

A decorative horizontal band with a background of diagonal lines in shades of blue, grey, and white. On the left side, there is a vertical strip with a blue and white geometric pattern. On the right side, there is a vertical strip with a blue and red gradient.

High quality technology solutions for wire and cable production

Ferrous | Copper | Aluminium >>>Your armour

Facts and figures

PRO-NEWLEAD We mainly produce drawing, bunching, enameling and coiling machine In China since 1996, we also can be scouring and supply chain management partner in China

More than 30 years of top-quality technology for the wire and cable industry

one of the world's leading manufacturers of wire-drawing , annealing, galvanic electroplating, bunching, take-up, rewinding, coiling and enameling of wire made of non-ferrous metals. machinery for the stranding, coiling and take-up of insulated data cables and special cables, automotive cables and power cables; the development, planning and turnkey delivery of fully-fitted cable factories; global service.

NEWLEAD has played a major role in the EXPORT of the wire and cable industry throughout its existence. And goal service engineers to do commissioning for our clients.We develop, build and plan innovative technologies at the heart of the wire & cableindustry. Competence, fairness and reliability are just some of the values that make the difference for customers in more than 30 different countries

Facts and figures about NEWLEAD

Core industries:

Wire industry and cable industry with a focus on the automotive, aviation and aerospace, electronics, telecommunications and transport industries

Core business:

Manufacture of lines and machinery for the drawing, annealing, galvanic electroplating, bunching, take-up, rewinding, coiling and enameling of wire made of non-ferrous metals; machinery for the stranding, coiling and take-up of insulated data cables and special cables, automotive cables and power cables; the development, planning and turnkey delivery of fully-fitted cable factories; global service.

Turnover 2018/2019: USD 2000000.00

Number of employees: 120

Number of trainees: 13

Number of employees plant 1: 80

Number of employees plant 2: 40

Locations:Suzhou,Changzhou,Wuxi

Export ratio: > 35%

Product Brief

Copper rod breakdown machine (with continuous annealing, double wire, individual motors, quickly change dies system, down coiler, double spooler, compact coiling option)



Item	13RBD	8RBD
Inlet diameter(mm)	8	8
Outlet diameter(mm)	1.2- 4.0	2.6-3.0
Max drawing speed(MPM)	1500	900
Max drawing dies No.	13	8
Max capstan diameter(mm)	450/400	
Fix speed capstan diameter(mm)	450/400	
Main motor KW	280/132	
Fix speed capstan motor	55KW/0	
Spooler motor	Double spoolers 15KWx2,down coiler 18.5kw	
Annealing	60V/6000A/3000A	
Dimension(mm)	26400x6700x5000	20000x6700x5000

Intermediate wire drawing machine (with continuous annealing, Double spooler ,down coiler options)



Technique parameter:

Item	11DT	17MDT	17DST
Inlet OD(mm)	3.0-3.5	2.5-3.5	2.5-3.5
Outlet OD(mm)	0.8-2.8	0.4-1.2	0.4-1.6
Max drawing dies No	11	17	17
Elongation	19.5%+16.5%	15%+11%	20%+15%
Max speed (MPM)	1200	1200	1800
Transmission	Gear	Chain	Gear
Main motor	55KW	45KW	55KW
Annealing power	165KVA	72KVA	90KVA
Spooler motor	15KW	11KW	15KW
Annealing DC	3000A	1200A	2000A
Take up spool (mm)	630	630	630
Loading	Pneumatic clamping, lifting		

1. Double wire RBD



2. Double wire IWD



3. Double wire FWD



4. Four wire FWD



Model	Inlet (mm)	Outlet (mm)	Wires	Dies	Cones (mm)	Finished capstan diameter (mm)	Annealing current (A)	Drive control	Speed (m / min)	Bobbin (mm)
MC190	0.7-1.2	0.15-0.5	2	22	190	200	800	AC	1500	250
MC250	2.5-3.5	0.4-1.7	2	17	250	250	3000	AC	1500	630
MC450	8	1.2-4.0	2	13	450	450	8000	AC	1500	800 Basket
MC220	1.2-2.0	0.15-0.6	4	20	220	220	1200	AC	1500	630



Fine wire drawing machine with continuous annealing(double spooler option)
Technique parameter:

