

Built for Cables. Designed for Precision.

HERTEN LASER | Your Best Choice for Cable Laser Printer



6500+
Installed Capacity



87+
China Top 100 Cable Makers



57+
Countries Covered



2500+
Global customer Count

20 Years Focus on Cable In-line Marking & Length Control



Beijing Headquarter Center:

No.38, Donghuochang Road, Fengtai District, Beijing

Tianjin Production R&D Center:

Building 44, Fortune Xingyuan, , Wuqing District, Tianjin

East China Service Center:

Huishan Economic Development Zone, Wuxi City, Jiangsu Province

Central China Service Center:

Donghu High tech Development Zone, Wuhan City, Hubei Province

South China Service Center:

Science City, Huangpu District, Guangzhou City, Guangdong Province

Taiwan Service Center:

Lane 33.Lane 600 Daquan Rd.,Dayuan Dist. Taoyuan City

Russian service center:

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Herten[®] Laser
LASER SYSTEM

CABLE LASER MARKING



Wire & Cable Laser Marking Selection Manual

20
2006-2026 | **Herten[®]**

Since 2006

20 YEARS. ONE FOCUS.

PERFECTING CABLE LASER MARKING.

Enterprise Certification
Craftsmanship Speeds Up the Future



Herten Laser: Better, Faster, Cost-Effective

Founded in Beijing in 2006, specialize in Cable&Wire laser printing

- 2012** Cooperated with TBEA to develop the 1st-generation unit, solving critical marking challenges for mining cables.
 - 2013** Established Wuxi office and launched the 2nd-generation products.
 - 2014** Supplied multiple leading cable manufacturers; the 3rd-generation machines compatible with full ranges of wires and cables.
 - 2015** Obtained CE and FCC certifications; products exported to overseas markets.
 - 2016** Set up Guangzhou office to cover South China market.
 - 2020** Tianjin R&D & production center put into operation for expanded capacity and quality upgrading.
 - 2021** Wuhan office founded; rolled out Ecode marking solutions.
 - 2022** Certified as a National High-tech Enterprise; released the 7th-gen intelligent machine with a maximum marking speed of 900 m/min.
 - 2023** Participated in drafting the group standard Guidelines for Selection of Ecode Marking for Wires, Cables, under the Identification System (T/CEEIA 689-2023).
 - 2024** Attended multiple overseas exhibitions to boost global brand influence of Herten.
 - 2025** Covered over 57 countries worldwide; served more than 2,500 global clients with 6,500 installed units, including 87+ top 100 domestic cable manufacturers.
 - 2026** Launched high-speed flying marking machines with 1.5x faster processing speed; rolled out high-precision length measuring solution with accuracy improved to 0.02%.
- Up to now**, we adhere to a strict high-standard service system, helping cable manufacturers worldwide overcome all technical difficulties in marking and length measurement.

For the future, we will stay committed to professionalism, innovation and premium service, empowering the global wire & cable industry.



Company Profile



Global Presence · 24/7 Full Global Service

Overseas Exhibition & One-Stop Technical Support

Herten Laser expands global market through frequent overseas exhibitions, conducting face-to-face communication, equipment demonstration and professional technical training with worldwide customers.

We provide full one-stop after-sales services including on-site installation, commissioning and field maintenance. 24/7 global remote technical guidance offers instant problem-solving, ensuring stable and efficient operation for all overseas production lines.

STRATEGIC PARTNERS

**6500+**
Installed Capacity

**87+**
China Top 100 Cable Makers

**57+**
Countries Covered

**2500+**
Global customer Count



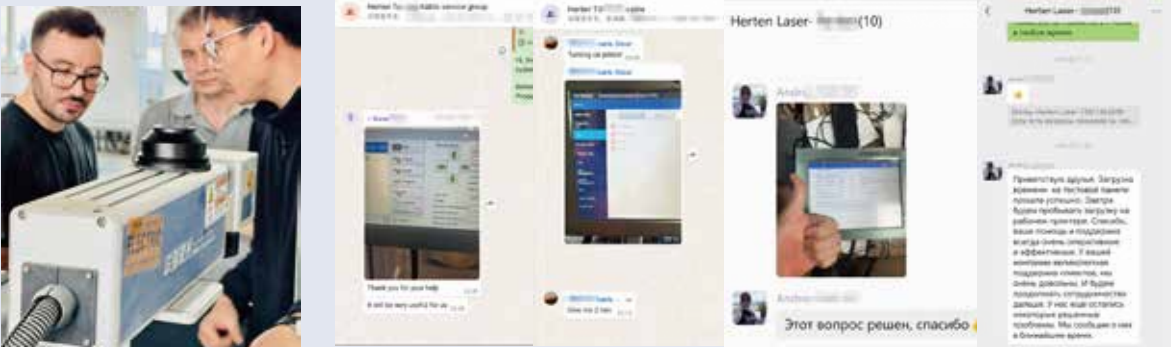
Global exhibition tours, meet international clients



On-site equipment demo & technical briefing

Overseas factory installation & commissioning

One-on-one deep business discussion



Field after-sales visit & maintenance

24/7 global remote technical support



Brand-New 8th-Generation Intelligent Laser Marking System

Digital Systems Redefine Cable Production's Marking, Metering & Traceability

Build a full-coverage hierarchical product matrix to precisely match high-end smart factories.

