

Professional solution supplier for **WIRES & CABLES**

DONGGUAN GEMWELL ELECTRICAL MACHINERY CO., LTD

JIANGSU GEMWELL ELECTRICAL MACHINERY CO., LTD

DONGGUAN FELIX MACHINERY CO., LTD

1

Company profile

2

Products

3

Services

4

Customers

1. Company profile

1.1

Overview

1.2

Full view

1.3

Factory tour

1.4

Market promotion

Cooperative partner of world leading wire and cable manufacturers

Setup year

Dongguan: In Humen town, Dongguan city, Guangdong province in 2005
Felix: Same town in Dongguan city, founded it as individual twisting series in 2016
Jiangsu: Expansion in Jiangsu province, founded in 2019

Main product

Extruder line, stranding line, bunching line, taping line, winding line, twisting line, special customized line, especially a whole set of intelligent control machinery solutions.

Application

Power cable, control cable, high frequency cables, communication cables, data cable, signal cable, LAN cable, special cables, medical cables, robotic cables etc.

R & D

Over 10 senior experienced engineers in our R&D team, close links with the market, keeps on making efforts on innovation and development

Marketing

Sales team and after-sales office in Suzhou,
agent in Brazil and Turkey,
branch GEWMAX in India,
representative office in USA,
providing reliable products and service to over 42 countries around the world

Gemwell full view



Gemwell company tour



Reception



Sales



R & D



General office

Gemwell factory tour



Accessories processing



Semi-finished processing



Warehouse



Assembling

Felix view



Felix company view



Full view



Assembling



General office



GM office

Gemwell (Jiangsu)



Precise Cable Industrial Zone



Gemwell (Jiangsu)



Gemwell (Jiangsu)



Gemwell (Jiangsu)



Gemwell (Jiangsu)