Item	22FWDA	24FWDA	14FWDA	24SFWDA	22FWDAD
Inlet diameter(mm)	0.8-1.2	0.5-1.4	0.8-1.6	0.14-0.45	0.7-1.2
Outlet diameter(mm)	0.1-0.4	0.08-0.4	0.25-0.6	0.05-0.1mm	0.15-0.5
Max speed(MPM)	2000	2000	1200	1800	2400
Main motor	11KW	11KW	15KW	11kw	15KW
Annealing motor	16KVA	16KVA	30KVA	3KVA	18KVA
Spooler motor	3.7KW	3.7KW	5.5KW	2.2KW	3KW*2
Annealing method	DC. three-section annealing				
spool (mm)	200-300				200-250 double spooler
Dimension(mm)	2100Lx1600Wx1700H	2100Lx1600Wx1700H	2568Lx1538Wx2974H	2268Lx1338W1874H	3500x1200x2700
Weight	2600	2600	3000	2200	30

High speed fine wire drawing machine



Item	24HFWD	24VFWD	14FWD
Inlet diameter(mm)	1.0-1.6	0.5-1.2	0.8-1.6
Outlet diameter(mm)	0.1-0.4	0.08-0.3	0.25-0.6
Max drawing speed(MPM)	2500	2500	1500
Max drawing dies No.	24	24	14
Slip ratio of m/c	13%+ 8%	13%+ 8%	15%+ 8%
Motor KW	18.5+4	15+4	15+4
Take up (mm)	PND300	PND300	PND300-400



Item	24SFWD	20SFWD	24SFWD
Inlet diameter(mm)	0.12-0.55	0.15-0.4	0.025-0.05
Outlet diameter(mm)	0.03-0.12	0.05-0.12	0.016-0.03
Max drawing speed(MPM)	2000	2000	1500
Max drawing dies No.	24	20	24
Slip ratio of m/c	13%+12%	10.5%+6%	6%+5%
Main motor KW	7.5+4	3.7+2.2	2.7 +1.1
Take up spool (mm)	200	250	300

EDM Brass/copper alloy wire drawing machine (automatic loading system option)



Item	21DT	21ADT	17DT
Inlet diameter(mm)	1.2	1.2	3.2
Outlet diameter(mm)	0.1-0.3	0.1-0.3	0.8-1.6
Max drawing speed(MPM)	1200	1400	800
Main motor	15KW	15KW	45KW
Annealing motor	12KVA	12KVA	100KVA
Spooler motor	1.5KW	1.5KW(Automatic spooler)	11KW(down coiler)



Annealing-tinning machine (multi wire take up option PND630 MS bobbin)



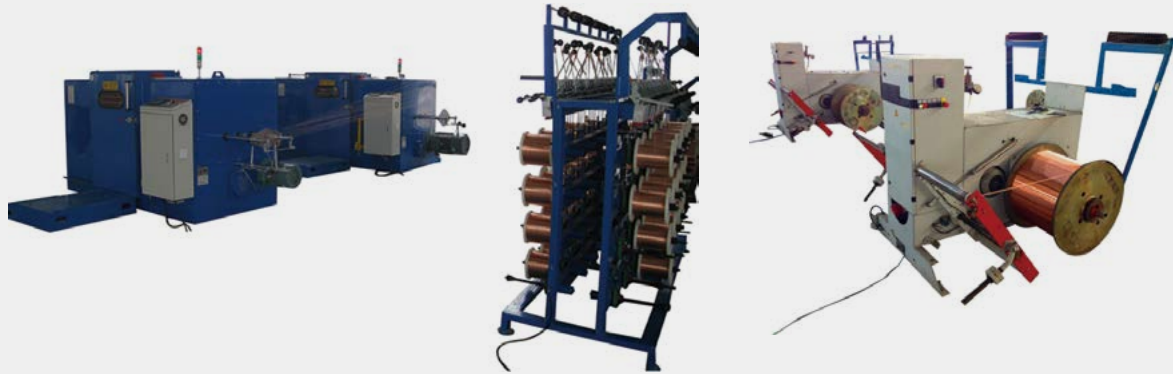
Inlet wire numbers	40H	32H	16H	12H
Inlet wire diameter mm	0.1-0.6	0.05-0.127	0.03-0.08	0.016-0.05
Max speed (MPM)	300			
Method	Electrical heat tubular annealing, hot dip tinning			
Annealing length M	6	3	2	2
Spooler dimension	PT5-25	PT3-PT8	PT3-P5	PT3-PT5
Total installed power	76.5KW	50KW	40KW	24kw