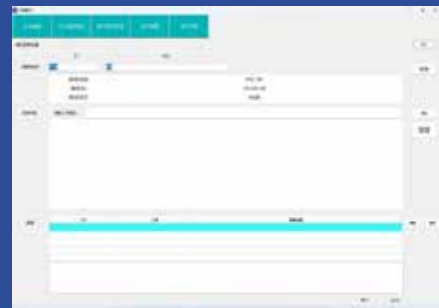
Flying-Marker™ flagship series, U Series for new energy automotive wiring harnesses, G Series for medium & high voltage conductors, C Series for standard mass production, B Series economical basic models. It fulfills digital marking & metering requirements for low-voltage cables, special cables, EV harnesses and medium & high voltage cables, covering conductor, insulation and sheathing processes.

Full digital management system equipped onboard.

Real-time workshop monitoring dashboard, MES cloud database, production line shutdown early warning, automatic summary of output & length traceability data, realizing one-stop factory digital upgrading.

Centralized Control SAAS System

Cloud & local dual deployment, batch work order release, auto marking content generation



Visual Dashboards

Real-time data update, early anomaly alert, remote workshop production monitoring



MES Digital MES Interconnection

Three-level system interconnection, linking business-workshop-equipment for automatic work order flow



Co-drafting Member of Group Standards



Exclusive Customization for Cables



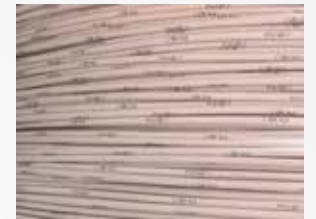
5 Patented Intelligent Laser Marking Systems

01 Flexible Changeover

NPS Flexible production setup, minimizing material waste

NPS Length Setting System

- Built-in cable database
- One-click batch creation
- Automatic length switching & alarm
- Integrated marking & metering



02 Error Prevention & Traceability

APS One-item-one-code, full quality traceability

APS Full-Code Traceability System

- Multi-mode connection support
- Unified QR code & text output
- Remote marking preview
- Complete process data traceability



03 Automatic Data Collection

MPS Auto data matching to eliminate marking errors

MPS Error-Proof Marking System

- One-click data import
- Adaptive template & font size
- Quick switching without shutdown
- Instant scanning & application



04 System Interconnection

MES Seamless connection for smart factory management

MES Digital Linkage System

- Supports mainstream network protocols
- Automatic data distribution
- Intelligent report generation
- Full data query & traceability



05 Cost Saving & High Efficiency

CPS Precise metering to control production loss

CPS Bidirectional Length Metering System

- Bidirectional counting auto-calculation
- Three-level splitting alarm
- One-click specification switch
- Accurate segment compensation





Series

Ultra-High-Speed Flying Mark Series Laser Marking **Speed Up to 1200 m/min**

Customer Pain Points

High-speed production lines above 400 m/min, blurry marking, missing and skipped codes frequently occur. The light source ages rapidly and requires frequent maintenance. Optional intelligent modules come with high costs; the equipment cannot connect to digital production lines smoothly

Core Advantages Product Values

- ✓ Ultra-Fast Marking for High-Speed Production Lines
- ✓ New Light Source, Lower O&M Costs
- ✓ Standard 5 Intelligent Systems for Digital Management
- ✓ Digital Interconnection for Unmanned Factories
- ✓ Hardware Fault Self-Check & Alarm Flashing light and audible alarm for quick fault detection.



Application Scope

High-temperature wires, building wires, aerospace wires, new energy vehicle cables, photovoltaic cables, control cables, special cables, military-grade wires, nuclear power cables, etc.

Product Positioning

Dedicated Machines for High-speed Unmanned Digital Cable Production Lines High-speed, Energy-saving, Low-maintenance & Intelligent 5 Intelligent Systems Standard Built-in, No Extra Optional Expenses



High speed



Energy saving



Worry-saving



Intelligent

Leading Brand of Laser Marking Equipment for Cable Industry

All new Flying Mark Series

Technical Parameters

Laser Power:	10WD/15W/20W/30W
Machine Weight:	Main part: 45 kg
Accessories:	50 kg
Machine Construction:	All-aluminum Structure
Power Requirement:	220V; 50/60Hz; ≤1200W
Applicable Wire Diameter:	≥0.5 mm
Cooling Method:	Water Cooling
Communication Interfaces:	Supports Wi-Fi, RJ45, RS232, USB, Type-C. Reserved signal input port.
Marking Content:	Multi-language texts, characters, numerals, single/double-line fonts, custom font library available, LOGO, auto-increment serial numbers, real-time time, QR codes, etc.