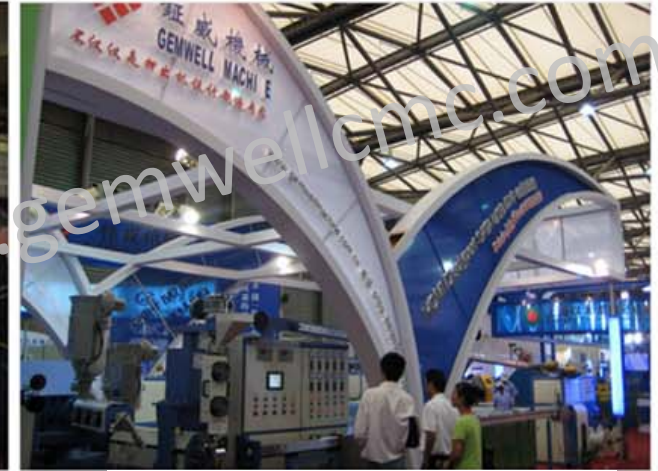
Market promotion



2006 Shanghai



2007 Shanghai



2008 Shanghai



2009 Guangzhou



2009 Shanghai



2010 Guangzhou

Market promotion



2010 Shanghai



2011 Guangzhou



2011 Shanghai



2012 Guangzhou

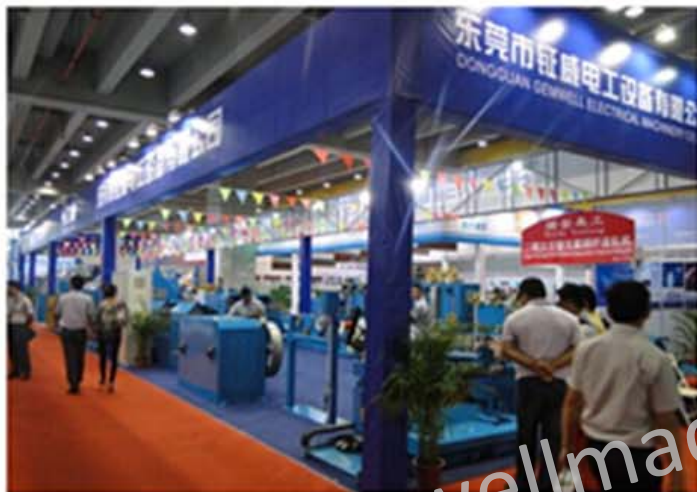


2012 Shanghai

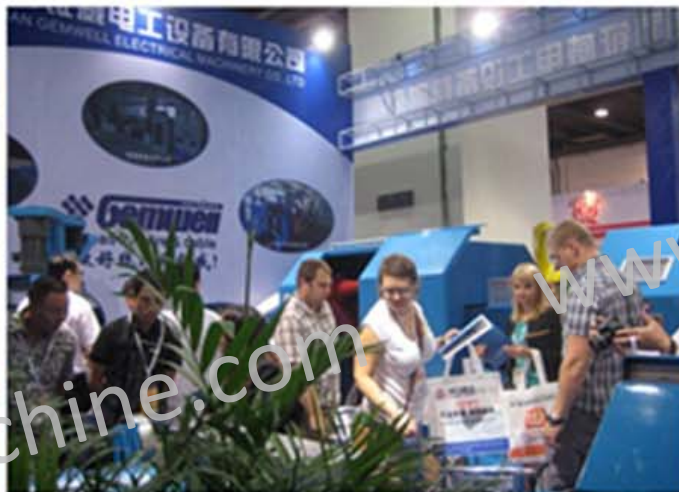


2013 Houjie UL

Market promotion



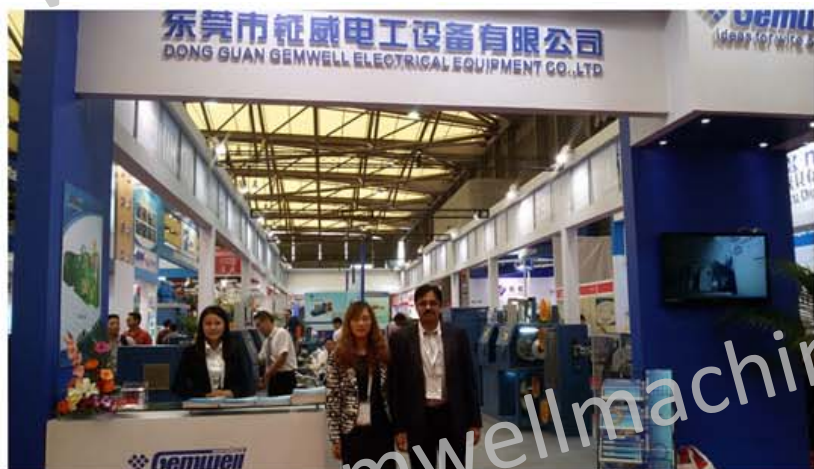
2013 Guangzhou



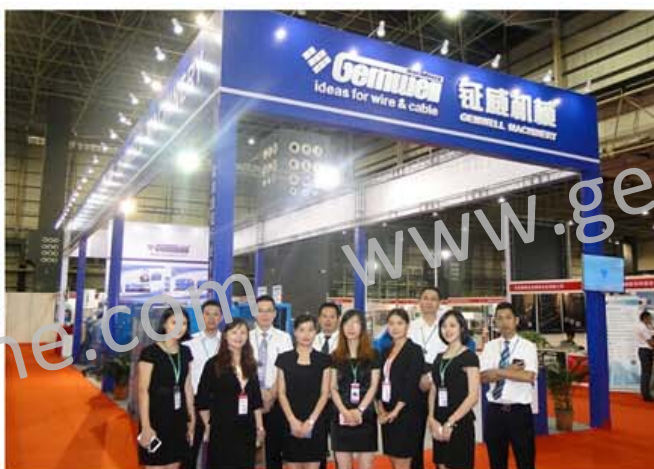
2013 Shanghai



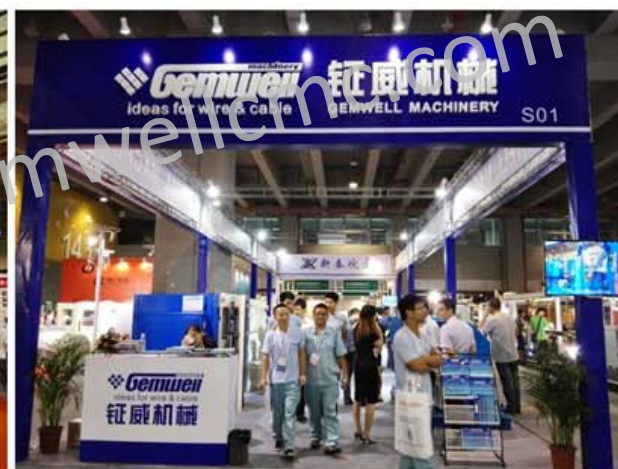
2014 Guangzhou



2014 Shanghai

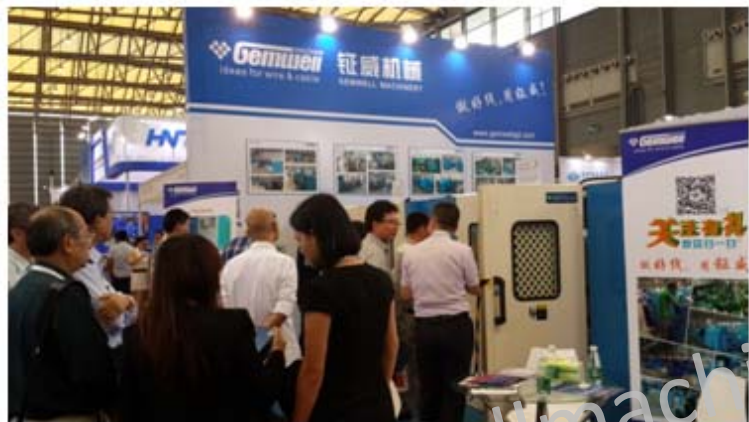


2015 Houjie UL



2015 Guangzhou

Market promotion



2015 Shanghai



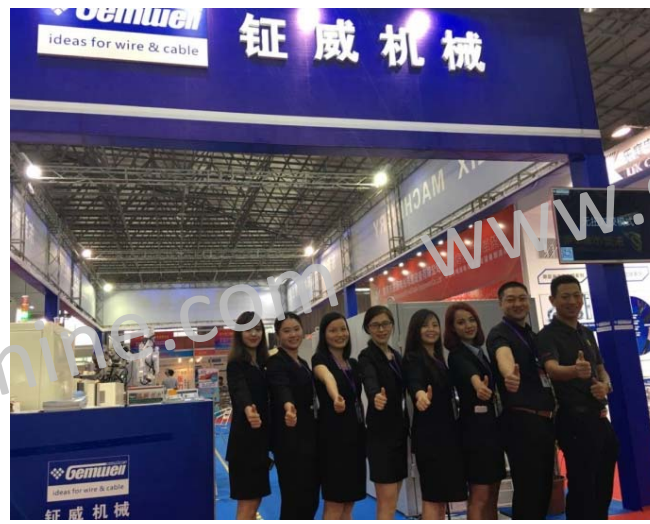
2016 Guangzhou



2016 Shanghai



2017 Guangzhou



2017 Humen



2017 Shanghai

Market promotion- abroad



2012 Germany



2012 India



2014 Iran



