KINGSTRONG

Expert Supplier for Wire and Cable Manufacturing

ABOUT US

15 Years of Global Supply Excellence Delivering Quality as Its Best

Some Cool Facts About Our Experience of Supplying

20
Coutries

15
Years

100
Projects

KINGSTRONG takes pride in serving a diverse range of customers from over 20 countries across the globe. With a strong commitment to excellence and reliability, we have established lasting partnerships in East Asia, the Middle East, South America, and beyond. Our top-quality products and good services made us a trusted name in the global market.

At KINGSTRONG, we prioritize:
- Seamless Project Execution: Ensuring on-time delivery, smooth equipment commissioning, and reliable after-sales support.
- Global Standards: Partnering with China's top suppliers to provide cutting-edge, high-performance equipment.
- Customer Confidence: Offering comprehensive quality assurance and tailored solutions to meet each client's unique needs.

At KINGSTRONG, we believe every challenge is an opportunity to innovate - together, we shape smarter cable solutions for a better-connected world.

KINGSTRONG

PRODUCT CATALOGUE

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CONTINUOUS CASTING & ROLLING

COPPER, ALUMINIUM AND ALUMINIUM-ALLOY ROD LINES

Application

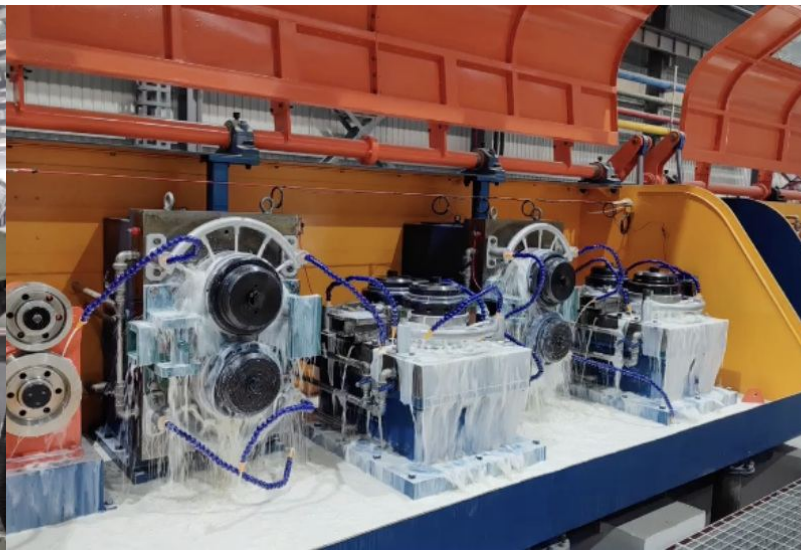
Production of copper, aluminium and aluminium-alloy rod for wire drawing and cable conductors.
Material-specific lines convert molten metal into continuously cast, hot-rolled and coiled rod.

Key Features

Continuous casting, hot rolling, cooling and coiling in an integrated production route.
Aluminium alloy configuration with two-roll stands and individual AC motor drives.
Copper lines for cathode copper or suitable scrap, with the corresponding furnace selection.
Furnaces and auxiliary systems selected to suit the material and production target.

Technical Parameters	Aluminium / Alloy Rod	Copper Rod Standard Output	Copper Rod High Output
Production capacity (t/h)	6-7.5	12-15	20-23
Standard rod diameters (mm)	9.5 / 12 / 15	8	8
Product grades / type	1350 / 1370 8030 / 8176 6201 / 6101	Low-oxygen copper rod	Low-oxygen copper rod
Rolling mill arrangement	Two-roll stands Individual AC drives	Two-roll mill	Two-roll roughing and finishing mills
Furnace selection	Melting + holding with melt treatment	Shaft + holding (cathode) Reverberatory (scrap)	Shaft + holding (cathode) Reverberatory (scrap)





ROD BREAKDOWN LINES

COPPER & ALUMINIUM | SD450 / MSD450 / MMD450

Application

Drawing copper and aluminium rod into wire for conductor production and further drawing.
Material-specific configurations with single- or two-wire production options.

Key Features

SD450: geared drive with 2-3 motors. MSD450: compact, two-level individual drives.
MMD450: individual capstan drives with adjustable elongation at each drawing die.
Low-slip control on the multi-motor series reduces capstan wear and operating noise.

Series / structure	Material	Inlet dia. (mm)	Outlet dia. (mm)	Max. speed (m/s)	No. of wires	Drawing passes
SD450 Gear-driven	Copper	8.00	1.00-4.00	30	1-2	9 / 11 / 13 / 15
SD450 Gear-driven	Aluminium	9.50-12.50	1.30-4.50	30	1-2	11 / 13 / 15
MSD450 Compact / two-level	Copper	8.00	1.00-4.50	35	1	11 / 13 / 15
MSD450 Compact / two-level	Aluminium	9.50-12.50	1.30-4.50	35	1	11 / 13 / 15
MMD450 Multi-motor	Copper	8.00	1.00-4.50	35	1-2	7-15
MMD450 Multi-motor	Aluminium	9.50-12.50	1.30-4.50	35	1-2	9-15



INTERMEDIATE & FINE DRAWING

COPPER & ALUMINIUM WIRE | MD200 / MD150

Application

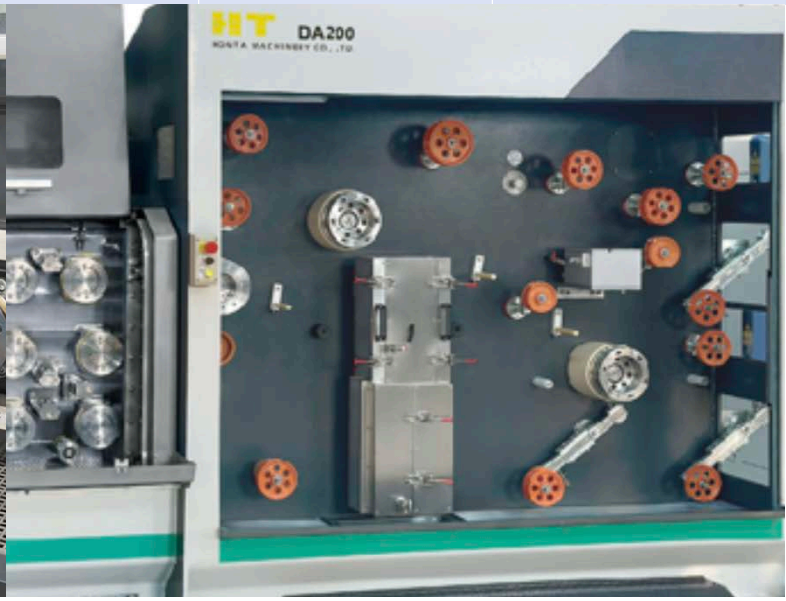
Reducing pre-drawn copper or aluminium wire to intermediate and fine wire sizes.
For wire and cable conductor production and subsequent processing.

Key Features

Single- or two-wire configurations with a two-motor fast die-change system.
MD200: horizontal or vertical two-level layouts for intermediate drawing.
MD150: conical or individual capstan configurations for fine wire drawing.

Technical Parameters	MD200 Horizontal	MD200 Vertical / two-level	MD150 Conical capstans	MD150 Individual capstans
Material	Copper / aluminium	Copper / aluminium	Copper / aluminium	Copper / aluminium
No. of wires	1-2	1-2	1-2	1-2
Max. inlet dia. (mm)	3.00-4.00	2.50-4.00	1.00-2.00	1.00-2.00
Outlet dia. (mm)	1.00-2.60	0.30-1.60	0.15-0.60	0.15-0.60
Max. speed (m/s)	30	40	30	30
Drawing passes	11 / 13 / 17	17 / 21	17 / 21	17 / 21
Annealing current (A)	2,000-4,000	2,000-4,000	500-1,000	500-1,000
Annealing voltage (V)	60	60	60	60





MULTIWIRE DRAWING MACHINE

16- AND 24-WIRE COPPER DRAWING WITH IN-LINE ANNEALING

Application

Copper and tinned-copper wire drawing for cable conductors.
Multiple wires are reduced in parallel and annealed in-line.

