



● **江苏东台生产基地**
JIANGSU DONGTAI PRODUCTION BASE

● **广东东莞研发总部**
GUANGDONG DONGGUAN R&D HEADQUARTERS

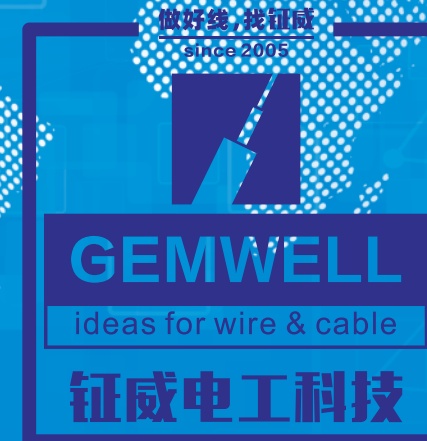
钲威电工科技(江苏)有限公司
东莞市钲威电工设备有限公司

GEMWELL ELECTRICAL TECHNOLOGY (JIANG SU) CO., LTD.
DONGGUAN GEMWELL ELECTRICAL MACHINERY CO., LTD.

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全球高端信息传输线缆生产商紧密合作伙伴

A close partnership with global high-end information transmission cable and wire manufacturers



关于我们 ABOUT US

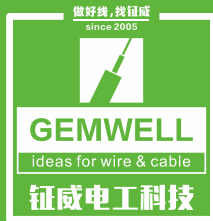


全球高端信息传输线缆生产商紧密合作伙伴。

A close partnership with global high-end information transmission cable and wire manufacturers.

持续提供行业内最先进、最具创意性的产品，为客户创造价值。

Continuously provide the industry's most advanced and innovative products, creating value for customers.



资质荣誉

CERTIFICATES & HONORS



全系列产品拥有30多项专利核心技术



全系列产品拥有CE,CSA认证证书

三严零缺陷：严密设计、严谨制造、严格品控，出厂前消除一切品质缺陷。

Three S Standards, Zero Defects:

Severe design, Stringent manufacturing, Strict quality control, ensuring zero defects before shipment.

诚实守信经营，多元共赢合作。

Operate with honesty and integrity, committing to mutually beneficial cooperations.

平行对高速线动力牵引吐带式包带机

PARALLEL PAIR HIGH SPEED CABLE
SERVO DRIVEN CONSTANT TENSION CAPSTAN TYPE TAPING LINE



平行对高速线伺服摆杆式动力包带机

PARALLEL PAIR HIGH SPEED CABLE
SERVO DRIVEN CONSTANT TENSION DANCER TYPE TAPING LINE



快

速度快：MAX3000RPM 高效运行
Fast speed: High efficiency, stable running Max 3000RPM

准

伺服运动控制器精确控制，节距误差小于 2%
Precise pitch: Servo motion controller, tolerance < 2%

稳

张力稳：动力牵引压轮匀速吐带，波动小于 2%
Stable tension: Servo driven capstan wheel ensures uniform tape feeding, fluctuation < 2%

适用于PCIe高速信号传输线、高频线、控制线、特种线缆等扁平线材绕包包带

SUITABLE IN WIRE TAPING PROCESS FOR:
PCIe high speed cables, high frequency cables, control cables, specialty cables etc..

高速稳定，“包”您满意



快

速度快：MAX2500RPM 高效运行
Fast speed: High efficiency, stable running Max 2500RPM

准

伺服运动控制器精确控制，节距误差小于 2%
Precise pitch: Servo motion controller, tolerance < 2%

稳

张力稳，动力放带，波动小于 2%
Stable tension: Servo driven tension, fluctuation < 2%

适用于PCIe高速信号传输线、高频线、控制线、特种线缆等扁平线材绕包包带

SUITABLE IN WIRE TAPING PROCESS FOR:
PCIe high speed cables, high frequency cables, control cables, specialty cables etc..