2014 India



2015 Russia



2015 Turkey

Market promotion- abroad



2015 Thailand



2015 Brazil



2016 Germany



2016 Iran

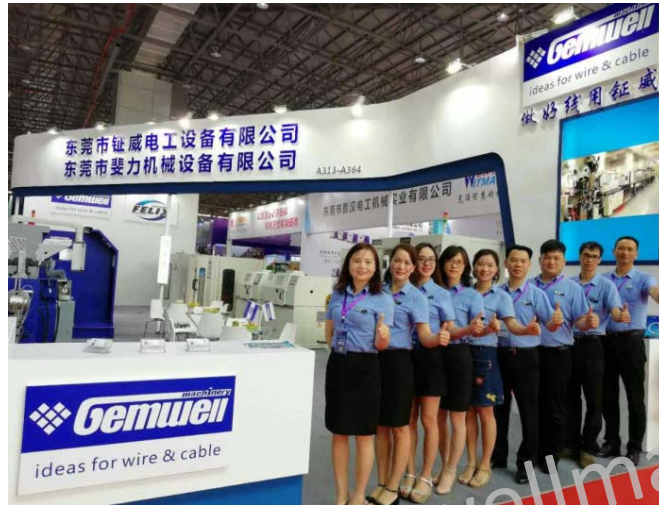


2016 India



2018 Germany

Market promotion



2018 Humen UL



2018 Shanghai



2018 India



2019 Shanghai



2019 India



2020 Shanghai

2. Products

2.1

Taping line

2.2

Twisting line

2.3

Extrusion line

2.4

Winding machine (USB3.1 winding machine)

2.5

Accessory equipments

2.6

Brands of key parts

Taping line

Taping line

Vertical

Horizontal

Micro fine

High frequency

Fire resistant

High frequency

Fire resistant

Round cable

Flat cable

Round cable

Flat cable

Servo motor driven taping machine



Usage: Suitable for high frequency cable, aerospace wire, military cable, servo base station control cable which single or multi layers taping on PTFE tape, BOPP tape, Polyimide tape, etc.