Key Features

Multi-motor drive with precision gearbox transmission.
Modular electrical control and control-system diagnostics.
In-line DC resistance annealing with IGBT control and automatic lubrication.

Technical Parameters	16-Wire Configuration	24-Wire Configuration
Machine model	MD100	MD100
Number of parallel wires	16 wires	24 wires
Number of drawing passes	22 passes	25 passes
Inlet wire diameter (mm)	1.80-2.00 mm	1.80-2.00 mm
Finished wire diameter (mm)	0.18-0.50 mm	0.15-0.40 mm
Max. mechanical speed (m/s)	32 m/s	32 m/s
Number of drive motors	2-3 motors	2-5 motors
Annealing voltage (V)	60 V	60 V



DOUBLE-TWIST BUNCHING MACHINE

FOR COPPER WIRE BUNCHING AND FINE WIRE STRANDING

Application

Copper wire bunching.
Aluminium wire bunching.
Copper/aluminium wire compacting.

Key Features

Double-twist structure for efficient wire bunching.
Suitable for copper and aluminium fine wire applications.
Compact machine layout with stable running performance.

Reel Size(mm)	Single Wire Diameter(mm)	Max. Rotation Speed (rpm)	Max. Conductor Cross-section (mm^2)		Machine Size (L×W) (m)
			Compacted Conductor	Non Compacted Conductor	
Φ1250	Φ1.0~Φ3.0	800	70	95	24×4
Φ1600	Φ1.5~Φ5.0	500	95	240	27×7
Φ2200	Φ1.5~Φ5.0	400	95	300	28×8





RIGID STRANDING MACHINE

SERIES OF STRANDING LINE

Application

Carbon fiber reinforced core stranding.
Expanded-diameter conductor stranding.
Soft/semi-hard aluminium trapezoidal wire stranding (T/Z).

Key Features

Rigid cage structure for conductor stranding.
Suitable for copper, aluminium and trapezoidal wire applications.
Configurable for round and sector conductor production.

Reel Size（mm）			Max. Rotation Speed (rpm)						Single Wire Diameter（mm）	
			6B	12B	18B	24B	30B	36B	Aluminium	Copper
Φ500		Al	240	220	200	180	160	140	Φ1.8~Φ5.0	Φ1.5~Φ5.0
		Cu	220	200	180	160	140	120		
Φ630	Normal	Al	230	210	190	170	150	130	Φ1.8~Φ5.0	Φ1.5~Φ5.0
		Cu	210	190	170	150	130	110		
	High speed	Al	325	290	250	215	185	135	Φ1.8~Φ6.6	Φ1.5~Φ5.0
		Cu	230	210	190	170	150	130		
Φ710		Al	170	150	132	117	103	91	Φ3.0~Φ6.2	Trapezoidal Wire
Φ800			132	117	103	91	80	70	Φ3.0~Φ6.2	





PLANETARY STRANDING MACHINE

FOR COPPER, ALUMINIUM AND OPTICAL FIBER CABLE STRANDING

Application

Copper/aluminium wire stranding.
OPGW cable stranding.

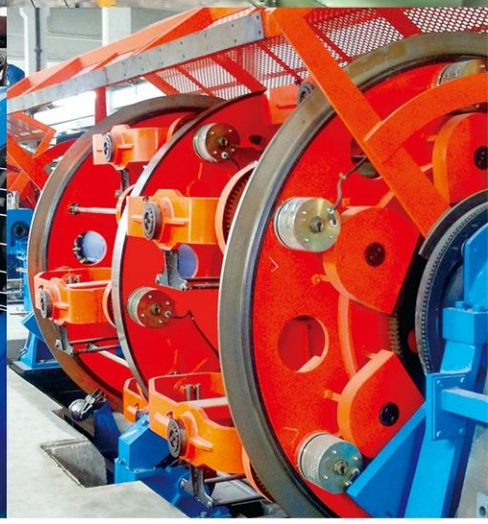
Key Features

Planetary cage structure for copper and aluminium wire stranding.
Suitable for power cable conductors and OPGW cable applications.
Stable stranding performance for different reel configurations.

Reel Size (mm)	Max.Rotation Speed (rpm)										Single Wire Diameter (mm)			
	with Roller						without Roller							
	6B	8B	12B	16B	18B	24B	6B	12B	18B	24B	Aluminium	Copper	Al-clad Steel	Fibre Unit
Φ400	125		110		95	85	155	140	125	110	Φ1.5~Φ4.0	Φ1.2~Φ4.0	Φ1.2~Φ3.5	Φ2.5~Φ4.0
Φ500	110		95		85	75	135	125	110	95	Φ1.5~Φ5.0	Φ1.5~Φ5.0	Φ1.3~Φ3.5	Φ3.0~Φ5.0
Φ600	85	80	75	70	65	60	110	95	85	75	Φ1.8~Φ6.0	Φ1.5~Φ6.0	Φ1.5~Φ4.5	Φ3.0~Φ6.0







TUBULAR STRANDING MACHINE

FOR COPPER, ALUMINIUM, STEEL WIRE AND OPGW STRANDING

Application

Copper/aluminium/steel wire stranding.
Steel rope stranding.
OPGW cable stranding.
Single-bobbin or batch-loading hoist unit is optional.

Key Features

Tubular cage structure for high-speed wire stranding.
Suitable for copper, aluminium and steel wire applications.
Optional high-tension or back-twist configuration according to project requirements.

Reel Size (mm)	Max.Rotation Speed (rpm)					Bow Cradle		Single Wire Diameter (mm)		
	6B	12B	18B	24B	36B	Reel Dia. (mm)	Max. Speed (rpm)	Aluminium	Copper	Steel
Φ315	1400	1300	1200	1000	800			Φ1.2~Φ2.0	Φ1.0~Φ2.0	Φ0.4~Φ1.0
Φ400	1300	1200	1100	900	800	800	500	Φ1.5~Φ3.0	Φ1.2~Φ3.0	Φ0.6~Φ2.0
Φ500	1100	1000	850	750	700	1000	400	Φ1.5~Φ4.0	Φ1.5~Φ4.0	Φ0.75~Φ3.0
Φ560	900	800	700	650	600	1250	350	Φ1.5~Φ5.0	Φ1.5~Φ5.0	Φ0.85~Φ3.5
Φ630	900	800	700	650	600	1250	350	Φ1.5~Φ5.0	Φ1.5~Φ5.0	Φ0.85~Φ3.5
Φ710	600	500	450	400	350	1600	300	Φ1.5~Φ6.6	Φ1.5~Φ6.6	Φ0.85~Φ4.5
Φ760	500	450	400	350	300	1600	300	Φ2.0~Φ7.0	Φ2.0~Φ7.0	Φ1.2~Φ4.5
Φ800	450	400	300	300	200	1600	300	Φ2.0~Φ7.0	Φ2.0~Φ7.0	Φ1.2~Φ4.5







SKIP-TYPE STRANDING MACHINE

FOR CONTROL CABLE AND LV CABLE CORE ASSEMBLY

Application

Control cable assembly.
LV cable assembly.
Aerial bundled cable assembly.

Key Features

Skip-type structure for multi-core cable assembly.
Suitable for control cables, LV cables and aerial bundled cables.
Stable lay length control for different cable structures.