MULTI-WIRE DRAWING MACHINE



Model	Inlet Range (mm)	Outlet range (mm)	Production Heads	Drawing passes	Capstan diameter (mm)	Finished capstan diameter (mm)	Annealing current (A)	Drive control	Production speed (m / min)	Bobbin size (mm)
MC100	1.60 ~ 2.00	0.15 ~ 0.50	8	22/25	100	140	2000	AC	Max.1800	630
MC120	2.60	0.20 ~ 0.90	8	22/25	120	200	4500	AC	Max.1800	630
MC100	1.60 ~ 2.00	0.15 ~ 0.40	24	22/25	100	160/200	3000	AC	Max.1800	630
MC100	1.60 ~ 2.00	0.15 ~ 0.40	16	19/22/25	100	140/160	2500	AC	Max.1800	630
MC120	2.60	0.25 ~ 1.00	16	22/25/29	120	200/300	4500/7000	AC	Max.1800	630
MC100	1.60 ~ 2.00	0.15 ~ 0.40	24	22/25	100	160	3000	AC	Max.1800	630
MC100	1.60 ~ 2.00	0.15 ~ 0.40	14	17/22	100	200	4500	AC	Max.1800	630
	2.60	0.40 ~ 0.90	7							

Double twist bunching(multi wire payoff option)



Item	200	300	500	650	800	1000	1250
Single wire OD(mm)	0.016-0.08	0.05-0.28	0.08-0.45	0.12-1.04	0.38-1.7	0.3-2.14	0.5-2.52
Stranding sec. Area(mm ²)	0.0014-0.035	0.013-0.45	0.05-2.5	0.35-6.0	1.0-16	6.0-25	10-35
Pitch mm	0.8-4.0 (14classes)	1.6-21.6 (24classes)	6.3-52.3 (24classes)	11.6-100 (34classes)	23-147 (20classes)	35-149 (20classes)	41-155 (20classes)
Power KW	2.2	3.7	5.5	11	15	18.5	22
Magnetic powder clutch kgf	0.05	0.6	5	7.5	10	20	20
Take-up Bobbin	200	300	500	630	800	1000	1250
Max speed(RPM)	5000	3500	3000	2000	1600	1000	800
Tension control way	Touch screen+PLC+Magnetic powder clutch, automatic stop when wire break						
Dimension	2000Lx960W x1100H	2300Lx1100W x1300H	2600Lx1300W x1500H	3200Lx1500W x1800H	3600Lx2000W x2000H	4000Lx2200W x2100H	4500Lx2600W x2500H

PLC Extruder of power cable, building cable and insulation sheath cable



Machine specification

Machine Model	Pay-off lie axis (mm)	Screw diameter (mm)	Screw diameter ratio	Extrusions capacity kg/hr	Main machine motor power	Wire diameter specification	Cooling system	Store cable length (m)	Traction power	Line speed (m/min)	Take up type	Take-up axis spec	Take-up power
45+35	PN300-500	Φ45	26:1 BM type	50	15HP	Φ0.6-3.0	folds W type/U type	250	3HP	MAX500	Double axis axis	PN300-400	3HP
50+35	PN400-500	Φ50	26:1 BM type	70	15HP	Φ0.6-4.0	folds W type/U type	250	3HP	MAX500	Double axis axis	PN400-500	4HP
60+35	PN500-600	Φ60	26:1 BM type	100	20HP	Φ0.8-8	folds W type/U type	250	4HP	MAX500	Double axis axis	PN400-500	4HP
65+35	PN400-630	Φ65	26:1 BM type	120	25HP	Φ0.8-10	Single layers double layers u type	250	5HP	MAX500	Axis ouch equipmet	PN500-630	4HP
70+35	PN400-630	Φ70	26:1 BM type	130	30HP	Φ1.5-12	Single layers double layers u type	200	5HP	MAX500	Axis ouch equipmet	PN500-630	4HP
80+35	PN400-630	Φ80	26:1 BM type	200	40HP	Φ2-20	Single layers double layers u type	200	7.5HP	MAX450	Axis ouch equipmet	PN500-630	5HP
90+35	PN400-800	Φ90	26:1 BM type	250	50HP	Φ3-25	Single layers double layers u type	200	7.5HP	MAX400	Axis ouch equipmet	PN500-630	5HP

PLC Extruder of The large cable extrusion line



Machine specification

Machine model	Φ80	Φ90	Φ120	Φ150	Φ200
Pay-off way	Shaftless				
Pay-off bobbin	500-630mm	630-800/1000mm	1600-2000mm	2000-2500mm	2000-3500mm
Screw diameter (mm)	80mm	90mm	120mm	150mm	200mm
Screw diameter ratio	26:1	26:1	28:1	28:1	28:1
Extrusion volume (kg/h)	200kg/h	300kg/h	400kg/h	680kg/h	900kg/h
Main power (HP)	40hp	60HP	70HP	100HP	150HP
Finished OD	7-30mm	10-40mm	18-120mm	30-150mm	40-180mm
Cooling device	Water sink				
Caterpillar	7.5HP 1250kg	7.5HP 1600kg	11HP 2000kg	20HP 2500kg	20HP 3200kg
Production speed	Max.250m/min	Max.200m/min	Max.150m/min	Max.100m/min	Max.100m/min
Take-up way	Shaftless				
Take-up bobbin	630-800mm	630/1500/2000mm	2000/2500mm	2500/3000mm	2500/3500mm

PLC Extruder of Power cable Computer wire and insulation sheath cable and building cable etc.