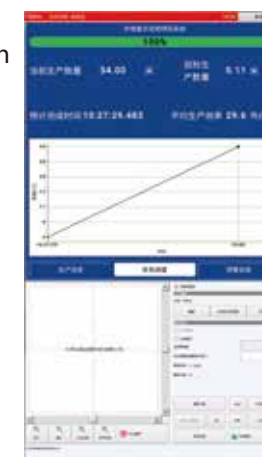


Production Process Management

Real-time Monitoring of Production Information

Early Warning & Risk Prompting

Task Progress Statistics & Review



Flying Mark Series Applicable To

Materials: Color PVC, PE, XLPE, TPE, LSZH, photovoltaic cable materials, fluoroplastics, silicone rubber, EPR, etc.

Note: The production speed is related to cable material and light absorption rate of the color.

U Series

APPLICATION SCOPE

High-temperature wires, building wires, aerospace wires, New energy vehicle cables, Solar cables, control cables, Special cables, military-grade wires, nuclear power cables, etc.



Technical Parameters

Laser Power:	5W,10W/15W/20W/30W
Machine Weight:	Main part: 45 kg
Accessories:	50 kg
Machine Construction:	All-aluminum Structure
Power Requirement:	220V; 50/60Hz; ≤1200W
Applicable Wire Diameter:	≥0.5 mm
Cooling Method:	Water Cooling
Communication Interfaces:	Supports Wi-Fi, RJ45, RS232, USB, Type-C. Reserved signal input port.
Marking Content:	Multi-language texts, characters, numerals, single/double-line fonts, custom font library available, LOGO, auto-increment serial numbers, real-time time, QR codes, etc.



Production Process Management

- Real-time Production Monitoring
- Risk Warning & Alert Notification
- Task Progress Statistics & Review

U Series Applications

Materials: Colored PVC, PE, XLPE, TPE, LSZH, PV cable, fluoroplastic, silicone rubber, EPDM, etc.

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On-site Applications



Note: The production speed is related to cable material and light absorption rate of the color.

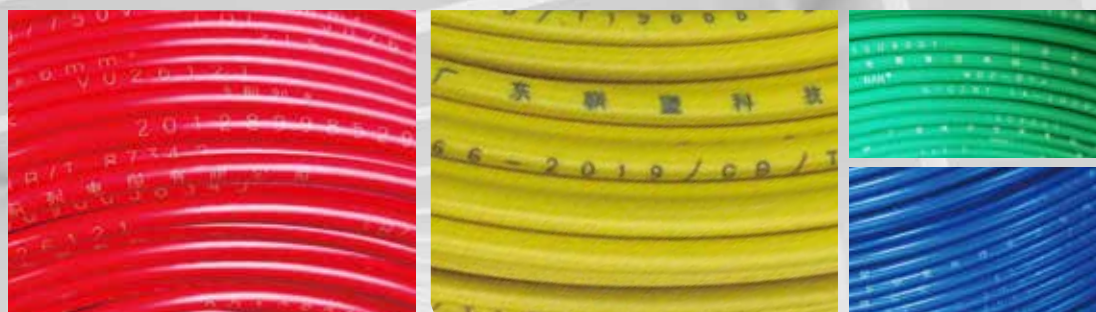


High speed Energy saving Worry-saving Intelligent

MARKING EFFECT

PVC Materials

Low-voltage Power and Building Cables



LSZH Material

Rail Transit Fire Cables



MARKING EFFECT

New Energy LSZH Materials

New Energy PV Cables



New Energy Silicone Rubber & TPE Materials

EV Internal & External Cables



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On-site Applications



On-site Applications



MARKING EFFECT

XLPO materials

For rail transit, fire-resistant and nuclear power cables



High-temperature fluoroplastic materials

For special high-end precision cables



TPU\TPE\PUR materials

Robot Drag Chains Cables



HDPE\XLPE\PEEK\PTFE\SILICONE RUBBER\ EPR materials

Power, Aerospace, High-Voltage & RF Cables



Machine Features

- ✓ One-click generation of cable mark library
- ✓ Automatic meter counting function
- ✓ Simultaneous marking of cable marks and meter markers
- ✓ Automatic spool change & splitting
- ✓ Permanent marking
- ✓ Real-time communication
- ✓ Automatic cable mark switching
- ✓ Early warning function

Equipment Features

- ✓ Crisp OEM-approved fonts
- ✓ OEM traceability available
- ✓ Heat & corrosion resistant, no fade-off
- ✓ Passes all standard tests

G Series

APPLICATION

Power Cable Overhead Cable Submarine Cable
Optical Fiber Cable Fire-resistant Cable
High Voltage Cable Control Cable Special Cable