Reel Size(mm)	Max.Rotation Speed (rpm)				Single Wire Diameter(mm)		Machine Size (L×W) (m)
	3B	4B	5B	6B	Flexible	Hard	
Φ630	900	850	800	750	Φ5~Φ10	Φ1.5~Φ4.0	35×5
Φ800	700	650	600	550	Φ5~Φ10	Φ2.0~Φ5.0	43×3
Φ1000	450	400	350	300	Φ8~Φ15	Φ3.0~Φ6.0	50×6
Φ1250	350	300	250	200	Φ8~Φ15	Φ3.0~Φ6.0	55×6
Φ1600	250	220	200	150	Φ10~Φ20	Φ3.5~Φ8.0	60×7





CONCENTRIC STRANDING MACHINE

SERIES OF STRANDING LINE

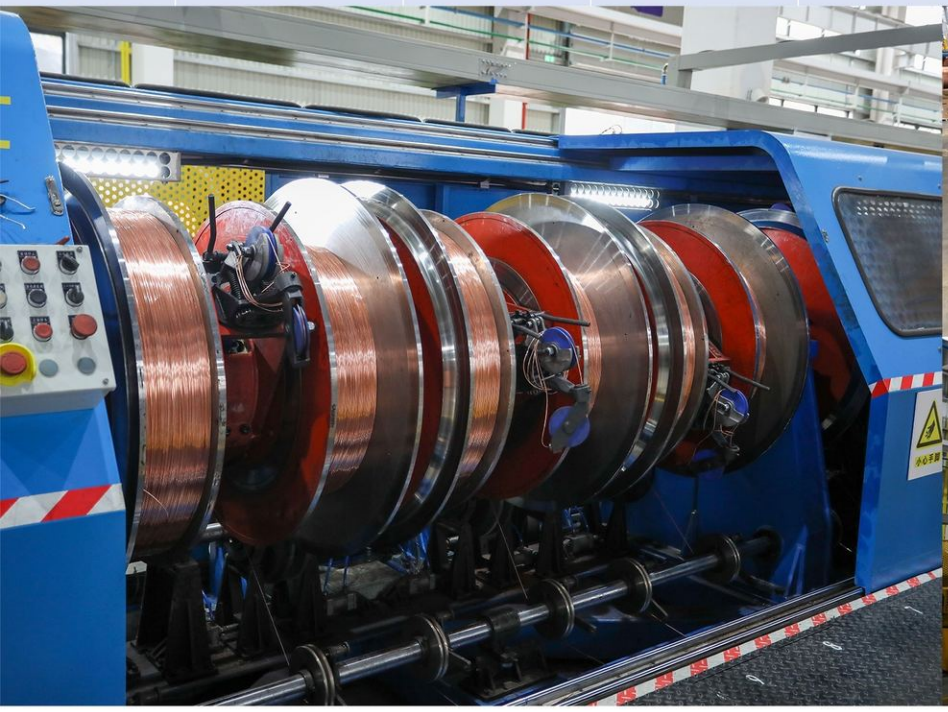
Application

Copper and aluminium round or sector conductor stranding.
Overhead conductor stranding.

Key Features

Large pay-off bobbins support long continuous production runs.
Concentric cage design for high stranding speed and production efficiency.
Compact layout reduces floor space requirement.

Reel Size (mm)	Copper Wire Capacity (kg)	Cage Speed (rpm)	Single Wire Diameter (mm)		Overall Size (LengthxwidthxHeight)(m)		
			Aluminum	Copper	19cores	37cores	61cores
Φ1000	670	500	Φ1.8~Φ5.0	Φ1.5~Φ5.0	34×9×4.5	52×9×4.5	66×9×4.5
Φ1200	1350	500	Φ1.8~Φ5.0	Φ1.5~Φ5.0	28×9×4.5	41×9×4.5	55×9×4.5







HORIZONTAL LAYING-UP MACHINE

FOR SUBMARINE CABLES AND UMBILICAL CABLES

Application

Laying-up of submarine power cables and umbilical cables.

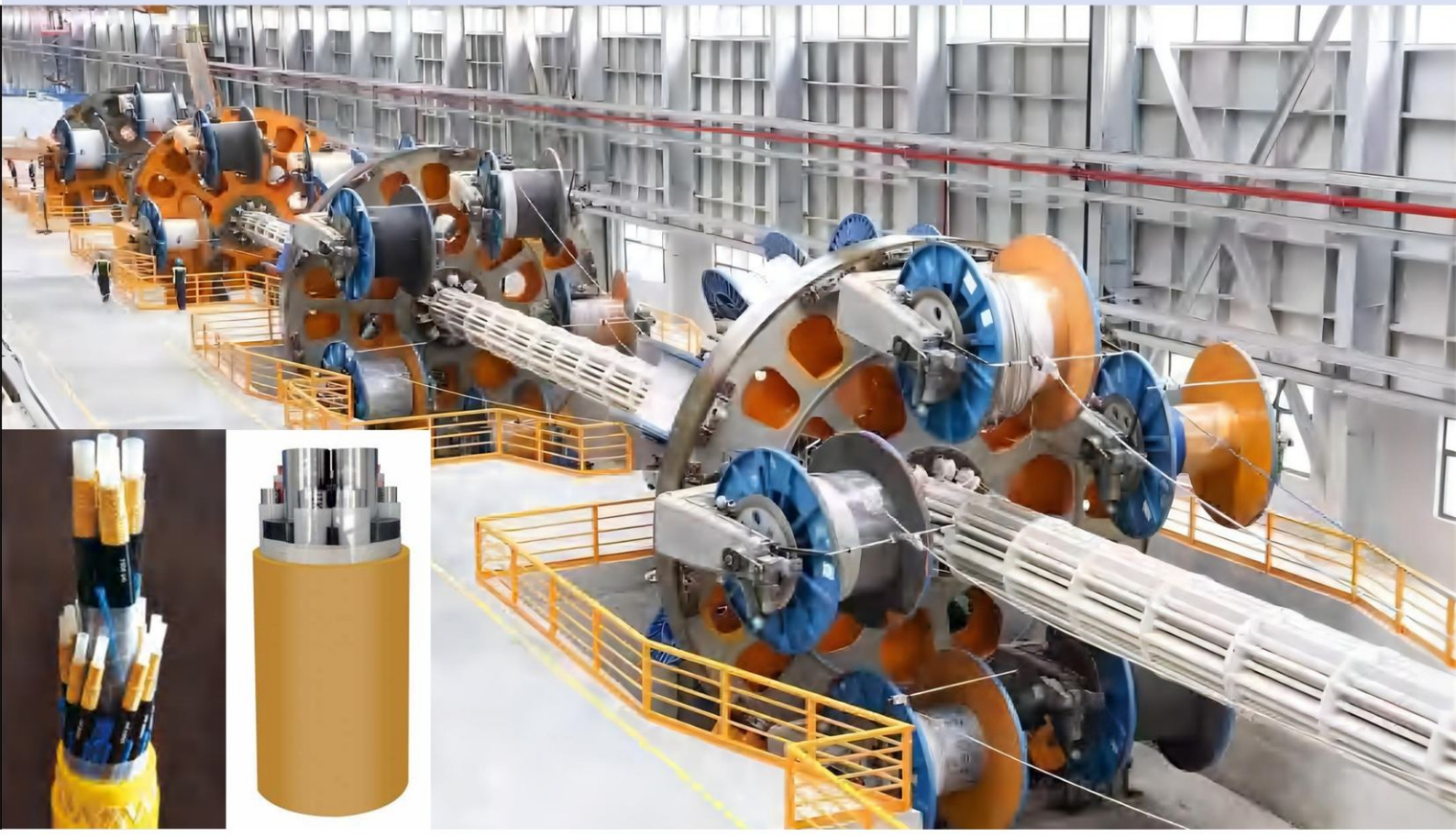
Key Features

Horizontal laying-up system for submarine and umbilical cables.

Large rotating wheel design for heavy cable structures.