Servo motor driven taping machine

Usage

Suitable for high frequency cable, aerospace wire, military cable, control cable which single or multi layers taping on PTFE tape, BOPP tape, Polyimide tape, etc.

Machine features

1. Stop machine once tape breaks or finishes, with retreating
2. Auto tracking tension, stable tension from empty to full tape
3. Servo motor driven tension control, auto tension tracking once setting parameter

Parameters

Model	TAP100/150/200/250 (Bobbin/pad tape)
Suitable materials	PTFE unsintered tape, PTFE semi-directional tape, silver plated tape, polyimide tape, Aluminum foil, Mylar tape, copper foil
Rotate speed	MAX1800rpm
Suitable wire dia.	Φ0.2-1.5mm; Φ0.5-3.5mm; Φ1.5-5.0mm; or customized
Taping direction	S/Z
Tape width	2~15mm(bobbin); over 15mm(pad)
Tape size	Bobbin height MAX100mm, OD 100-250mm, inner bore 76mm
Taping pitch	1~20mm±1%, overlapping 0~67%, program setting
Taping tension	50~2500g
Tension element	Servo motor tension control
Taping driving	Servo motor



Micro fine taping machine



Micro fine taping machine

Usage

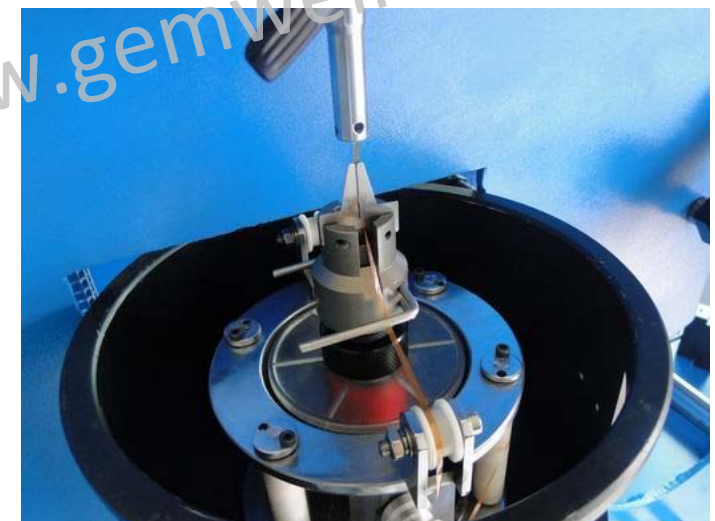
Suitable for single or double layers taping on micro fine wires

Machine features

1. High speed, 2.5 times to traditional taping machine
2. Hysteresis tension controller makes it durable
3. PLC controller, taping pitch setting on touch screen, easy for operation

Parameters

Model	TAP100/ Bobbin type
Suitable materials	Copper foil, Al foil, Mylar tape
Rotate speed	MAX2200rpm
Suitable wire dia.	$\Phi 0.2 \sim 1.0\text{mm}$
Taping direction	S/Z
Tape width	1~6mm
Tape size	Bobbin height MAX80mm, OD MAX100mm, inner bore 30mm
Taping pitch	2~10 mm $\pm 1\%$, overlapping 0~67%, program setting
Taping tension	10~100g
Tension element	Hysteresis clutch
Taping driving	Servo motor



High frequency– Horizontal taping machine



Usage: Suitable single or double layers taping on QSFP, SCSI, INFINIBAND, SATA, parallel cables or round cables