高速稳定，“包”您满意



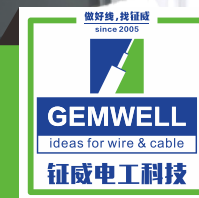
稳相电缆伺服摆杆式动力包带机

STABLE PHASE CABLE
SERVO DRIVEN CONSTANT TENSION DANCER TYPE TAPING LINE



车载总线伺服摆杆式动力包带机

AUTOMOTIVE ETHERNET CABLE
SERVO DRIVEN CONSTANT TENSION DANCER TYPE TAPING LINE



快

速度快，MAX2000RPM 高效运行

Fast speed: High efficiency, stable running Max 2000RPM

准

伺服运动控制器精确控制，节距误差小于 2%

Precise pitch: Servo motion controller, tolerance < 2%

稳

张力稳，动力放带，波动小于 2%

Stable tension: Servo driven tension, fluctuation < 2%

外观好

外表平滑圆整，绕包节距纹路清晰均匀

Good appearance: Smooth, neat and clear taping pitch

适用于稳相微波射频同轴线、相控阵雷达稳相电缆、航空线、航太线、军工测量船用电缆、特种线缆等圆型线材绕包生产

SUITABLE IN WIRE TAPING PROCESS FOR: Stable phase microwave RF coaxial cables, phase-controlled radar cables, aerospace cables, military measurement ship cables, specialty cables etc..

高速稳定，“包”您满意



快

速度快，MAX2000RPM 高效运行

Fast speed: High efficiency, stable running Max 2000RPM

准

伺服运动控制器精确控制，节距误差小于 2%

Precise pitch: Servo motion controller, tolerance < 2%

紧

绕包紧密，线材结构稳固，电气性能好

Tight taping, stable cable structure, good electrical performance

适用于车载总线、网络线、高频线、拖链线控制线、特种线缆等圆型线材绕包生产

SUITABLE IN WIRE TAPING PROCESS FOR: automotive ethernet cables, network cables, high-frequency cables, drag chain control cables, specialty cables etc..

高速稳定，“包”您满意



三倍绞对绞机

TRIPLE TWISTING MACHINE



快

速度快，绞弓每转形成3个节距，
MAX2000RPM/6000TPM
Fast speed: Each rotation forms 3 pitches, Max 2000RPM/6000TPM

准

节距准，误差小于 2%
Precise pitch: Lay pitch tolerance < 2%

稳

收/放线张力稳，张力波动小于 2%
Stable tension: Stable tension both payoff and takeup, fluctuation < 2%

适用于LAN CABLE CAT5、CAT5E、CAT6信号线对绞

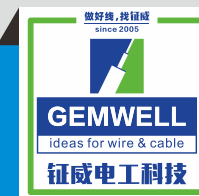
SUITABLE IN WIRE PAIR TWISTING PROCESS FOR: LAN CABLE CAT5, CAT5E, CAT6, signal wires etc..

节距精确，高效稳定



一体式电子绞距退扭对绞机

INTEGRATED TYPE BACK TWIST PAIR TWISTING MACHINE



快

速度快，MAX2000RPM/4000TPM 高效运行
High efficiency: Speed Max 2000RPM/4000TPM

准

节距准，误差小于 2%
Precise pitch: Lay pitch tolerance < 2%

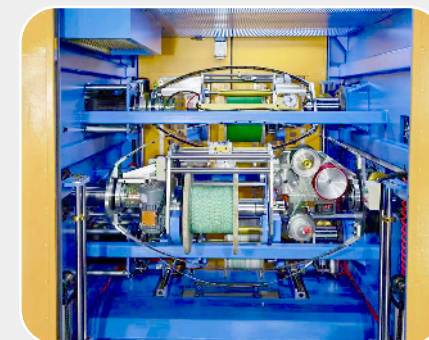
稳

收/放线张力稳，张力波动小于 2%
Stable tension: Stable tension both payoff and takeup, fluctuation < 2%

适用于LAN CABLE CAT5、CAT5E、CAT6A、CAT7、CAT8信号线对绞

SUITABLE IN WIRE PAIR TWISTING PROCESS FOR: LAN CABLE CAT5, CAT5E, CAT6, CAT6A, CAT7, CAT8, signal wires etc..