Technical Parameters

Laser Power:	30W-200W
Main Machine Packing Sizes:	740*720*340(mm)
Machine Weight:	39kg
Accessory Packing Sizes:	1530*340*260(mm)
Accessory Weight:	31kg
Machine Material:	Aluminum
Power Demand:	220V;50/60Hz;≤500W
Cable Diameter:	≥1mm
Cooling system:	Air cooling
Communication Interfaces:	Wi-Fi, RJ45, RS232, USB, Type-C supported; reserved external signal input port.
Marking Content:	Chinese,English,Number,Single word double line,Customized fonts,Logo,Automatic serial number,Real time,QR code etc.



Production Process Management

Real-time Monitoring
Early Warning Alerts and Risk Alerts
Task Progress Tracking | Review & Analysis

G Series applicable to

Materials: Black PVC+PE+XLPE+TPE+LSZH+PV+ Fluoroplastic,Silicon Rubber,EPR, and metal conductors.

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Application Site ➡



-
- High speed
-
- Energy saving
-
- Worry-saving
-
- Intelligent

MARKING EFFECT

PVC\PE\LSZH Sheath

HV&HV Power Cables



Power Cable Ecode Quality Traceability

PE\XLPE Insulation

Overhead Cables



PE\HDPE Insulation

Optical Fiber Cables



Machine Features

- ✓ One-Click Cable Number Library Generation
- ✓ Automatic Number Switching & Reel Changeover
- ✓ Real-Time Warning & Alert System
- ✓ Simultaneous Cable Number & Meter Marking
- ✓ Permanent Meter Marking with Automatic Meter Counting
- ✓ Real-Time Communication & Data Connectivity

MARKING EFFECT

PE\XLPE Insulation

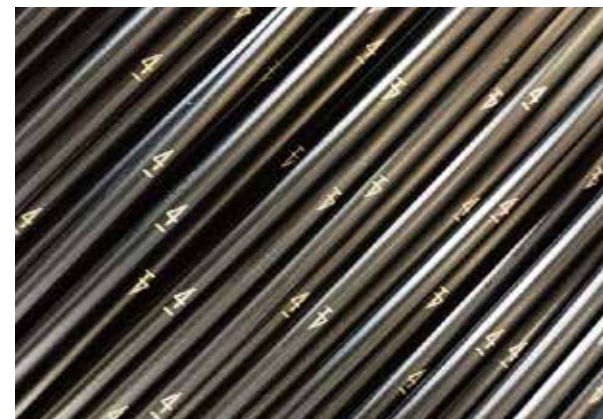
HV&HV Power Cable Insulation



PVC\XLPE Insulation Materials, Control Cables

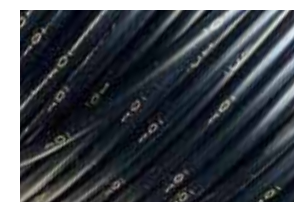
Metal Materials

Copper & Aluminum Conductors and Metal Fire-resistant Cables



PE\HDPE

PE\HDPE Sheath Materials, HV and Submarine Cables



Machine Features

- ✓ Clear and aesthetic marking, cable manufacturers approved fonts
- ✓ Traceability integration per cable manufacturer's requirements
- ✓ High-temperature resistant, corrosion-resistant and non-peeling marking
- ✓ Markings compliant with multiple test standards

C Series

- 
High speed
- 
Energy saving
- 
Worry-saving
- 
Intelligent

APPLICATION

Colored Low Voltage Power Cables, Rubber Cables, Mining Rubber Cables, Building Wires, High Voltage Cables, etc.



Technical Parameters

Laser Power:	30W/55W/60W/70W/100W/120W
Machine Construction:	All-aluminum frame
Power Supply:	220V; 50/60Hz; Power Consumption ≤ 1200W
Applicable Cable Diameter:	>1.5mm
Cooling Method:	Air cooling / Water cooling
Communication Interfaces:	Wi-Fi, RJ45, RS232, USB, Type-C Reserved external signal input port
Marking Content:	Multi-language characters, texts, numbers, single/double-line marking, custom font library, LOGO, auto-increment serial numbers, real-time time, QR codes, etc.

Optional Functions

- MPS Anti-misprinting System
- APS Ecode Laser Marking System
- MES Digital Interconnection System



C Series Applicable

PVC (colored), Low Smoke Zero Halogen (orange, red), rubber, etc.

Note: Production speed depends on the light absorption rate of cable materials and colors.