High frequency– Horizontal taping machine

Usage

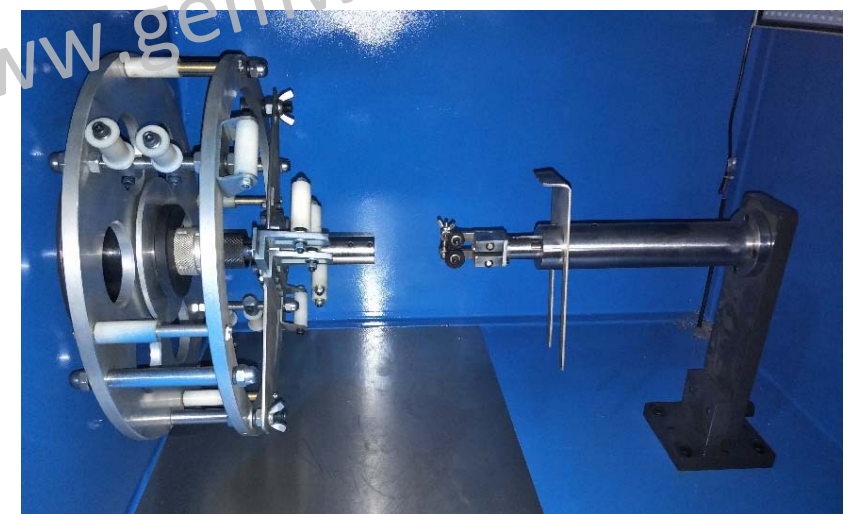
Suitable for single or double layers taping on QSFP, SCSI, INFINIBAND, HDMI, SATA, parallel cables or round cables

Machine features

1. Stop machine once tape breaks or finishes, hot melting same time
2. Auto tracking tension, stable tension from empty to full tape
3. PLC controller, taping pitch setting on touch screen, easy for operation

Parameters

Model	Pad type/ Bobbin type
Suitable materials	Al foil, Mylar tape, Polyimide tape, cotton paper, Teflon tape
Rotate speed	MAX2500rpm, or customized
Suitable wire dia.	Φ0.5~4.0mm
Taping direction	S/Z
Tape width	4~15mm
Taping pitch	4~20 mm ± 1%, overlapping 0~67%, program setting
Tension element	Hysteresis clutch/Magnetic powder clutch optional
Control system	PLC automatic control system
Taping driving	Frequency inverter motor/Servo motor optional



High frequency—Vertical taping machine



Usage: Suitable for single or double layers taping on QSFP, SCSI, INFINIBAND, SATA, parallel cables or round cables

High frequency—Vertical taping machine

Usage

Suitable for single or double layers taping on QSFP, SCSI, INFINIBAND, HDMI, SATA, parallel cables or round cables

Machine features

1. Stop machine once tape breaks or finishes, hot melting same time
2. Auto tracking tension, stable tension from empty to full tape
3. PLC controller, taping pitch setting on touch screen, easy for operation

Parameters

Model	Pad type/ Bobbin type
Suitable materials	Al foil, Mylar tape, Polyimide tape, cotton paper, Teflon tape
Rotate speed	MAX2500rpm, or customized
Suitable wire dia.	Φ0.5~4.0mm
Taping direction	S/Z
Tape width	4~15mm
Taping pitch	4~20 mm±1%, overlapping 0~67%, program setting
Tension element	Hysteresis clutch/Magnetic powder clutch optional
Control system	PLC automatic control system
Taping driving	Frequency inverter motor/ Servo motor optional



Fire resistant—Vertical taping machine



Usage: Suitable for single or double layers taping on Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper

Fire resistant—Vertical taping machine

Usage

Suitable for single or double layers taping on Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper

Machine features

1. Stop machine once tape breaks or finishes, with retreating
2. Auto tracking tension, stable tension from empty to full tape
3. PLC controller, taping pitch setting on touch screen, easy for operation

Parameters

Model	Pad type/ Bobbin type
Suitable materials	Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper
Rotate speed	MAX2500rpm, or customized
Suitable wire dia.	Φ0.7~4.0mm
Taping direction	S/Z
Tape width	4~15mm
Taping pitch	4~20 mm±1%, overlapping 0~67%, program setting
Tension element	Hysteresis clutch/ Magnetic powder clutch optional
Control system	PLC automatic control system
Taping driving	Frequency inverter motor/ Servo motor optional



Fire resistant--Horizontal taping machine



-for Small sectional area cable



Usage: Suitable for Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper

Fire resistant--Horizontal taping machine

Usage

Suitable for single or double layers taping on Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper

Machine features

1. Stop machine once tape breaks or finishes, with retreating
2. Auto tracking tension, stable tension from empty to full tape, bobbin tape with longer accumulated length
3. PLC controller, pitch setting on touch screen, easy for operation

Parameters

Model	Pad type/ Bobbin type
Suitable materials	Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper
Rotate speed	MAX2500rpm, or customized
Suitable wire dia.	Φ0.7~4.0mm
Taping direction	S/Z
Tape width	4~15mm
Taping pitch	4~20 mm±1%, overlapping 0~67%, program setting
Tension element	Hysteresis clutch/ Magnetic powder clutch optional
Control system	PLC automatic control system
Taping driving	Frequency inverter motor/Servo motor optional