无应力绞合，柔性紧密



前面收线部分
Front-side takeup



后面放线部分
Back-side back twist payoff

分体式电子绞距退扭对绞生产线

SPLIT TYPE BACK TWIST PAIR TWISTING MACHINE

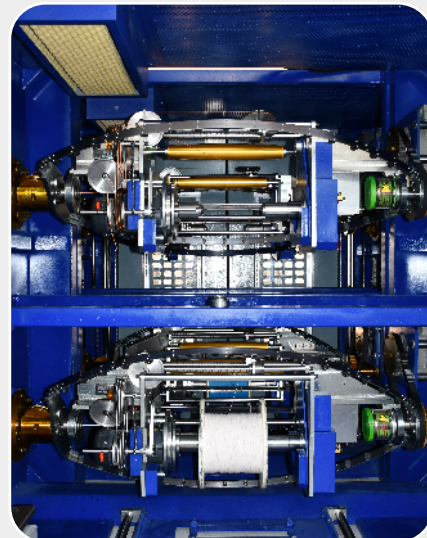


车载总线退扭对绞机

AUTOMOTIVE ETHERNET CABLE BACK TWIST PAIR TWISTING MACHINE



无应力绞合，柔性紧密



快

速度快，MAX2000RPM/4000TPM 高效运行

High efficiency: Speed Max 2000RPM/4000TPM

准

节距准，误差小于 2%

Precise pitch: Lay pitch tolerance < 2%

稳

收/放线张力稳，张力波动小于 2%

Stable tension: Stable tension both payoff and takeup, fluctuation < 2%

组合易

可跟据线材工艺不同,进行多种放线头数组合

Easy combinations: Customizable payoff num combination depending on cable specifications

适用于LAN CABLE CAT5、CAT5E、CAT6、CAT6A、CAT7、CAT8、HSD、Flexray、Profinet及柔性线材等信号线对绞

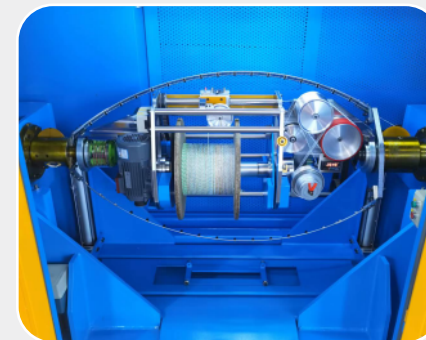
SUITABLE IN WIRE PAIR TWISTING PROCESS FOR: LAN CABLE CAT5, CAT5E, CAT6, CAT6A, CAT7, CAT8, HSD, Flexray, Profinet, flexible wires, signal wires etc..



无应力绞合，柔性紧密



退扭放线
Back twist payoff



对绞收线
Pair twist takeup

快

速度快，MAX2000RPM/4000TPM 高效运行

High efficiency: Speed Max 2000RPM/4000TPM

准

节距准，误差小于 2%

Precise pitch: Lay pitch tolerance < 2%

稳

收/放线张力稳，张力波动小于 2%

Stable tension: Stable tension both payoff and takeup, fluctuation < 2%

适用于CAN、CAN FD、LIN、Profinet、Flexray、Ethernet、HSD、CAT6A、CAT7、CAT8 等车载总线、网络线及柔性线材等信号线对绞

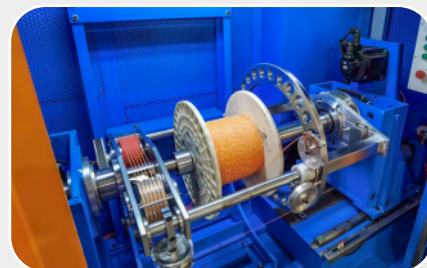
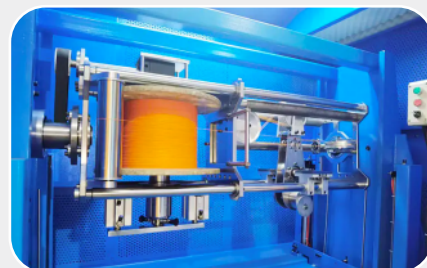
SUITABLE IN WIRE PAIR TWISTING PROCESS FOR: CAN, CAN FD, LIN, Profinet, Flexray, Ethernet, HSD, CAT6A, CAT7, CAT8, automotive ethernet cables, network cables, flexible wires, signal wires etc..

高速悬环单绞机

CANTILEVER RING TYPE SINGLE TWISTING MACHINE



无应力绞合，柔性紧密



快

高速稳定张力输出 $\pm 15g$ ，高精度收放线张力控制

High speed constant tension tolerance $\pm 15g$, high precise tension control

准

无损伤退扭模式/高速退扭模式，高精度绞距 $\pm 1\%$

No wire damage back twist mode/high speed back twist mode, twist pitch accuracy $\pm 1\%$

稳

电子节距 PLC 一键设定

Electric pitch with all-in-one key PLC settings

柔

线材成品柔性无应力

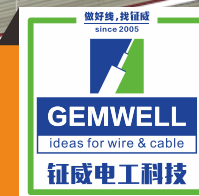
Finished wire products are flexible and torsion-free