Customizable layout for complex cable assembly processes.

Wheel O.D. (m)	Drum Capacity Each (t)	Max. Rotation Speed (rpm)
9.5	20~50	4



HIGH-SPEED PLANETARY LAYING-UP MACHINE

FOR LV, MV AND HV POWER CABLE CORE ASSEMBLY

Application

LV/MV power cable core assembly.
Communication cable assembly.
Control cable assembly.
Mining cable assembly.

Key Features

High-speed planetary laying-up for multi-core cable assembly.
Suitable for LV, MV and HV power cable production.
Flexible configuration for taping, filling and auxiliary units.

Reel Size(mm)	Max.Rotation Speed (rpm)			Single Wire Diameter(mm)	Reel Loading Weight (kg)	Machine Size (L×W) (m)
	3B (1+3B)	4B (1+4B)	1+1+4B			
Φ1000	70	60	60	Φ10~Φ20	1500	34×5
Φ1250	60	50	50	Φ10~Φ25	2000	39×6
Φ1600	45	35	35	Φ10~Φ35	3000	45×7
Φ2000	21	16	16	Φ15~Φ40	4000	53×9







VERTICAL LAYING-UP MACHINE

CYL SERIES FOR SUBMARINE AND UMBILICAL CABLES

Application

Laying-up of MV, HV and EHV submarine power cables.
Subsea electro-optical composite cables and umbilical cables.

Key Features

Turntable and rotating-reel configurations for cable assembly.
Auxiliary reels are rotating or fixed as specified below.
All listed turntable and reel dimensions are diameters.

Turntable / reel configuration	Max. speed	Single-core diameter	Max. turntable load
3 x 8,000 mm turntables + 3 x 3,150 mm rotating + 6 x 3,150 mm fixed	4 rpm	50-140 mm	650 t
3 x 8,800 mm turntables + 3 x 3,150 mm rotating + 6 x 2,000 mm fixed	4 rpm	10-140 mm	650 t
3 x 10,000 mm turntables + 9 x 3,150 mm rotating	3 rpm	10-150 mm	1,000 t
3 x 11,000 mm turntables + 9 x 3,150 mm rotating	3 rpm	50-140 mm	1,200 t
3 x 12,000 mm turntables + 9 x 3,150 mm rotating	3 rpm	50-140 mm	1,200 t
3 x 13,000 mm turntables + 3 x 3,500 mm rotating + 6 x 3,150 mm rotating	3 rpm	10-150 mm	1,200 t
3 x 13,000 mm turntables + 9 x 3,150 mm rotating	3 rpm	10-180 mm	1,500 t
3 x 13,500 mm turntables + 9 x 3,150 mm rotating	3 rpm	10-140 mm	1,200 t
3 x 3,900 mm rotating reels + 3 x 2,000 mm rotating reels	3 rpm	10-85 mm	50 t
3 x 4,000 mm rotating reels + 3 x 2,000 mm rotating reels	5 rpm	10-100 mm	65 t





COMBINED DRUM TWISTER

FOR POWER CABLE CORE LAYING-UP

Application

Power cable core laying-up.
Communication cable assembly.
Control cable assembly.
Mining cable assembly.

Key Features

Combined drum twister for power cable core laying-up.
Flexible configuration for different cable structures.
Suitable for integrated laying-up and auxiliary processes according to project requirements.

Reel Size(mm)		Max. Pay-off Speed (rpm)				Max. Take-up Speed (rpm)		Single Wire Diameter(mm)	Reel Loading Weight (t)		Machine Size (L×W) (m)
Take up Reel	Payoff Reel	3B(1+3B)	1+1+3B	4B(1+4B)	1+1+4B	Cradle Type	Under Roller Type		Take up Reel	Payoff Reel	
Φ1250	Φ800	70	70	60	60	150	120	Φ5~Φ15	2	0.8	33×4
Φ1600	Φ1000	60	60	50	50	120	100	Φ10~Φ20	3	1.5	34×5
Φ2000	Φ1250	40	40	35	35	100	80	Φ10~Φ25	5	2	38×6
Φ2500	Φ1600	30	30	25	25	70	60	Φ10~Φ35	8	3	43×7
Φ3150	Φ2000	21	21	16	16	50	40	Φ15~Φ40	12	5	52×9
Φ3500	Φ2000	21	21	16	16	40	30	Φ15~Φ40	15	5	53×9
Φ4000	Φ2500	12	12	10	10	30	25	Φ15~Φ50	20	8	60×11





DRUM TWISTER WITH CATERPILLAR

SERIES OF STRANDING LINE

Application

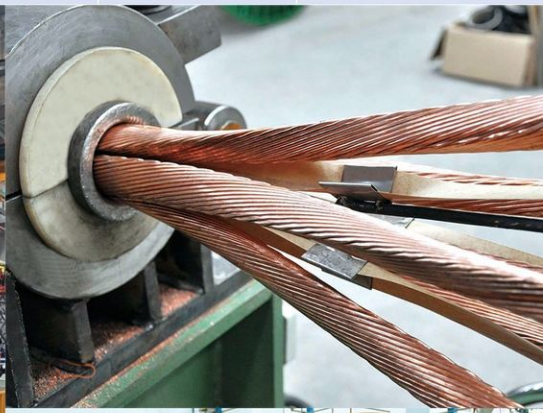
LV/MV/HV power cable assembly.
Communication cable assembly.
Steel wire armoured cables.
Copper wire shielded cables.

Key Features

Drum twister configuration for large-section cable laying-up.
Caterpillar haul-off with synchronized traction speed.
Pneumatic clamping and automatic belt tightening for stable traction.

Reel Size(mm)		Max.Rotation Speed （rpm）		Cable O.D. after Laying-Up (mm)	Reel Loading Weight(T)		Machine Size (L×W) (m)
Take up Reel	Payoff Reel	Under Roller Type	Cradle Type		Take up Reel	Payoff Reel	
Φ2000	Φ1250	80	100	Φ100	10	3	60×9
Φ2500	Φ1600	60	70	Φ100	12	5	63×9
Φ3150	Φ2000	40	50	Φ120	20	10	68×10
Φ3500	Φ2500	30	40	Φ120	25	12	70×11
Φ4000	Φ2500	25	30	Φ130	30	12	73×11
Φ4200	Φ2500	25	30	Φ130	30	12	75×11







CABLE / PIPE TURNTABLE

ZP SERIES FOR CABLE AND PIPE PAY-OFF / TAKE-UP

Application

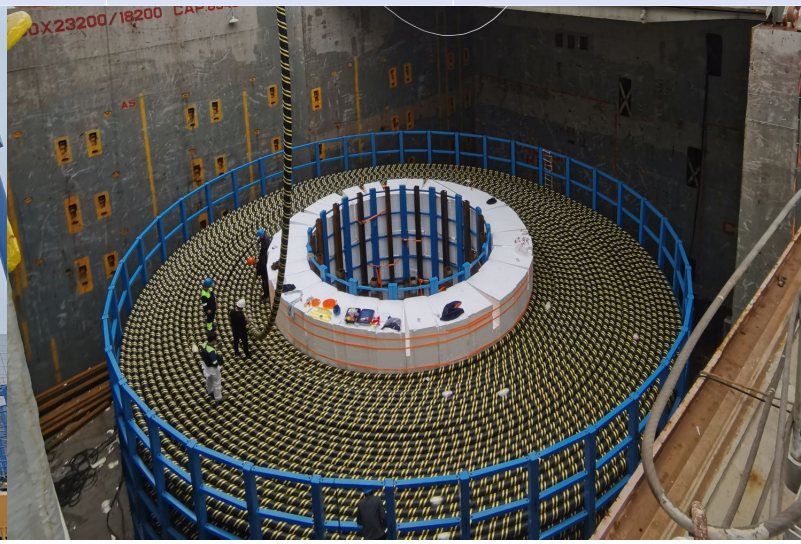
Carousel-type pay-off and take-up for cables and flexible pipes.
For submarine cable and umbilical cable handling.