-for Small sectional area cable



Fire resistant--Horizontal taping machine

--For Large sectional area cable



Usage: Suitable for single or double layers taping on Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper

Fire resistant--Horizontal taping machine

-For Large sectional area cable



Usage

Suitable for single or double layers taping on Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper

Machine features

1. Stop machine once tape breaks or finishes, with retreating
2. Auto tracking tension, stable tension from empty to full tape
3. PLC controller, pitch setting on touch screen, easy for operation

Parameters

Model	Pad type/ Bobbin type
Suitable materials	Mica tape, Teflon tape, BOPP, Mylar tape, Polyimide tape, cotton paper
Rotate speed	MAX2500rpm, or customized
Suitable wire dia.	Φ1.5~8.0mm; Φ3~19mm; or customized
Taping direction	S/Z
Tape width	4~40mm
Taping pitch	4~20 mm±1%, overlapping 0~67%, program setting
Tension element	Hysteresis clutch/ Magnetic powder clutch optional
Control system	PLC automatic control system
Taping driving	Frequency inverter motor/ Servo motor optional



Twisting line

Twisting line

Copper twisting

High speed bunching machine

Back twist bunching machine

Cantilever pair twisting machine

Three cores torsion free twisting machine

Two cores torsion free twisting machine

Pair twisting

Quadruple twisting machine

Triple twisting machine

Back twist pair twisting machine

Double twisting machine

Stranding

Cantilever stranding machine

Back twist stranding machine

Frame type stranding machine

Double twist stranding machine

Cross stranding machine

High Speed Bunching Machine



Suitable for bunching flexible Copper wires, Tinned Copper, enameled wire, nickel coated wire, Copper clad Aluminum, etc.

High Speed Bunching Machine



Usage

Suitable for bunching flexible Copper wires, Tinned Copper, enameled wire, nickel coated wire, Copper clad Aluminum, etc

Machine features

1. Optional for mechanical linkage traction system, accurate and stable pitch
2. Optional for electronic pitch, independent servo motor traction system, PLC touch screen on-line setting, easy to operate
3. With intelligent detection system, such as meter reach/break wire, to reduce labor intensity and material loss

Parameters



Model	SJ200	SJ300	SJ400	SJ500	SJ630
Max rotate speed	4500rpm/ 9000tpm	3000rpm/ 6000tpm	3000rpm/ 6000tpm	3000rpm/ 6000tpm	2000rpm/ 4000tpm
Take up	200mm	300mm	400mm	500mm	630mm
CD(mm)	0.026- 0.08 (0.035sq)	0.03-0.16 (0.75sq)	0.05-0.40 (2.5sq)	0.08-0.45 (3.0sq)	0.127-0.60 (8.0sq)
Pitch(mm)	1-6	4-20	6-30	10-50	20-100
Twist direction	S/Z				
Pitch setting	Mechanical gear change, or touch screen setting				
Take up tension	Magnetic powder or servo, auto tracking tension from full reel to empty reel				

Back twist Bunching Machine



Suitable for bunching flexible Copper wires, Al wires, Copper-clad steel, stainless steel wire, multi-insulated cables etc.

Back twist Bunching Machine



Usage

Suitable for bunching flexible Copper wires, Al wires, Copper-clad steel, stainless steel wire, multi-insulated cables etc.

Machine features

1. Same application as tubular stranding, planetary stranding and rigid stranding machine, 8 times efficiency to same model
2. Back twist ratio adjustable, no pressure or stress on wire materials
3. Less space occupied, no need foundation for installation
4. Lower cost on machine investment, 1/8 to same model of traditional ones

Parameters

Model	SJ200	SJ300	SJ400	SJ500	SJ630
Max rotate speed	4500rpm/ 9000tpm	3000rpm/ 6000tpm	3000rpm/ 6000tpm	3000rpm/ 6000tpm	2000rpm/ 4000tpm
Take up	200mm	300mm	400mm	500mm	630mm
OD(mm)	0.03-0.07	0.05-0.28	0.08-0.35	0.1-0.52	0.18-0.62
Pitch(mm)	1.36-10.5	3.65-17.15	3.7-30.6	6.3-50.4	11.15-100
Back twist ratio	Adjustable				
Take up tension	Auto tracking tension from full reel to empty reel				

