度 (Repeatability)	±0.1μm±0.005%*D
采样频率 (Scanning frequency)	800Hz
报警输出 (Alarm output)	24V，1A(触点负载)(contact load)
PI 控制 (PI control)	选配 (Optional)
通讯 (Communication)	RS-485/MODBUS 协议
环境温度 (Temperture)	0 至 +50℃ (32 至 122°F)（0 to +50°C (32 to 122° F))
环境湿度 (Humidity)	35% 至 85% RH, 无凝结（35% to 85% RH, non-condensing)
供电电源 (Power supply)	AC220V 50Hz

测量头
Measurment head

控制器
controller