Wire Harness Laser Marking Series

Leading Brand of Laser Marking Equipment for Cable Industry

Key Features

Compact Design. Precise Cutting.
Servo Motor + Belt-Driven Feeding and Smooth cable feeding with no cable indentation
High-Precision Cutting Cutting accuracy of $\pm 2\%$
Wide Application Range
Cutting length: 1-99,999.99 mm
Wire stripping range: 1-10 mm²
High Production Efficiency Up to 2,000 pcs/hour



Key Features

- ✓ Real-Time Synchronization of Cable Feeding & Printing
- ✓ Precisely Adjustable Printing Position
- ✓ Compatible with Multiple Wire Cutting Machines
- ✓ Proprietary PC-Based Control Software
- ✓ Multiple Printing Modes Supported

Wire Harness Laser Marking Series

Leading Brand of Laser Marking Equipment for Cable Industry

Key Features

- ✓ High-Speed Operation — Supports line speeds of up to 5 m/s
- ✓ Real-Time Feeding & Printing Synchronization
- ✓ Multiple Printing Modes Supported
- ✓ Precisely Controlled Printing Position
- ✓ Compatible with Multiple Wire Cutting Machines

Optional Features

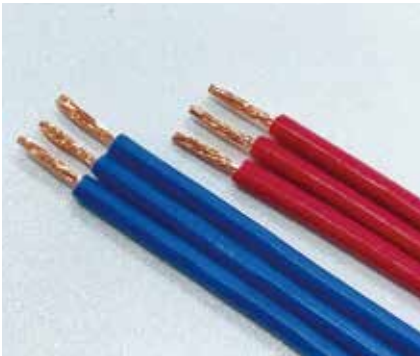
- ✓ Proprietary PC-Based Control Software



Eco-Friendly & Consumable-Free | Laser Marking
Crisp & Clear Marking | High-Speed & Stable Operation

Applications

- ✓ Conventional Static Printing
- ✓ Integrated with Semi-Automatic Wire Cutting Machines
- ✓ Integrated with Fully Automatic Computerized Wire Cutting Machines
- ✓ Inline Printing with Automatic Wire Cutting & Terminal Crimping Machines