适用于CAN、Profinet、Flex-ray、HSD等车载总线及柔性线材等信号线对绞

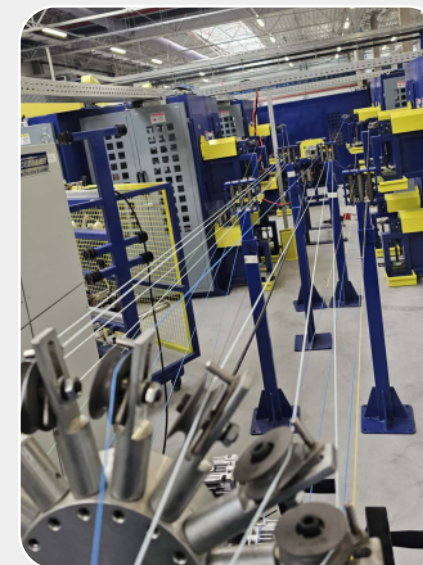
SUITABLE IN WIRE PAIR TWISTING PROCESS FOR: CAN, Profinet, Flex-ray, HSD, automotive ethernet cables, network cables, flexible wires, signal wires etc..

动力退扭无应力单绞成缆机

ACTIVE TYPE BACK TWIST TORSION FREE SINGLE TWISTING MACHINE



同步退扭，柔性成缆



快

速度快，5 倍于笼绞机速度

Fast speed: 5 times speed of planetary stranding machine

准

节距准，误差小于 2%

Precise pitch: Lay pitch tolerance $< 2\%$

稳

收/放线张力稳，张力波动小于 3%

Stable tension: Stable tension both payoff and takeup, fluctuation $< 3\%$

柔

线材成品柔性无应力

Finished wire products are flexible and torsion-free

适用于拖链线、柔性电缆、工业控制电缆等多股软铜芯线绞合成缆

SUITABLE IN STRANDING AND CABLING MULTI-STRAND SOFT COPPER CORE WIRES FOR: drag chain cables, flexible cables, and industrial control cables etc..

(旋转牵引+单绞) 一体成缆机

(ROTATING CAPSTAN + SINGLE TWIST)
INTEGRATED TYPE SINGLE TWISTING MACHINE



张力稳

收线张力可任意设定，空盘至满盘张力一致

Stable tension: Adjustable takeup tension, stable tension empty to full reel

节距准

通过旋转牵引机上定径轮牵引线材，节距稳定

Precise pitch: Wire tract by diameter wheel on rotating capstan

损耗低

绞制过程对线材破坏小，电气损耗低

Low fault: Low wire damage stranding, low electrical damage

速度快

轻型悬臂，风阻流线优化设计，速度快

Fast speed: Light-duty cantilever, optimize air flow resistance

适用于数据线、高频线、拖链线、柔性电缆等多股软铜芯线绞合成缆

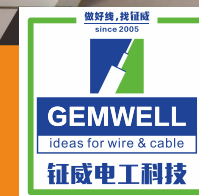
SUITABLE IN STRANDING AND CABLING MULTI-STRAND SOFT COPPER CORE WIRES FOR:
data cables, high frequency cables, drag chain cables, flexible cables etc..

张力一致，节距稳定



平行对动力放线星绞成缆机

PARALLEL PAIR CABLE ACTIVE PAYOFF TYPE PLANETARY STRANDING LINE



张力一致，性能稳定



张力稳

动力放线，消除一切张力干扰因素，张力恒定

Stable tension: Active payoff, eliminate all tension influential factors, ensuring constant tension

不翻边

设计锥形导流汇合绞线梭，线材位置固定不翻边

No flipping: A tapered twister shuttle design to keep wire position fixed, preventing edge flipping

良率高

相对于传统笼绞机被动放线结构，成缆制程破坏少，测试余量足，合格率接近100%，节省成本

High yield: Minimizes damage, ensures testing margins, achieves nearly 100% pass rate, and reduces costs compared to traditional passive type

适用于多股芯线成缆绞合及包带一次完成的工艺,特别适用于QSFP扁平线材芯线防翻转要求的成缆

SUITABLE IN STRANDING AND TAPING FOR: the process of stranding and taping multi-core cables in one step, especially for cabling QSFP flat cable cores with anti-flipping requirements.