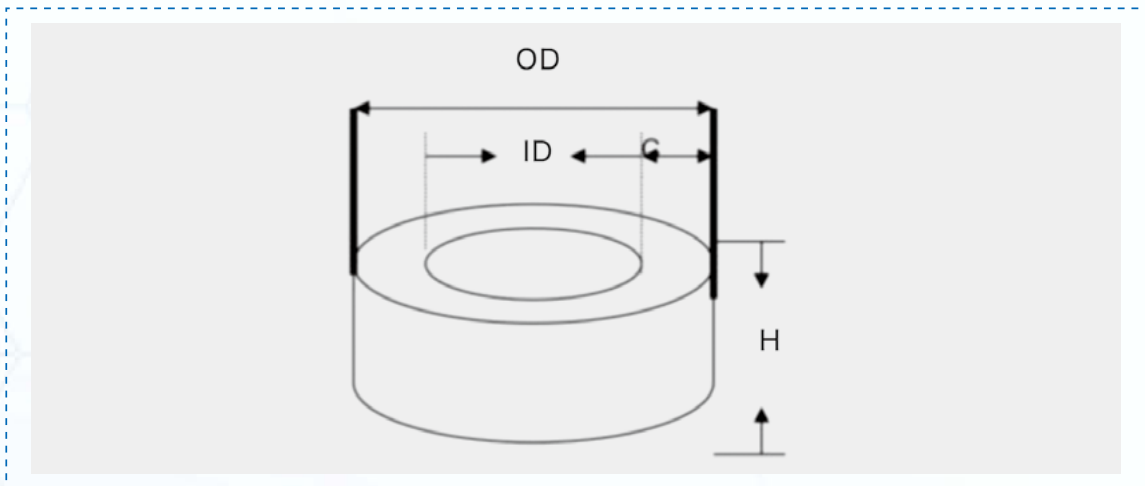
Machine specification

Machine model	Pay-off lie axis	Screw diameter	Screw diameter ratio	Extrusions capacity kg/hr	Main machine motor power	Wire diameter specification	Temperature control	Traction power	Store cable length (m)	Line speed (m/min)	Take up type	Take-up axis spec	Take-up power
50	PN400-500	Φ50	25:1	70	15HP	Φ0.6-4.0	5paragraph	3HP	250	MAX500	Double axis/axis	PN400-500	3HP
60	PN500-600	Φ60	25:1	100	20HP	Φ0.8-8.0	6paragraph	4HP	250	MAX500	Double axis/axis	PN400-500	3HP
65	PN400-630	Φ65	25:1	120	25HP	Φ0.8-10	6paragraph	5HP	250	MAX500	Axis/bunch equipmet	PN500-630	4HP
70	PN400-630	Φ70	25:1	150	30HP	Φ1.5-12	6paragraph	5HP	200	MAX500	Axis/bunch equipmet	PN500-630	4HP
80	PN400-630	Φ80	25:1	200	40HP	Φ2-20	6paragraph	7.5HP	200	MAX450	Axis/bunch equipmet	PN500-630	5HP
90	PN630-800	Φ90	25:1	250	50HP	Φ3-25	7paragraph	7.5HP	200	MAX400	Axis/bunch equipmet	PN500-630	5HP

Cable coiling labeling and wrapping all in one line



Cable coiling binding heat shrinking film packing and labeling



Model	Height mm	OD mm	ID mm	Cable diameter mm	Speed m/m	100m/coil
C1040	40-100	200-400	140-200	1-8	500m/m	2.5 coils/m
C1860	60-80	400-600	160-250	6-17	200m/m	1 coil/m

Super saving power enameling machine

Horizontal enameling machine 250KW.H in 24 hours(old technology is 550kw.h in 24 hours)

Vertical enameling machine 700KW.H in 24 hours(old technology is 1200kw.h in 24 hours)

1:Developments of catalyst combustion and heat exchange efficiency.Heat dissipation by radiation has been decreased by modifications of heat insulations.

2:Exhausted heat has been effectively transferred to heating oven,dryer,steam generator and so on by stainless steel pipe.

3:Exhaust gas treating catalyst is standard configuration.Effective 320 degree,do not need any auxiliary heating,reducing carbon and hydrogen content in the exhaust gas.

4:Three times fully catalyst burning.No smell.Zero Pollution. Environmental protection.Good healthy for employees.

5:Save about 100,000-250,000USD power consumption charges in 10 years.