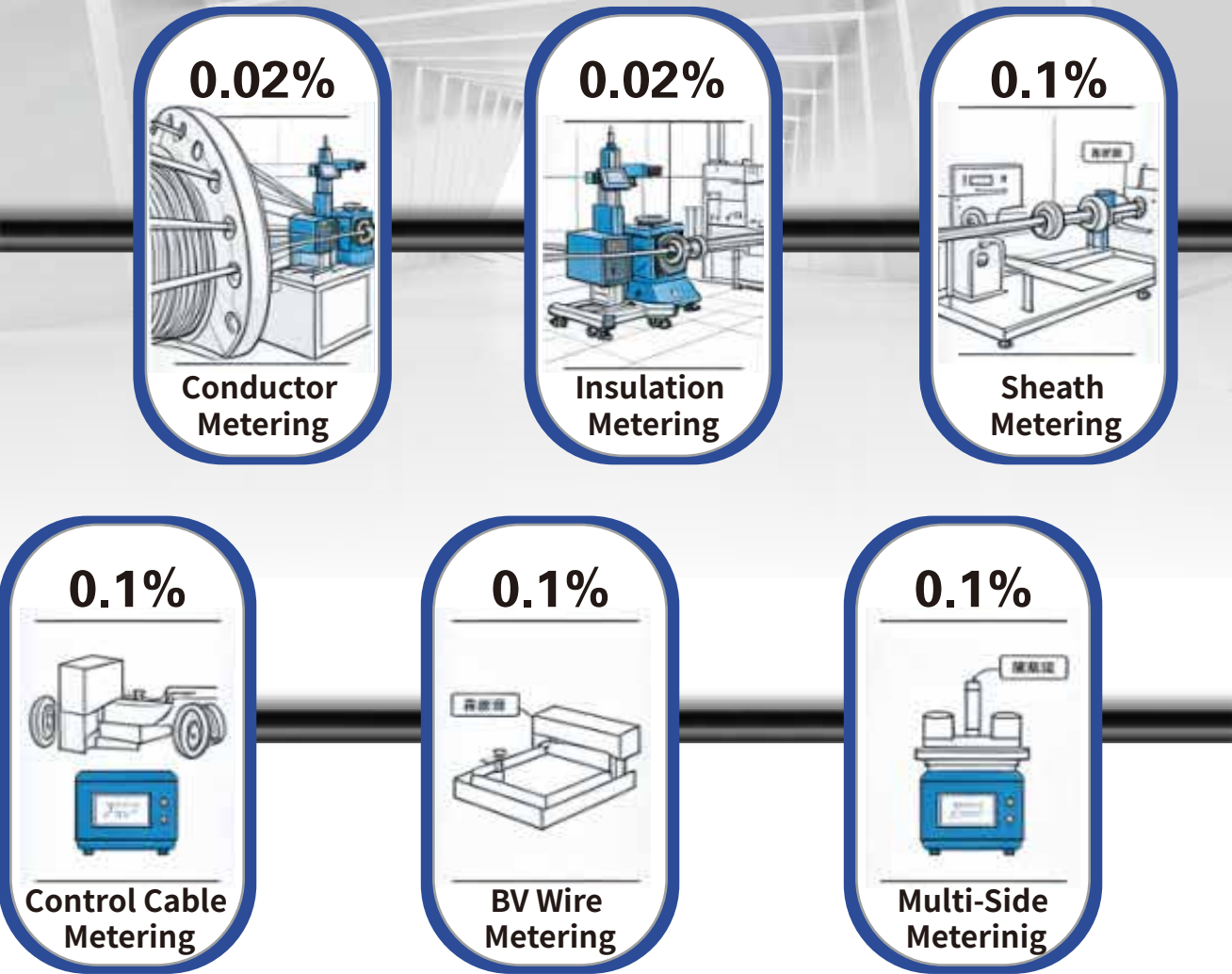
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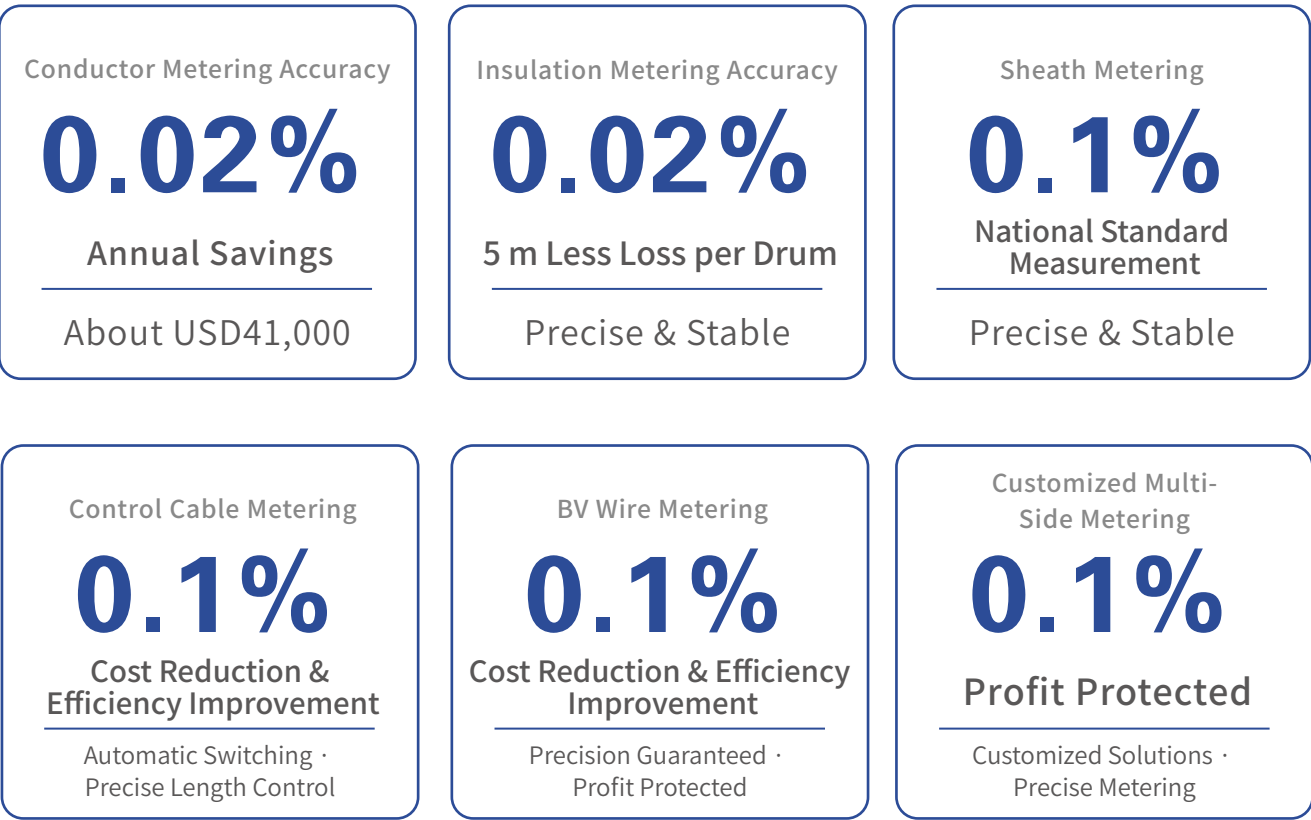
End-to-End Precision Meter Counting

From Conductor to Finished Cable — Protecting Your Cable Profits



Turn Every Meter of Waste into Visible Profit.

From Conductor & Insulation to Stranding, Sheathing, Control Cables & BV Wires
Multi-Surface Marking · Automatic Length Data Collection
Full-Process Production Traceability



Herten Laser Metering System, Integrated Metering & Marking



Inaccurate Metering Is Not an Error—It's a Cost Black Hole.
Every 3‰ error, multiplied across hundreds of millions of meters annually, can mean millions in losses.