铁氟龙绝缘押出生产线

TEFLON CORE WIRE INSULATION EXTRUDER LINE



线径稳，偏心小，良率高



线径稳

线径公差 ± 0.0015 ，总公差0.003

Stable OD: Wire diameter tolerance ± 0.0015 , total tolerance 0.003

同心高

同心度 $>97\%$

High concentricity: $>97\%$

调机快

更换规格及模具后，10来分钟调好同心度

Quick adjustment, 10 mins to adjust concentricity after change die and cable specifications

一致好

芯线产品电气性能一致性好，易配对

Good consistency: Consistent electrical performance, easy to pair

良率高

良品率 $>95\%$ ，减少导体和胶料浪费，节约成本

High yield : $>95\%$, reduce conductor and material waste, save cost

适用于PCIe高速信号传输线、高温电子线、同轴线、航太线等线材绝缘押出

SUITABLE IN WIRE INSULATION EXTRUSION PROCESS FOR: PCIe high speed signal cables, high temperature electronic wires, coaxial cables, aerospace cables etc..

高速绝缘押出生产线

HIGH EFFICIENCY CORE WIRE INSULATION EXTRUDER LINE



线径稳，偏心小，良率高



线径稳

线径稳定，线径公差 ± 0.05 ，总公差0.10

Stable OD: Wire diameter tolerance ± 0.05 , total tolerance 0.10

同心高

同心度 $>92\%$

High concentricity: $>92\%$

一致好

芯线产品电气性能一致性好，易配对

Consistent electrical performance, easy to pair

良率高

良品率 $>95\%$ ，减少导体和胶料浪费，节约成本

High yield : $>95\%$, reduce conductor and material waste, save cost

适用于信号线、数据线、高频线、控制线、电子线、电源线等线材绝缘押出

SUITABLE IN WIRE INSULATION EXTRUSION PROCESS FOR: signal cables, data cables, high frequency cables, control cables, electronic wires, power cables etc..

外被护套押出生产线

CABLE JACKET/SHEATHE EXTRUDER LINE



高效，稳定，节能



外观好 外观平滑，无鼓包，圆度好，线径稳

Good appearance: Smooth, no bulge, roundness, stable OD

产能高 高效押出设计，出胶量大，产能高

High-efficiency extrusion design with large material output and high productivity

能耗低 水电气全方位智能管理，节能环保

Low energy: Smart management of water, electricity and gas, energy preservation and environment protection

适用于信号线、数据线、高频线、控制线、电源线等线材外被护套押出

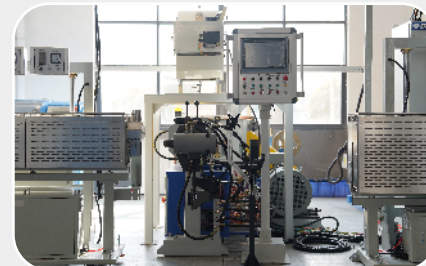
SUITABLE IN WIRE SHEATHE EXTRUSION PROCESS FOR: signal cables, data cables, high frequency cables, control cables, power cables etc..

硅胶押出生产线

SILICON CORE WIRE INSULATION EXTRUDER LINE



外观圆整，节能环保



外观好 外观平滑，无鼓包，圆度好，线径稳

Good appearance: Smooth, no bulge, roundness, stable OD

升温快 烤箱10分钟可以升温至600°C

Fast heat up: Oven can heat up to 600°C in 10 mins

能耗低 直升式烤箱，保温好，能耗低，节能环保

Low energy: Helicopter oven, good heat preservation

适用于新能源汽车线、电源线、电子线、医疗线、控制线、柔性电缆等线材绝缘或外被护套押出

SUITABLE IN SILICON WIRE INSULATION/SHEATHE EXTRUSION PROCESS FOR: automotive ethernet cables, power cables, electronic wires, medical wires, control cables, flexible cables etc..

数据线拉丝退火绝缘挤出串联生产线

DRAWING, CONTINUOUS ANNEALING & INSULATION EXTRUDER TANDEM LINE



线径稳

线径稳定：线径公差 ± 0.005 ，总公差0.01

Stable OD: Wire diameter tolerance ± 0.005 , total tolerance 0.01

偏心小

同心度高：>93%（选用微调机头可达97%以上）

High concentricity: >93%
(up to 97% or more with a micro-adjustable extruder head)