Horizontal machine is suit for 0.02-0.8mm options

Vertical machine is suit 0.8-3.5mm options

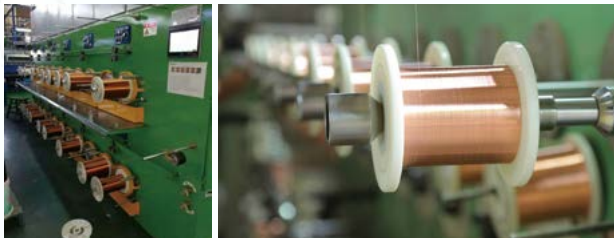
Products:ENAMELED WIRE
 Copper wire
 Size range:0.04mm-3.5mm
 Thermal rating:Class130,Class155,Class180,Class200,Class220
 Aluminum wire:
 Size range (0.14mm-2.0mm)
 Thermal rating:Class130,Class155,Class180,Class200,Class220



Copper Enamel workshop-copper wire sizes from 0.10mm to 3.5mm PEW/UEW/EIW



UEW COPPER ENAMELED WIRE
 Size range:0.035mm-0.80mm
 Thermal rating:Class155,Class180.
 Conductor: Copper, Copper clad Aluminum.
 Can make different colors according to customer's requirements.



We have complete testing equipment and Advanced quality control mode.
 Dielectric loss test: It is to test the solidification degree of enamel.
 Static friction coefficient test.
 Voltage testers.
 Corona resistant test.
 Cold media test and so on.



Main models (Enameling with drawing, big spool take up, Semi-automatic take up, Fully automatic take up options)

Model	Wire Dia mm	Numbers of production	Coating passes by dies	Wire Distance	Max speed m/m	Take up spool mm	Installation power KW	Power consumption KW.H/Day
1800	0.02-0.05	1	24	6	1000	170	19	120
3000	0.05-0.1	28	8	5	450	PT4-10	80	200
4000	0.10-0.3	24	9	6	350	PT4-25	110	250
4500	0.25-0.6	24	8	7	150	PT4-25	120	280
5000	0.6-1.0	20	9	7	150	PT10-60	150	300
7400	0.8-3.0	20	10	12.5	50	PT15-60	270	700
8000	5-65 mm ²	6(3+3)	12	12.5	15	PN500	500	1700

Rigid Stranding Machine with Front Auto-loading

For copper, aluminum & steel wires

- ◆ Rigid type stranding machine working without back twist movement. Each cage is equipped with a multi-bobbin auto-loading carrier
- ◆ This machine series is designed to work with round, straight sector or prespiral sector cables of 19/37 /61 /91 copper and aluminum conductors as well as for armouring insulated cables with galvanized steel wires
- ◆ Wire tension control is made by pneumatic disk brakes. Alternatively when using the machine for laying up control cables we can apply hysteresis brakes
- ◆ The transmission of the cages can be done by one single DC motor connected to the cages through a counter shaft or optionally can be run with multi motored drives, having each cage its own AC servomotor
- ◆ The machine is provided with HMI+PLC control system for pre-setting stranding pitch, twist direction, automatic tension compensation control, and for speed synchronization with the pulling capstan and take



		ST50				
MODEL		6B	12B	18B	24B	30B
BobbinsΦ(mm)		500	500	500	500	500
Inlet WireΦ(mm)	Copper	1.5-3.6	1.5-3.6	1.5-3.6	1.5-3.6	1.5-3.6
	Aluminum	1.75-5.0	1.75-5.0	1.75-5.0	1.75-5.0	1.75-5.0
StrandedΦ(mm)		80	80	80	80	80
Line Speed(m/min)		45	45	45	45	45
Rotor Speed(rpm)	Copper	240-350	205-300	165-230	125-175	98-130
	Aluminum	300-350	250-300	310-230	150-175	105-120
Motor Power, Single type(KW)		Depends on cages configuration				
Motor Power, Individual type(KW)		45AC	55AC	63AC	63AC	63AC