Quadruple twist pair twisting machine



Usage: Suitable for LAN cable pair twisting CAT5E, CAT6, CAT6A, CAT7

Quadruple twist pair twisting machine

Usage

Suitable for LAN cable pair twisting CAT5E, CAT6, CAT6A, CAT7

Machine features

1. All-in-one key set on PLC, adjustable back twisting ratio
2. Zero tension flyer pay off, with back twisting pay off at the same time, more stable performance for cable
3. Quadruple pitches pair twisting, 2 times speed to double twist machine, higher efficiency

Parameters

Rotate speed	MAX1800rpm/7200tpm
Suitable wire dia.	Φ0.8~1.7mm (single core wire)
Twisting pitch	5~50mm
Pay off & Take up bobbin	Φ500 pay off, Φ500/630 take up
Take up tension	Active slide rail type
Tension range	0.6-3kg
Back twisting ratio	0-100%
Pitch tolerance	±2%



All-in-one double layers triple twisting machine



Usage: Suitable for CAT5E/CAT6/CAT6A/CAT7 Lan cables signal cables pair twisting

All-in-one double layers triple twisting machine



Usage

Suitable for CAT5E/CAT6/CAT6A/CAT7 signal cables pair twisting

Machine features

1. Triple pitches design, 1.5 times speed to traditional double twisting machine when with 33% back twisting rate
2. Twist pitch controlled via servo motor, user friendly HMI control, full programmable, accuracy within +/-2%
3. Active take up, tension stable from empty to full reel
4. Integrated type, saves more space

Parameters

Rotate speed	MAX1800rpm/5400tpm
Suitable wire dia.	Φ0.8~2.0mm (single core wire)
Twisting pitch	10~100mm adjustable
Pay off & Take up bobbin	Φ500/Φ630
Pay off & Take up tension	Active swing arms, servo capstan with dancer
Tension range	10~3000g
Twist bow motor	10HP motor with frequency inverter
Pay off & Take up motor	1/2HP gear motor driving, with frequency inverter



Horizontal back twist pair twisting machine



Suitable for Lan cable, robotic cable, flexible cable etc. pair twisting, optional to add filter pay off or Al foil taping

Horizontal back twist pair twisting machine



Usage

Suitable for Lan cable CAT8 patch cord, robotic cable, flexible cable etc. pair twisting, optional to add filter pay off or Al foil taping

Machine features

1. Core wire 0~100% back twisting ratio adjustable, no damage on wires
2. Servo electric pitch, set on touch screen, accuracy within $\pm 2\%$
3. Slide board unload bobbin, gear and rack lock bobbin, easy for operation and saves labor cost
4. Closed-loop control on pay off and take up, makes sure performance stable
5. Auto tracking on pay off traverse, remain stable tension from full reel to empty reel

Parameters

Rotate speed	MAX2000RPM / 4000TPM
Suitable cable	$\Phi 0.8 \sim 2.0\text{mm}$ (single wire)
Pitch range	5~50mm
Pay off & take up	$\Phi 500$, slide board unload, quick locking
Pay off tension	Active lever dancer, accuracy $\pm 5\text{g}$
Tension range	100~3000g
Filter & taping	Optional to add filter or Al foil
Bobbin lifting	Slide board
Clamp way	Pneumatic clamping
Bow drive	7.5HP motor with inverter speed adjust
Pay off & take up drive	1/2HP gear motor, with inverter speed adjust

Back twisting pair twisting machine



Usage: Suitable for CAT5/CAT5E/CAT6 Lan cables signal cables pair twisting

Back twisting pair twisting machine



Usage

Suitable for CAT5/CAT5E/CAT6 signal cables pair twisting

Machine features

1. Back twisting ratio and speed controlled via touch screen, easy for operation
2. Twist pitch change via gear, stable mechanical pitch, accuracy within +/-2%
3. Active take up, tension stable from empty to full reel

Parameters

Rotate speed	MAX2000rpm 4000tpm
Suitable wire dia.	Φ0.4~1.7mm/ Φ 0.5~2.0(single core wire)
Twisting pitch	3~40mm/4~60mm
Pay off & Take up bobbin	Φ500/Φ650
Pay off tension	Swing lever dancer
Take up tension	Magnetic powder clutch
Tension range	0~500g
Twist bow motor	3.7KW
Pay off motor	0.75KW
Take up motor	3.7KW/7.5KW