Conductor Metering Applications

Leading Brand of Laser Marking Equipment for Cable Industry

3-in-1 Conductor Metering System



Enhanced Conductor Metering Accuracy

Implementation Goals

0.02%
Meter-counting accuracy

Visible. Verifiable. Traceable.
Every Meter Counts.

Benefits

About USD
41,000
Year

Win on Cost — Start with
Precise Conductor Metering

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CPS Three-Process Metering Dedicated Application

Leading Brand of Laser Marking Equipment for Cable Industry

CPS Dual-Direction Conductor Metering System



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Applications

- ☒ Bi-Directional Metering
- ☒ Auto Adjustment
- ☒ Three-Level Spool Alarm
- ☒ One-Click Specification Change
- ☒ Segment Interval Compensation

CPS Three-Process Metering

Core Module — Precise Process
Loss Tracking



Insulation Metering Application

Leading Brand of Laser Marking Equipment for Cable Industry

HV XLPE & MV/LV Insulation Metering



Product Overview

High-Precision Cable Metering System
Bi-Directional Counting · $\pm 0.1\%$ Accuracy · Auto Calibration
3-Level Length Control · Recipe Management · Real-Time Monitoring
Fault Traceability · MES Integration · IP65 Protection

Insulation Metering Application

Leading Brand of Laser Marking Equipment for Cable Industry

Core Advantages

- ✓ Precision Metering — Calibration Error $\leq 0.2\%$
- ✓ 0-200 m/min High-Speed Operation — Zero Pulse Loss
- ✓ Automatic Compensation for Cable Diameter & Pressure Deviations — Password Protected Tamper-Proof Accuracy Protection
- ✓ 3-Level Metering Interlock — Warning, Auto Stop & Reset — Line Integration
- ✓ 100+ Recipe Storage — One-Tap Recall & Batch Import
- ✓ Real-Time Monitoring · Limit Alarms & Data Logging
- ✓ Fault Records · Exportable Data · MES Integration · Full Traceability
- ✓ Power-Off Data Protection · No Data Loss IP65 Touchscreen · Dust & Oil Resistant
- ✓ Access Control · Anti-Misoperation · Emergency Stop Interlock Modbus Communication · PLC & Diameter Gauge Integration · Fault Alerts

Accuracy Verification Smart Production · Controlled Metering

240平方绝缘 计米器数据记录		
日期: 2026-5-25	型号: 牌灯	规格: 240
	型号: 17-073 016	
激光计米器 (计数值)	华瑞激光计米器	生产速度
0	0	
200	200	
400	400	
500	500	
600	600	
700	700	
800	800	
900	900	
1000	1000	
1200	1200	
1300	1300	
1400	1400	
1500	1500	
1600	1600	
1700	1700	
1800	1800	
1900	1900	
2000	2000	
2100	2100	
2200	2200	
2300	2300	

45m/min

120平方绝缘 计米器数据记录		
日期: 2025-6-5	型号: YW	规格: 120
	型号: DW3-18-013	
激光计米器 (计数值)	电子计米器 (计数值)	生产速度
0	0	
100	100	
200	200	
300	300	
400	400	
500	500	
600	600	
700	700	
800	800	
900	900	
1000	1000	
1100	1100	
1200	1200	
1300	1300	
1400	1400	
1500	1500	

80m/min

70平方绝缘 计米器数据记录		
日期: 2025-6-9	型号: YW	规格: 70
	型号: DW3-18-013	
激光计米器 (计数值)	电子计米器 (计数值)	生产速度
0	0	
100	100	
200	200	
300	300	
400	400	
500	500	
600	600	
700	700	
800	800	
900	900	
1000	1000	
1100	1100	
1200	1200	
1300	1300	
1400	1400	
1500	1500	

97m/min

Inaccurate Metering Isn't an Error — It's a Cost Black Hole.

Every 3% Error × Hundreds of Millions of Meters per Year = Millions in Losses

Implementation Goals

0.02%

Metering Accuracy

Multi-Point Adaptive Metering · Full Insulation Coverage · Auto Dynamic Adaptation

Benefits

5

Cost Savings

7 Extra Meters per Drum = Hidden Waste Recover Millions in Costs

Applications

- ✓ HV XLPE Metering
- ✓ MV XLPE Metering
- ✓ LV Insulation Metering
- ✓ Copper & Aluminum Conductor Metering



Application for Control Cable Marking

Leading Brand of Laser Marking Equipment for Cable Industry

NPS Control Cable Numbering & Length Control System

Product Overview

NPS Control Cable Laser Marking & Length Control System, Synchronized Cable Number & Meter Marking · Auto-automatic Length Control & Spooling · Permanent, Consumable-Free Marking