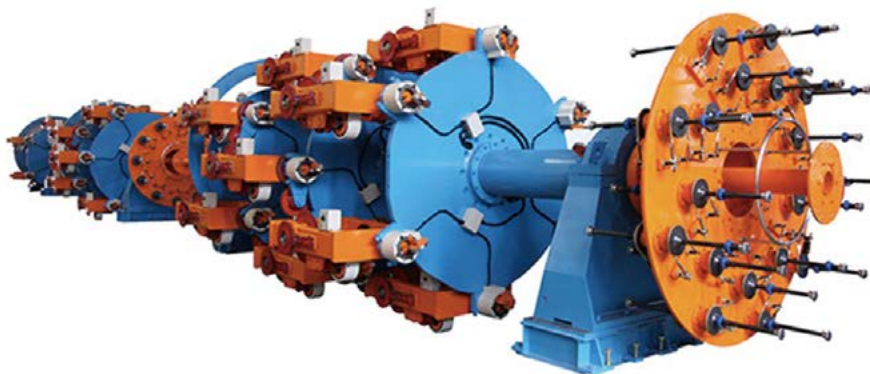


ST63				
6B	12B	18B	24B	30B
630	630	630	630	630
1.5-3.6	1.5-3.6	1.5-3.6	1.5-3.6	1.5-3.6
1.75-5.0	1.75-5.0	1.75-5.0	1.75-5.0	1.75-5.0
80	80	80	80	80
45	45	45	45	45
210-300	180-260	140-200	105-150	80-110
260-300	220-260	170-200	130-150	90-105
Depends on cages configuration				
55AC	63AC	75AC	75AC	75AC

Planetary Type Stranding Machine

For copper & aluminum

- ◆ Planetary type stranding machine working with 100% back twist movement
- ◆ This machine is designed to give you the best performance for 19 /37 PVC control cable and optic fiber cable lay up
- ◆ Wire tension control done through hysteresis brakes installed on each pay off. The set is complete with an automatic electrical compensation control in order to keep the tension constant when going from full bobbin to empty bobbin
- ◆ The transmission of the cages can be done by one single DC motor connected to the cages through a counter shaft or alternatively each cage can be equipped with its own AC servo motor
- ◆ The machine is provided with HMI+PLC control system for pre-setting stranding pitch, twist direction, automatic tension compensation control, and for speed synchronization with the pulling capstan and take up unit
- ◆ Also, the machine can be provided with a yarn filer plate located at the outlet of the machine and designed for a maximum of 24 pieces of filin bobbins



	SP50			SP63		
MODEL	6B	12B	18B	6B	12B	18B
Pay off ReelΦ (mm)	500	500	500	630	630	630
Bobbin Capacity (kg)	200	200	200	350	350	350
Inlet WireΦ (mm)	1.3-4.0	1.3-4.0	1.3-4.0	1.4-5.0	1.4-5.0	1.4-5.0
Finished CableΦ (mm)	40	40	40	50	50	50
Rotor Speed (rpm)	140	100	60	120	80	50
Motor Power (single) (kw)	Depends on cage configuration					
Motor Power (individual) (kw)	37AC	37AC	45AC	45AC	45AC	45AC
CapstanΦ (mm)	1600	1600	1600	2000	2000	2000
Capstan Power (kw)	22-45AC	22-45AC	22-45AC	22-45AC	22-45AC	22-45AC

Laying up machine

Application: The machine is used for stranding or armouring all kinds of different cross-section core rubber cable, power cable, control cable and charging pile cable production process.

Component: Central pay-off, frame host, assemble holder, taping device, armouring device, Meter counter, traction device, take-up and traversedevise, transmission and electric control system.



Technical Parameter

Model	1000	1250	1600	2000
Inlet wire Dia. (mm)	5-20	6-25	10-35	15-45
Lay-up Dia. (mm)	60	80	100	120
Frame rotation speed (r/min)	10-25		5-13	3.9-11.2
Lay-up Pitch (mm)	208-3680		420-7569	362-6969
Taping speed (r/min)	188-419		188-419	
Taping pitch (mm)	11.9-195.9		13-213	
Armouring Speed (r/min)	188-419		188-419	
Armouring Speed (mm)	11.9-195.9		13-213	
Capstan Dia.(mm)	2000	2000	2500	
Linear Speed (m/min)	4.98-36.82		5.31-40.08	

Bow Type Skip Stranding Machine

For Copper & Aluminum

- ◆ High speed bow type skip stranding machine working with 100% back twist movement. Designed to work with 7 rounds and compact copper or aluminum conductors
- ◆ Steel plate rotating bows
- ◆ Wire tension control is done through band type brakes or by hysteresis brakes (Optional)
- ◆ Main rotor, pulling capstan and take up unit are driven independently by AC servo motors
- ◆ HMI+PLC control system for pre-setting stranding pitch, twist direction, automatic tension compensation
- ◆ control and speed synchronization with the take up unit



MODEL	SW-50	SW-56	SW-63
Pay off Φ (mm)	500	560	630
Copper wire Φ (mm)	1.0-2.4	1.2-2.6	1.4-2.8
Aluminum wire Φ (mm)	1.2-3.0	1.4-3.5	1.6-4.0
Motor power (kw)	37	45	45
Rotor speed (rpm)	1200	1000	1000
Line Speed (m/min)	180	150	150
Capstan Φ (mm)	1000	1000	1000
Capstan power (kw) (AC servo)	37	37	37