Key Features

Turntable diameters from 6,000 to 40,000 mm.
Configuration-specific load capacities from 200 to 15,000 t.
Support roller arrangements matched to turntable size.

Size / load code	Turntable diameter	Max. load	Support roller rings	Max. pay-off / take-up speed
6/200	6,000 mm	200 t	None	30 m/min
6.5/400	6,500 mm	400 t	None	30 m/min
8/500	8,000 mm	500 t	None	20 m/min
10/500	10,000 mm	500 t	None	20 m/min
12/800,1000	12,000 mm	800 / 1,000 t	None	20 m/min
14/1000	14,000 mm	1,000 t	1 ring	20 m/min
16/1500	16,000 mm	1,500 t	2 rings	15 m/min
18/2000,3000	18,000 mm	2,000 / 3,000 t	2 rings	15 m/min
20/2000,3000	20,000 mm	2,000 / 3,000 t	2 rings	15 m/min
24/4000,5000	24,000 mm	4,000 / 5,000 t	3 rings	15 m/min
25/5000	25,000 mm	5,000 t	3 rings	15 m/min
28/6000	28,000 mm	6,000 t	3 rings	15 m/min
30/7000,8000	30,000 mm	7,000 / 8,000 t	4 rings	15 m/min
32/7000,8000	32,000 mm	7,000 / 8,000 t	4 rings	15 m/min
36/15000	36,000 mm	15,000 t	5 rings	10 m/min
40/15000	40,000 mm	15,000 t	5 rings	10 m/min





XLPE CCV LINE

TRIPLE-LAYER CO-EXTRUSION AND DRY NITROGEN CURING

Application

Production of medium- and high-voltage XLPE-insulated power cable cores.
Copper and aluminium conductors, with configurations up to 132 kV.

Key Features

Triple-layer crosshead for conductor screen, XLPE insulation and insulation screen.
Non-contact sag control and synchronized haul-off for stable cable travel.
HV configurations with rapid cooling, rotating haul-off and PLC/HMI recipe management.

Technical Parameters	MV Reference Configuration	132 kV Reference Configuration
Cable voltage rating	6-35 kV	10-132 kV
Copper conductor cross-section	35-630 mm^2	50-1,000 mm^2
Aluminium conductor cross-section	50-800 mm^2	70-1,600 mm^2
Extruder screw diameters (inner screen / insulation / outer screen)	65 / 150 / 90 mm	100 / 200 / 120 mm
Max. insulated cable diameter	75 mm	120 mm
Max. cable weight per metre	10 kg/m	15 kg/m
Total curing and cooling tube length	102 m	192 m





RUBBER CCV LINE

CONTINUOUS STEAM VULCANIZATION FOR RUBBER CABLES

Application

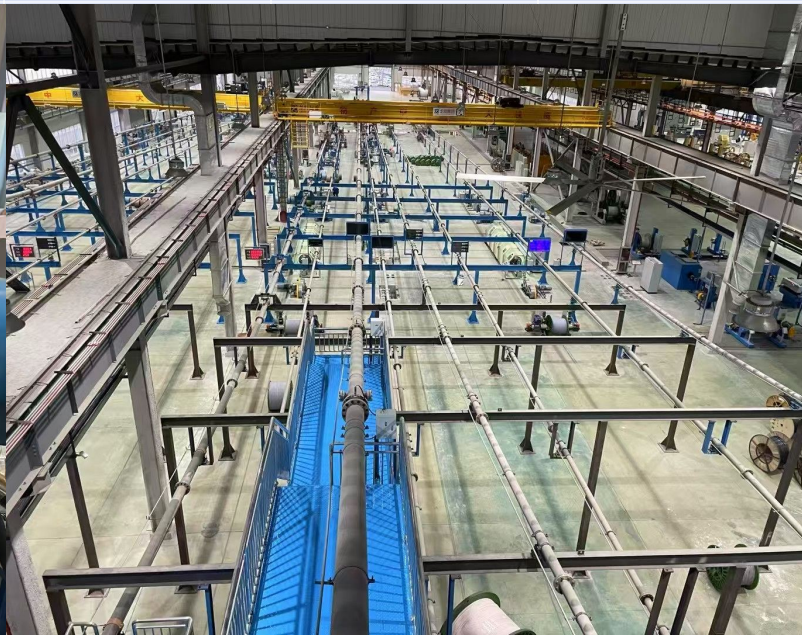
Continuous extrusion and steam vulcanization of rubber cable insulation and sheathing.
For flexible, mining and marine cables using suitable NR, SBR, CR, NBR and EPR compounds.

Key Features

Active rubber-strip feeding with single-, double- or triple-layer extrusion options.
Triple-layer co-extrusion of conductor screen, insulation and insulation screen.
Steam-curing tubes with semi-catenary and inclined straight-tube sections.
Extruders and crossheads selected for the cable construction and rubber compound.

Reference Extruder	XJWY-90 (Type II)	XJWY-100	XJWY-120	XJWY-150
Screw diameter (mm)	90	100	120	150
Max. rubber output (kg/h)	180	220	330	480
Screw / barrel material	38CrMoAl	38CrMoAl	38CrMoAl	38CrMoAl
Main drive	DC or VFD	DC or VFD	DC or VFD	DC or VFD
Extruder centre height (mm)	1,000 or 1,150	1,000 or 1,150	1,150	1,200
Working platform height (m)	5-6	5-6	10-12	10-12





CABLE SHEATHING EXTRUDER

EXTRUDER SERIES: SJ30×25 - SJ200×25

Features

High-strength 38CrMoAlA alloy steel screw and barrel, precision-machined and nitrided for excellent wear resistance and long service life.

Pt100 temperature sensing, hardened gear reducer, and automatic air cooling for stable and efficient operation.

The main drive can be configured with either a DC motor with European controller or a variable frequency motor with Siemens or Danfoss system.

Siemens PLC and touchscreen provide real-time monitoring of temperature, line speed, screw speed, extruder current and meter count.

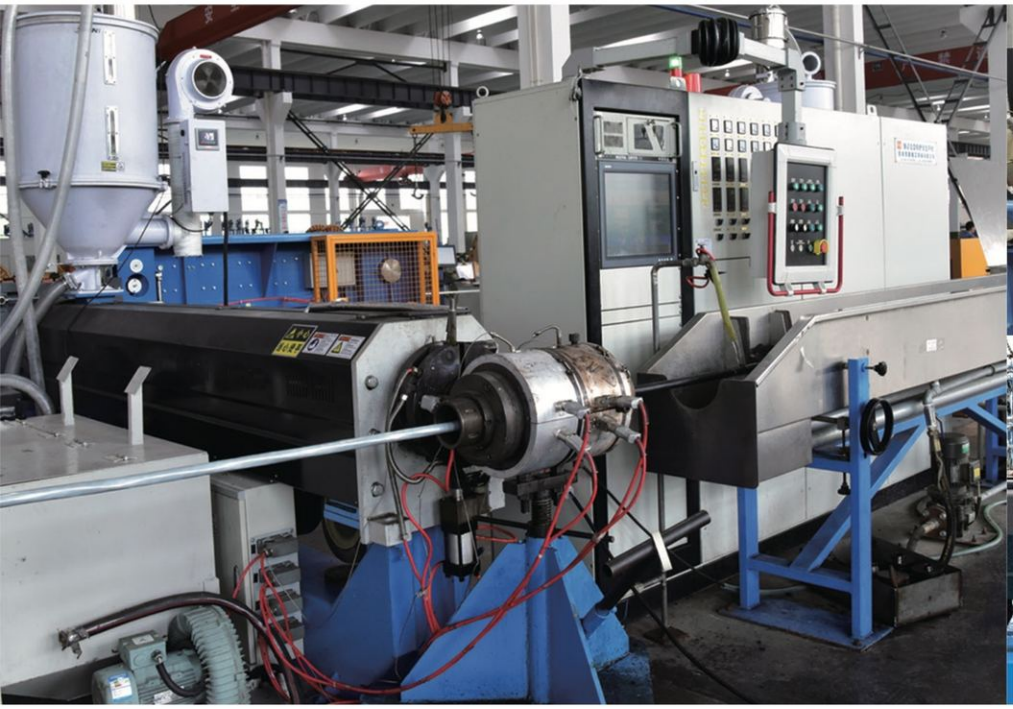
Key Features

Suitable for PVC, PE, XLPE and LSHF insulation or sheathing materials.