速度快

速度快：MAX 1600m/min

Fast speed: MAX 1600m/min

易配对

一致性好：芯线产品电气性能一致性好，易配对

Consistent electrical performance, easy to pair

适用于数据线LAN CABLE CAT5、CAT5E、CAT6、CAT6E等线材高速拉丝-退火-绝缘挤出一次生产工艺

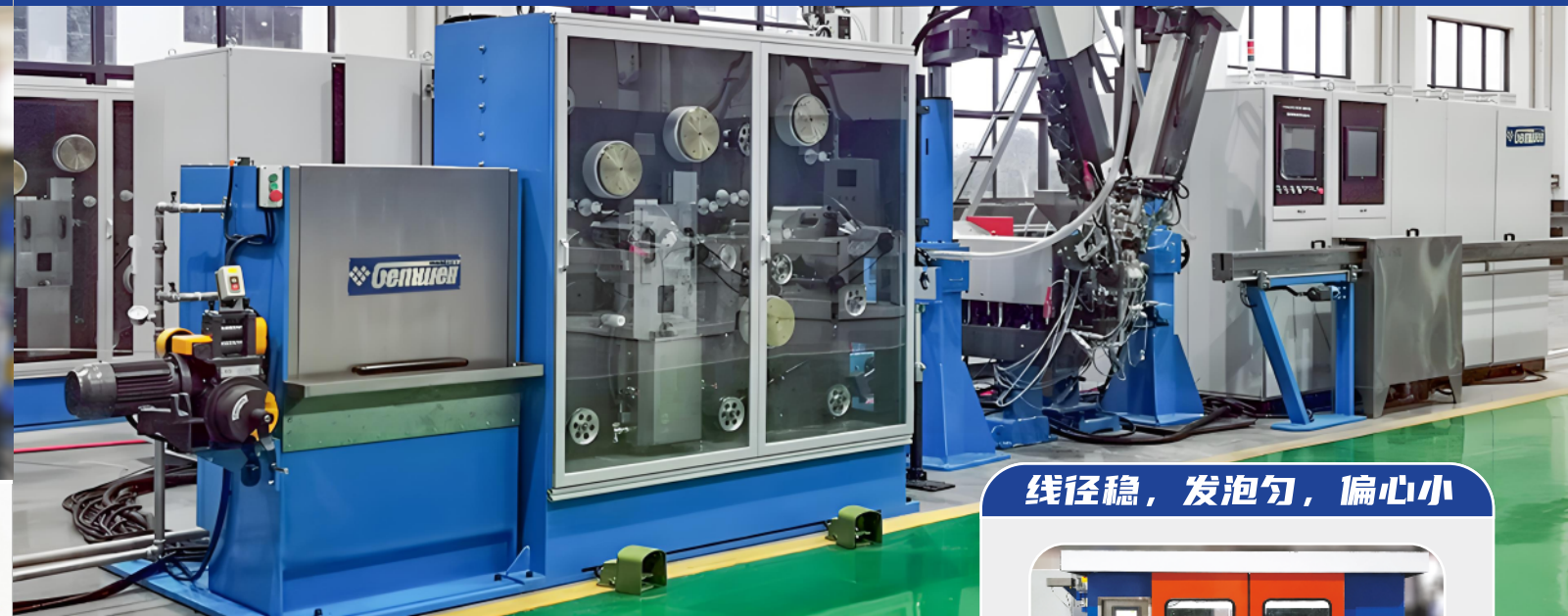
SUITABLE FOR: high-speed drawing, annealing, and insulation extrusion in a single production process for data cables such as LAN CABLE CAT5, CAT5E, CAT6, and CAT6E etc..

高速稳定，连续生产



物理发泡绝缘挤出生产线

PHYSICAL FOAMING EXTRUDER LINE



线径稳，发泡匀，偏心小

线径稳

线径稳定，线径公差 ± 0.005 ，总公差0.01

Stable OD: Wire diameter tolerance ± 0.005 , total tolerance 0.01

偏心小

同心度高：>93%（选用微调机头可达97%以上）

High concentricity: >93%
(up to 97% or more with a micro-adjustable extruder head)

电容稳

水电容稳： $\pm 0.5\text{pf/m}$

Stable hydroelectric capacity: $\pm 0.5\text{pf/m}$

易配对

一致性好：芯线产品电气性能一致性好，易配对

Consistent electrical performance, easy to pair

适用于高速信号传输线、数据线、高频线、同轴线物理发泡高速绝缘挤出

SUITABLE IN HIGH SPEED WIRE PHYSICAL FOAMING INSULATION EXTRUSION PROCESS
FOR: high speed signal cables, data cables, high frequency cables, coaxial cables etc..