Bow Type Laying Up Machine

From 2 to 6 cores of ABC aerial cables

- ◆ Bow type laying up machine working with back twist movement to lay up from 2 to 6 cores of ABC aerial cables, control cable or power cable
- ◆ This machine can use either dual wheel pulling capstan for medium size cables or haul off caterpillar for larger size power cables
- ◆ Main rotor, pulling capstan (or caterpillar) and take up unit are independently driven by AC servo motors
- ◆ HMI+PLC control system for pre-setting laying up pitch and speed synchronization with the take up unit
- ◆ Tension control done through band brakes manually adjustable
- ◆ Additional tension control system consisting in powder brakes. The set is complete with an automatic electrical compensation control
- ◆ In order to keep the tension constant when going from full bobbin to empty bobbin
- ◆ Optional yarn fill plate, design for a maximum of 24 pieces of filinin bobbins



MODEL		KW-100	KW-125	KW-160
Pay off Φ (mm)		1000	1250	1600
Line Speed (m/min)		150	150	150
Conductor Section (mm ²)	1+3B	8-70	10-95	14-120
	1+4B	10-70	14-95	14-120
	1+5B	14-70	14-95	25-120
Max. Core Φ (mm)		12	16	20
Rotor speed (rpm)		500	400	400
Motor power (kw)	1+3B	45AC	55AC	65AC
	1+4B	55AC	65AC	75AC
	1+5B	65AC	75AC	90AC

EDXRF SPECTROMETER

Application fields -alloy composition , precious metal analysis , RoHS, halogen-free , Toy Directive , plating thickness measurement

Application Area

- ◆ 1.Halogen-free Directive testing
- ◆ 2.Alloy analysis range (especially light elements)

Composition analysis and grade determination of aluminum alloy
 Composition analysis and grade determination of copper alloy
 Composition analysis and grade determination of stainless steel
 Composition analysis alloy steel, cast iron and pig iron

- ◆ 3.analysis of plating thickness

Plating component analysis
 Plating solution environmental analysis

- ◆ 4.Packaging Directive testing (94/62/EC)

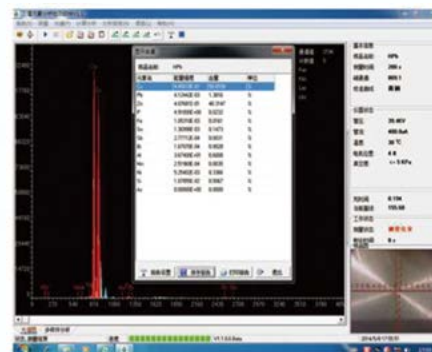
Cd+Pb+Hg+Cr 6+<100

- ◆ 5.Toy Directive testing standards EN71-3



Technical Parameters

Basic parameters	
Elemental analysis range	Na-U
Content detection range	1ppm-99.99%
Measurement time	60-200sec (adjustable)
Energy resolution	129±5eV
Pumping speed of vacuum system	1L/S(50Hz)
Instrument dimension	700×430×395mm
Dimension of sample chamber	520×310×120mm (Non-vacuum) Φ100×70mm (vacuum)
Instrument weight	54KG



Report no:MR-0000120

Sample name:	Brass bar	Measurement time	100(s)	
Supplier		Tube pressure	45.7KV	
Testing date		Tube flow	302.0uA	
Test organization	3V Instrument	Count rate	38122.3	
Operator	Operator			
Vacuum	≤5KPa			

Test results

Element name	Content	Unit	Element name	Content	Unit
Cu	57.8625	%	Pb	1.2136	%
Zn	39.2172	%	P	0.0058	%
Fe	0.4750	%	Sn	0.8024	%
Sb	0.0356	%	Bi	0.0057	%
Al	0.0134	%	Mn	0.0215	%
Ni	0.3284	%	Si	0.0021	%
As	0.0042	%	Cd	0.0026	%

Cold welding machine with mould

LS0S (J0) 型



外形尺寸	长 × 宽 × 高 (mm)
External dimension	L × W × H (mm)
	150 × 40 × 155 (mm)
重量	500g
The range of wire	铜 (Cu) 0.05mm-0.15mm
	铝 (Al) 0.07mm-0.15mm

LS1S (J2-A) 型

机体为不锈钢 The organism is made of the cast stainless steel accurately



外形尺寸	长 × 宽 × 高 (mm)
External dimension	L × W × H (mm)
	250 × 80 × 80 (mm)
重量	1.4Kg
The range of wire	铜 (Cu) 0.30mm-0.90mm
	铝 (Al) 0.30mm-1.00mm