Siemens PLC and touchscreen for real-time process monitoring.

Nitrided 38CrMoAlA screw and barrel for stable plasticizing performance.

Main Technical Parameters							
MODEL	Screw Diameter (mm)	L/D Ratio	Screw Speed (rpm)	Drive Power (kW)	Barrel Heating Power (kW)	Temperature Control Zones: Barrel / Head	Max. Extrusion Output (kg/h)
SJ30X25	30	25:1	5-150	11	3.6	3/2	20
SJ45X25	45	25:1	10-100	15	9	3/2	50
SJ65X25	65	25:1	10-100	30	16	4/3	130
SJ70X25	70	25:1	10-100	37	20	4/3	160
SJ80X25	80	25:1	10-100	75	24	4/4	220
SJ90X25	90	25:1	10-100	90	30	5/4	320
SJ100X25	100	25:1	9-90	110	35	5/4	400
SJ120X25	120	25:1	8-80	132	54	6/4	600
SJ150X25	150	25:1	6-60	185	88	6/4	950
SJ180X25	180	25:1	4-44	250	119	7/4	1100
SJ200X25	200	25:1	4-40	280	140	7/4	1300







TIG WELDING ALUMINIUM SHEATHING LINE

MODEL HGJ60/180 | METAL SHEATHING EQUIPMENT

Application

The equipment is designed for manufacturing welded and corrugated metallic sheath for 110 kV-500 kV high-voltage and extra-high-voltage power cables.

Key Features

Integrated forming, TIG welding and corrugation process for metallic sheath.
Synchronous control of welding and traction for continuous seam quality.
Suitable for aluminium, copper and stainless-steel sheath applications.

Main Technical Specifications		
Cable Core Diameter Range		Φ50~Φ160mm
Welded Metallic Sheath O.D. Range		Φ60~Φ180mm
Welding Strip Thickness	Aluminum	1.2~3.5mm
	Copper	0.8~1.8mm
	Stainless steel	0.8~1.5mm
Welding Line Speed		0-6 m/min, stepless adjustment
Welding Current Range		DC, high-frequency arc ignition, 30-300 A
Synchronous control of welding and traction; welding can restart after optional shutdown while maintaining weld seam continuity.		
Corrugation Parameters	Corrugation Pitch Range	10~50mm
	Corrugation Depth Range	1~8mm
Equipment Center Height		1000mm high
Production Line Length		48m long





CONTINUOUS ALUMINIUM SHEATH EXTRUSION LINE

CONFORM EXTRUSION LINE

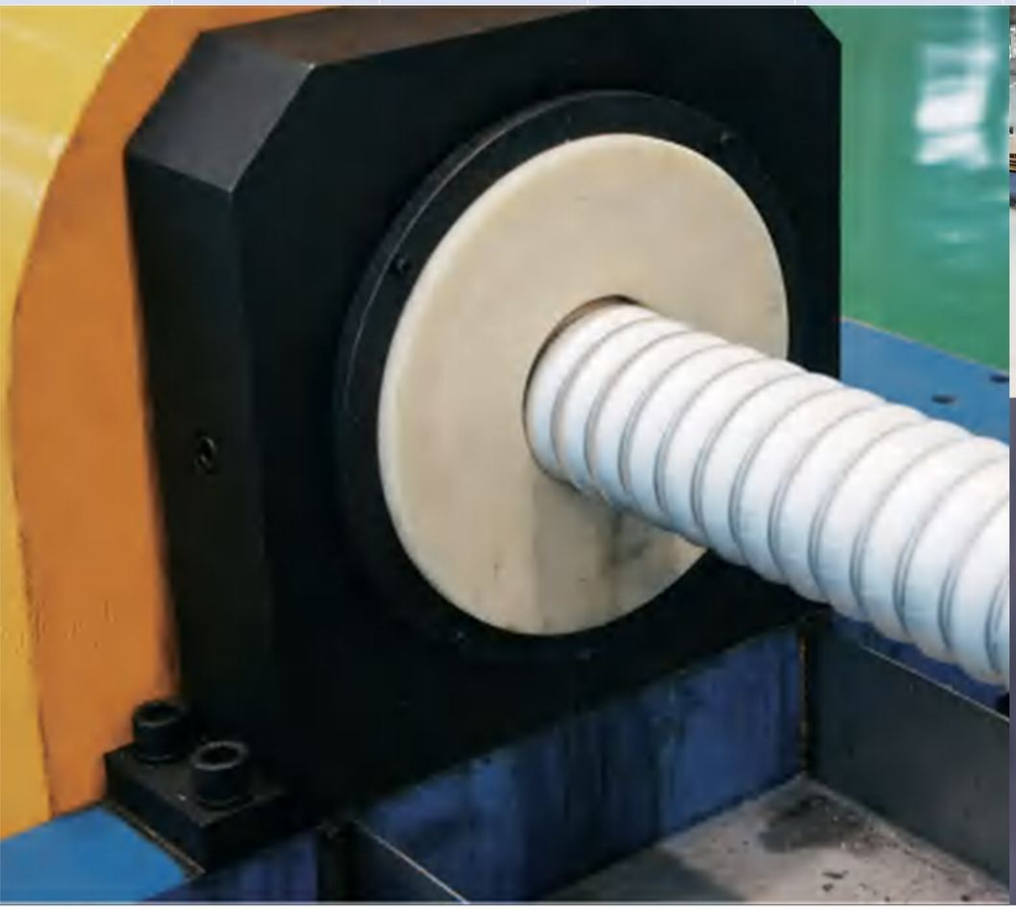
Application

MV cables with seamless aluminium sheath.
HV cables with seamless aluminium sheath.
EHV cables with seamless aluminium sheath.

Key Features

Continuous extrusion process for seamless aluminium sheath.
Suitable for HV and EHV cable aluminium sheath production.
Stable aluminium tube forming with customized line configuration.

Model	Rod Diameter (mm)	Extrusion (kg/h)	Aluminium Tube O.D. (mm)	Aluminium Tube Thickness (mm)	Corrugating Pitch (mm)	Corrugation Depth (mm)	Machine Size (L×W) (m)
LBF420*2	Φ9.5	400	Φ60~Φ170	1.5~4.0	10~50	2~8	62×11
LBF500*2		480	Φ60~Φ210	2.0~5.0		2~10	







LEAD SHEATHING EXTRUDER

TYPE YQL-150/5 | FOR CONTINUOUS LEAD SHEATHING

Application

This extruder is used for continuous lead sheathing of cables and rubber pipes. It can also support continuous lead extrusion and vulcanizing processes. Available models include YQL-200/5, YQL-150/5, YQL-120/5 and YQL-100/5.