Machine Features

- ✓ Built-In GB Cable Number Library
Batch Cable Number Editing
- ✓ Auto/Manual Switching
- ✓ Synchronized Cable Number & Meter Marking
One-Pass Printing
- ✓ Length Pre-Alert · Audible & Visual Spool Change Reminder
Dedicated Cable Stabilizer · Reduced Cable Vibration
Stable Marking
- ✓ High-Speed Marking · Suitable for Control Cable
Extrusion & Rewinding Lines
- ✓ Print Preview · Reduced Production Errors



Application for Control Cable Marking

Leading Brand of Laser Marking Equipment for Cable Industry

NPS Control Cable Numbering & Length Control System

NPS Smart Length Control



Cable Number + Meter Marking



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华瑞激光 400-6655-586

Key Advantages

- ✓ Built-In Cable Number Library
- ✓ One-Click Batch Generation
- ✓ Auto Switching · Length Alerts
- ✓ Easy Cable Number & Meter Marking



Applications

- ✓ Extrusion Production Line
- ✓ Rewinding Production Line



Wire Laying Specialized Applications

Leading Brand of Laser Marking Equipment for Cable Industry

Product Description

The Herten Laser "Fly-Mark" Series / U-Series laser marking systems are designed for production lines processing small-gauge building wires (such as BV and BYJ types) and can be integrated with coiling machines for synchronized production. They achieve speeds of up to 900 m/min for standalone sequential meter marking and up to 450 m/min for simultaneous marking of alphanumeric data and length indicators. The systems support configurable length marking segments (e.g., 0-100m or 1-100m) and precise online length measurement which can print E-codes for traceability, ensure accurate control of coil lengths, and minimize material waste.



Wire Laying Specialized Applications

Leading Brand of Laser Marking Equipment for Cable Industry

Application Cases of Wires Laying



Connect to the coiling machine
reset the meter mark



Connect to coiling machine
meter mark speed 900 m/min



Double meter mark



00m reset

华瑞激光 400-6655-586

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华瑞激光 400-6655-586



Core Advantages

- ✓ Compatible with BV building wires, linked with coiling machines
- ✓ Two marking speeds: Max 900 m/min for marking only
- ✓ Marking & meter marking simultaneous output: 450 m/min
- ✓ Segmented meter marking (0-100m / 1-100m), fits all cable types
- ✓ Permanent laser marking, wear-resistant, no ink consumables
- ✓ On-line precise metering, reduces production waste
- ✓ Meter reset & Ecode traceability code for full product traceability

Applicable Scenarios

- ✓ Standard printing of text information
- ✓ Independent cyclic meter marking
- ✓ Fully automatic coiling machine docking
- ✓ Extrusion production line docking



Sheath Metering Special Application

Leading Brand of Laser Marking Equipment for Cable Industry

Metering of high, medium and low voltage sheaths

Product Description

Caterpillar-style sheath meter counter featuring anti-slip and anti-vibration capabilities and pneumatic clamping, designed for cable sheath production lines, it integrates with coding and control systems to enable precise, in-line meter marking.

Coreadvantages

- ✓ Anti-slip track design with vibration dampening to prevent cable slippage
- ✓ Reduces meter mark errors
- ✓ Pneumatic vertical clamping ensures stable grip
- ✓ Compatible with a wide range of cable diameters 3-120 mm
- ✓ Adjustable center height and calibratable meter mark factor
Maximum meter mark speed of 150 m/min
- ✓ Suitable for continuous production on cable sheathing lines
- ✓ Measurement range of 0-99,999.9 m,
- ✓ can interface with a coding machine to enable synchronized meter-marking and coding operations.
- ✓ Optional RS485 communication and PLC touchscreen
- ✓ Supports data upload



Multi-sided Printing, Meter Marking, and Specialized Non-standard Application.

Leading Brand of Laser Marking Equipment for Cable Industry



Equipment Features

- ✓ Fully enclosed cable laser marking machine: Fully automated, non-contact operation with a high protection rating;
- ✓ High-temperature resistant cable laser marking machine: Proven, large-scale application in regions Africa etc.;
- ✓ Three-sided and dual-sided synchronization: Perfect synchronization of meter markings across 120-degree or 180-degree angles.



Three-Side Synchronized Cable Laser Printer



High-Temperature-Resistant Cable Laser Printer



Dual-Side Synchronized Cable Laser Printer

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Inaccurate Metering Isn't an Error — It's a Cost Black Hole.

Every 3% Error × Hundreds of Millions of Meters per Year = Millions in Losses

Implementation Target

0.01%
Metering accuracy

Multi-point adaptive metering
Supports all cable structures
Auto dynamic adaptation for sheathed cables



OPTIONAL ACCESSORIES



Visual Imaging HR300



Meter-marking Stand HRPM-SAIII



Smoke and Dust Purifier HRJ-100



Smoke and Dust Purifier HRJ-350