LS3T-A (J3-A) 型

机体为铸铁 The organism is made of the cast steel



外形尺寸	长 × 宽 × 高 (mm)
External dimension	L × W × H (mm)
	300 × 180 × 300 (mm)
重量	36Kg
The range of wire	铜 (Cu) 1.00mm-3.25mm
	铝 (Al) 1.00mm-5.00mm

LS1S (J1-B) 型

机体为不锈钢 The organism is made of the cast stainless steel accurately



外形尺寸	长 × 宽 × 高 (mm)
External dimension	L × W × H (mm)
	105 × 60 × 145 (mm)
重量	800g
The range of wire	铜 (Cu) 0.10mm-0.50mm
	铝 (Al) 0.10mm-0.50mm

LS2T-B (J2-B) 型

机体为球墨铸铁 The organism is made of the nodulap cast iron



外形尺寸	长 × 宽 × 高 (mm)
External dimension	L × W × H (mm)
	220 × 160 × 230 (mm)
重量	11Kg
The range of wire	铜 (Cu) 0.30mm-1.20mm
	铝 (Al) 0.30mm-1.40mm

LS5TY-A (J5-A) 型

接线范围 The range of wire

外形尺寸	长 × 宽 × 高 (mm)
External dimension	L × W × H (mm)
	1190 × 570 × 1100 (mm)
重量	650Kg
The range of wire	铜 (Cu) 4.00mm-8.00mm
	铝 (Al) 4.00mm-15.00mm (扁线、异形线材按截面积计算)



Pulse IR light Diameter Gauge



DDM-3020/3030

型号 Type	DDM-3020	DDM-3030
Effective measuring range	≤ 20mm	≤ 30mm
Recommended measuring range	0.2~16mm	0.2~28mm
Measuring precision range	± (0.002mm+0.02% 测径仪读数)	
Light exposure duration	≤ 200 μs / 次 / 秒	
Scan rate	1800 次 / 秒	
Interface	RS-485	
Height adjustable	850-1100mm	
Weight	11Kg	
Outline	100mm × 100mm × 432mm	

Technical Parameters



DDM-2050L

DDM-2100L

DDM-25XY/50XY

Type	Effective measuring range	Recommended Measuring range	Measuring accuracy
DDM-2050L	50mm	0.1-48mm	± (0.002+0.02%D)
DDM-2100L	100mm	0.5-95mm	± (0.005+0.02%D)
DDM-25XY	25mm	0.1-25mm	± (0.002+0.02%D)
DDM-50XY	50mm	0.1-48mm	± (0.002+0.02%D)

Steel wire rod on-line rust cleaning machine/sand grinding descaler



Model	NEWLEAD-1180
Material	H.M.L carbon steel/alloy wire
Wire diameter	Φ5.5mm-Φ8.0mm(OEM)
Max speed	150m/min
Wire strength	200mpa-2500mpa
The maximum speed of belt	1000rpm(50Hz) 4.6m/s
Abrasive belt polishing machine power	7.5KW
Pass line	Pass line:1000mm(OEM)

Straight-line drawing machine



Capstan Dia.-mm	300	350	400	450	500	560	600	700	800	900	1000	1200
Material Strength	≤1250Mpa											
Drawing No.	2-11	2-11	2-11	2-12	2-12	2-12	2-12	2-9	2-9	2-9	2-9	2-9
Max.Inlet.Dia.-mm	2.8	3.5	4.2	5.0	5.5	6.5	8	10	12.7	13	13	14
Min.Outlet.Dia.-mm	0.5	0.6	0.75	1.0	1.2	1.4	1.6	2.2	2.6	3.0	3.5	4.0
Max.Speed-m/s	25	20	20	16	15	15	12	12	8	7	6	6
Drawing Power-KW	7.5-11	11-18.5	11-22	15-30	18.5-30	22-45	30-45	37-55	45-75	90-132	90-132	110-160
Transmission	One-class belt transmission , Hardened gear reducer transmission											

Layer rewinding/spooling/coiling machine



For the layer winding of metal wires such as MIG wire, flux cored wires, aluminum wires, spray wires,

aluminum alloys wires, copper alloy wires, nickle alloy wires. Packing on plastic spools, wire spool or spool coils.

During the production of different diameter of wires, just input the data on touch screen, no need to do mechanical adjustment.

Different fixtures are optional for different packing demand.



Fixture for plastic spool

Fixture for wire spool



Fixture for plastic spool

Different kind of packing



Model	NL-5DA
Packing	270-360 plastic spools, empty coil, wire basket
Wire Dia	0.8mm-3.0mm
Max. Speed	20m/s
Take up power	5.5KW
Payoff power	11KW(for 630mm spool)



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