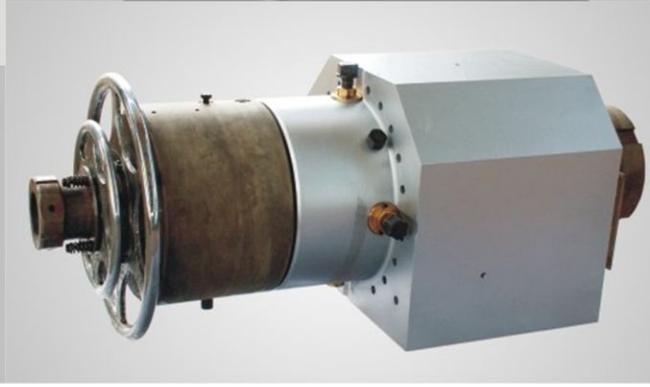
Key Features

Continuous lead sheathing process for power cables and rubber pipes.
Integrated lead melting and holding system for stable extrusion.
Die configuration can be selected according to cable size.

Main Technical Data of Type YQL-150/5	
Screw Diameter	150mm
Screw Speed	9-15rpm
Lead Holding Furnace	10t
Extrusion Output	15-35kg/min
Lead Melting Furnace	18t
Die Diameter Range (mm)	20-80 / 40-110







COPPER WIRE SCREENING MACHINE

PJP SERIES FOR POWER, COMMUNICATION AND CONTROL CABLES

Application

Copper wire screening of power cables, communication cables and control cables.

Key Features

315 mm and 400 mm reel configurations.
Reel counts from 40 to 120, depending on configuration.
Copper wire diameter ranges and rotational speeds are specified below.

Reel diameter	Single-wire diameter	Number of reels	Max. rotational speed	Line dimensions (L x W)
315 mm	0.6-2.0 mm	72 reels	60 rpm	44 x 7 m
315 mm	0.6-2.0 mm	80 reels	50 rpm	44 x 7 m
315 mm	0.6-2.0 mm	120 reels	40 rpm	45 x 7 m
400 mm	0.8-2.5 mm	40 reels	60 rpm	44 x 7 m
400 mm	0.8-2.5 mm	80 reels	45 rpm	47 x 7 m
400 mm	0.8-2.5 mm	96 reels	40 rpm	47 x 7 m







COPPER TAPE SCREENING MACHINE

PRT SERIES | CONCENTRIC HIGH-SPEED SCREENING

Application

Copper tape screening of power cables, communication cables and control cables.

Key Features

Concentric copper tape screening with servo-motor or hysteresis-brake tension control.
600 mm tape pads for copper tape widths of 15-60 mm.
Optional hoist for single-pad or batch loading.

Technical Parameters	Servo-Controlled Option	Hysteresis-Brake Option
Tape pad diameter	600 mm	600 mm
Copper tape width	15-60 mm	15-60 mm
Tension control	Servo motor	Hysteresis brake
Max. rotational speed	1,000 rpm	800 rpm
Line dimensions (L x W)	26 x 6 m	26 x 6 m





HIGH-SPEED BRAIDING MACHINE

16- AND 24-CARRIER VERTICAL BRAIDING FOR CABLE SCREENING

Application

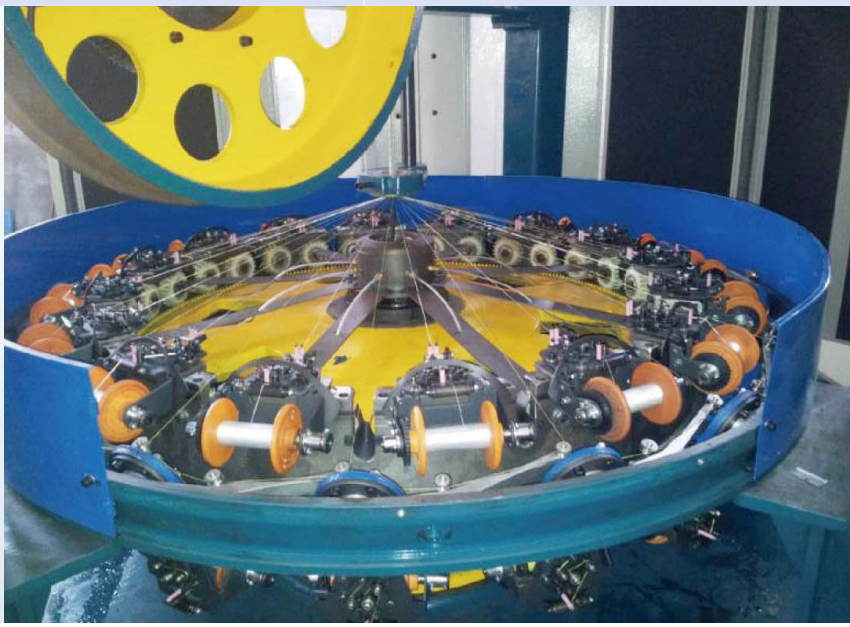
Metal-wire braiding for cable screening.
For computer, data and audio cable constructions.

Key Features

Vertical 16- and 24-carrier configurations with enclosed braiding zones.
Two-over / two-under braid with adjustable braiding pitch.
24-carrier model: automatic tension control and lubrication.

Technical Parameters	HGSB-16AB	HGSB-24AB
Number of carriers	16 carriers (8 + 8)	24 carriers (12 + 12)
Braiding wire diameter (mm)	0.08-0.20 mm	0.10-0.20 mm
Max. cable core diameter (mm)	16 mm	24 mm
Carrier speed (rpm)	0-150 rpm	15-100 rpm
Braiding pitch (mm)	3.2-32.5 or 6.4-65 mm	13.3-134.5 mm
Max. production speed (m/h)	580 m/h	800 m/h
Bobbin size (mm) OD x bore x winding width	75 x 22 x 70 mm	75 x 22 x 70 mm
Main motor power (kW)	1.5 kW	3.0 kW
Built-in pay-off / take-up reel OD (mm)	Up to 800 mm	Up to 800 mm
Machine dimensions (L x W x H, mm)	1200 x 1500 x 2050 mm	1500 x 1800 x 2350 mm





CRADLE-TYPE STEEL WIRE ARMOURING MACHINE

FOR STEEL WIRE ARMOURING OF POWER CABLES

Application

Steel wire armouring for power cables.

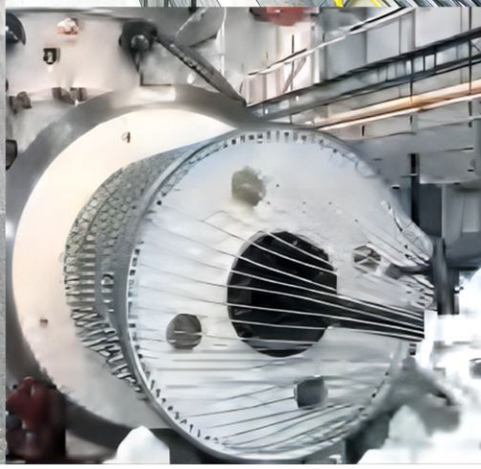
Key Features

Cradle-type cage structure for stable steel wire armouring.
Suitable for power cable armouring with different wire diameters.
Robust mechanical design for continuous production.

Reel Dia. (mm)	Max. Rotation Speed (rpm)									Wire Dimensions (mm)	
	18B	24B	36B	48B	60B	70B	80B	90B	100B	Round Wire Dia.	Flat Wire (W x H)
400	100	85	55							1.4-4.0	
500	85	75	45	35						1.5-5.0	(4-7) x (1.5-3)
600	70	60	40	30	15	15	15	15	15	1.8-6.0	(5-8.5) x (2-3.5)







TANGENTIAL STEEL TAPE ARMOURING MACHINE

FOR STEEL TAPE ARMOURING OF POWER CABLES

Application

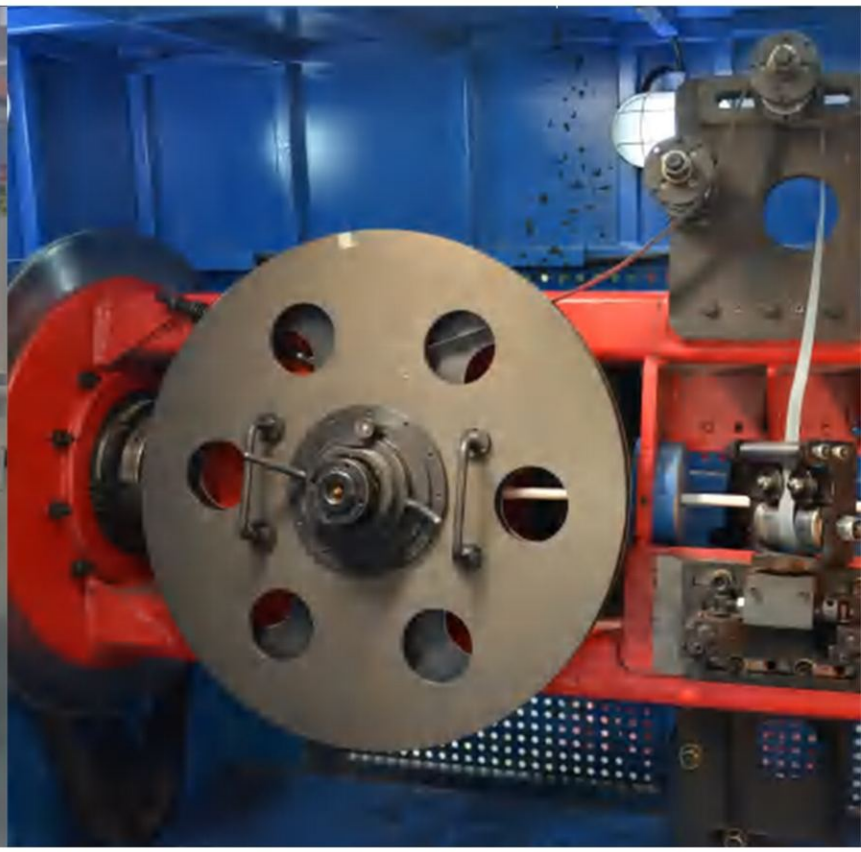
Power Cables Steel Tape Armouring.
Communication Cables Steel Tape Armouring.
Control Cables Steel Tape Armouring.
Mechanical tension control; servo motor tension control; hysteresis tension control.

Key Features

Hysteresis tension brake with automatic tape tension control.
Independent AC motor control for stable tape pitch.
Automatic detection and stop for tape break or empty tape.

Pad Size(mm)	Steel Tape Width (mm)	Max. Rotation Speed (rpm)	Max. Cable O.D. (mm)	Machine Size (L x W) m
Φ630	15~40	500	Φ90	28x6
Φ710	15~40	450	Φ120	30x7
Φ800	15~60	400	Φ150	30x7





CONCENTRIC INTERLOCKED ARMOURING MACHINE

MODEL KRH | INTERLOCKED ARMOURING EQUIPMENT

Application

Round cable interlocked armouring.
Flat cable interlocked armouring.

Key Features

Concentric interlocked armouring for round and flat cables.
Stable strip forming and interlocking process.
Suitable for flexible armoured cable structures.

Model	Max. Rotation Speed (rpm)	Tape Width(mm)	Tape Thickness (mm)	Armoured Cable O.D. (mm)	Machine Size(LxW)(m)
KRH-30	1200	9.5~12.7	0.5~0.8	30	23x5
KRH-50	1000	9.5~12.7	0.5~0.8	50	25x6
KRH-100	800	9.5~19.0	0.5~0.8	100	28x6
KRH-130	700	9.5~25.4	0.5~0.8	130	28x6







AC RESONANT PD TEST SYSTEM

FOR AC VOLTAGE WITHSTAND TEST, PD TEST AND LONG-DURATION CABLE TEST

Application

The AC resonant test system is used for AC withstand voltage testing and partial discharge testing of XLPE power cables and other high-voltage products. The system uses adjustable reactors to match the capacitance of the test object and achieve resonance, reducing input power and improving test efficiency.

Key Features

Designed for AC withstand voltage and partial discharge testing.
Low partial discharge level for accurate HV cable testing.
Modular system configuration according to voltage and capacity requirements.

Main Technical Parameters	
Rated voltage	100kV~1500kV(and above)
Rated Capacity	300kVA ~ 30000kVA(and above)
Noise	⩽ 75dB(2 meters away from equipment)
Q Factor (design)	20-100, depending on configuration
Partial Discharge	⩽2 pC at 80% rated test voltage
Load	under rated capacity, 1 hour on, 1 hour off, 3 ～ 6 times per day; under 50% capacity, continuous. Operation (Or we design as per customer requirement)





IMPULSE VOLTAGE TEST SYSTEM

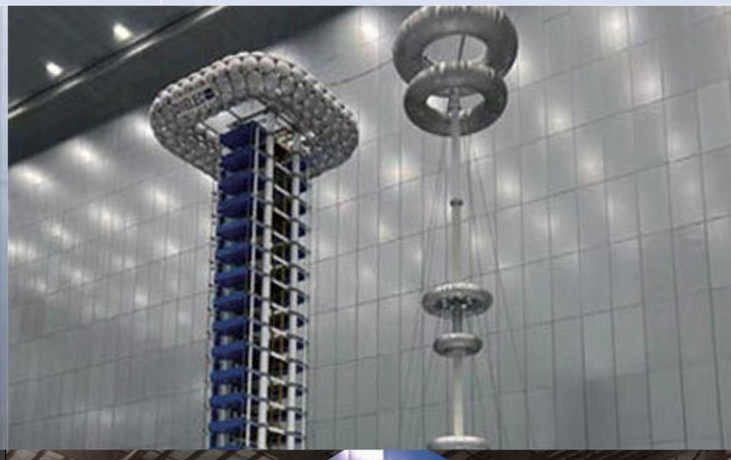
Application

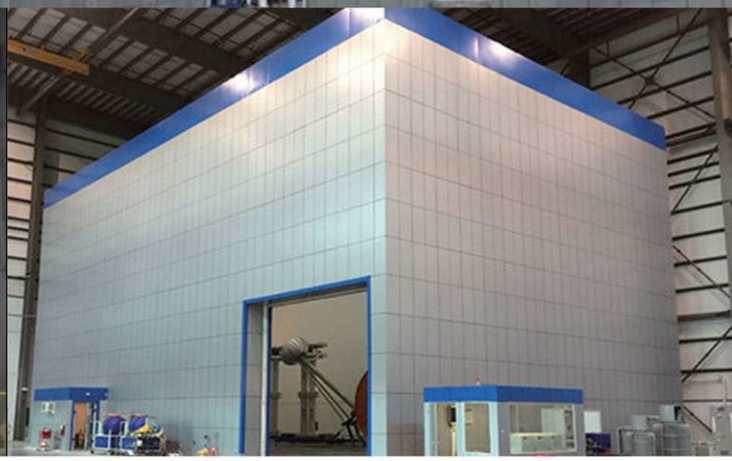
The system is used for lightning and switching impulse voltage tests of power cables, transformers, HV switchgear and other high-voltage products.

Key Features

Suitable for lightning and switching impulse voltage tests.
Applicable to power cables, transformers, HV switches and other HV products.
NI or PLC-based automatic control with multiple protection measures.
High-speed and high-resolution measurement configuration.

Main Technical Parameters			
Rated Voltage	±100 kV-6000 kV and above		
Rated Energy	2.5 kJ-1200 kJ		
Stage Voltage	±100kV, ±200kV		
Standard Lightning Impulse	1.2/50 μs		
Impulse Waveform	Efficiency 85～90%	Front ±30%; tail ±20%	
Switching Impulse	250/2500 μs	Efficiency 65～70%	Front ±20%; tail ±60%



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