Cantilever pair twisting machine



Usage: Suitable for USB3.0/3.1/HDMI/DP etc. high frequency signal wires pair twisting

Cantilever pair twisting machine



Usage

Suitable for USB3.0/3.1/HDMI/DP etc. high frequency signal wires pair twisting

Machine features

1. High speed rotate speed, 2 times efficiency to traditional frame type one
2. Pair twisting/taping/hot melting together, more compact structure, higher productivity
3. Driving linear traversing system ,adjustable traverse pitch setting

Parameters

Model	STR300	STR400	STR500	STR630
Rotate speed	1200rpm	1000rpm	850rpm	700rpm
Reel dia.	300	400	500	630
Finished OD	0.6~1.2	1.0~2.5	1.2~4.0	1.0-4.0
Twisting pitch	5-20	8-36	10-50	30-120
Twisting direction	S/Z			
Taping tension	Active/ Magnetic powder			
Taking up tension	Magnetic powder tension, auto tracking tension from empty to full reel			

Three cores torsion free twisting machine



Usage: Suitable for USB3.0/3.1/HDMI/DP etc. high frequency signal wires pair twisting

Three cores torsion free twisting machine



Usage

Suitable for USB3.0/3.1/HDMI/DP etc. high frequency signal wires pair twisting

Machine features

1. Core wire 100% torsion free, no stress & damage on twisted wires
2. Twist pitch controlled via servo motor, PLC direct setting, accuracy within $\pm 2\%$
3. Pair twisting/taping/hot melting finish together, more compact structure, higher productivity

Parameters

Rotate speed	MAX1500rpm
Suitable wire dia.	$\Phi 1.0 \sim 2.5\text{mm}$ (single core wire)
Taping pitch	4~80mm
Pay off & Take up bobbin	$\Phi 300/\Phi 400/\Phi 500$
Pay off & Take up tension	Active swing arms
Tension range	10~3000g
Taping speed	MAX2000rpm
Hot melting	Scalable, hot melting together
Twist bow motor	10HP motor with frequency inverter
Pay off motor	1/2HP gear motor driving with frequency inverter

Two cores torsion free twisting machine



Usage: Suitable for USB3.0/3.1/HDMI/DP etc. high frequency signal wires pair twisting

Two cores torsion free twisting machine



Usage

Suitable for USB3.0/3.1/HDMI/DP etc. high frequency signal wires pair twisting

Machine features

1. Core wire 100% torsion free, no stress & damage on twisted wires
2. Twist pitch controlled via servo motor, user friendly HMI control, full programmable, accuracy within +/-2%
3. Both pay off and take up tension remains stable from

Parameters

Rotate speed	MAX1800rpm
Suitable wire dia.	Φ0.8~2.0mm (single core wire)
Taping pitch	10~100mm
Pay off & Take up bobbin	Φ500
Pay off tension	Active swing arms
Tension range	100~3000g
Hot melting & Taping	Optional, can link with taping, hot melting in one line
Twist bow motor	10HP motor with frequency inverter
Pay off & Take up motor	1/2HP gear motor driving with frequency inverter

Cantilever single twist stranding machine



Usage: Suitable for data cables, Lan cables, high frequency cables, power cables etc core wires stranding

Cantilever single twist stranding machine



Usage

Suitable for data cables, Lan cables, high frequency cables, power cables etc core wires stranding

Machine features

1. High speed rotate speed, 2 times efficiency to traditional framing one
2. Less wire through pulleys, less bending and damage on twisted wires
3. Driving linear traversing system, adjustable traversing pitch setting

Parameters

Model	STR630	STR800	STR1000	STR1250	STR1600
Rotate speed	850rpm	650rpm	550rpm	450rpm	300rpm
Reel dia.	630	800	1000	1250	1600
Finished OD	3-10mm	3-15mm	3-20mm	6-25mm	6-25mm
Twisting pitch	25-180	30-200	40-250	40-300	60-360
Twisting direction	S/Z				
Take up way	Shaft lever				
Take up tension	Via adjusting pay off tension for take up tension				

Horizontal back twist stranding machine



Usage: Suitable for Lan cables, robotic cables, flexible cable, charging pile cable, etc. stranding

Horizontal back twist stranding machine

Usage

Suitable for Lan cables, robotic cables, flexible cable, charging pile cable, etc. stranding

Machine features

1. Back twisting ratio 0~100% adjustable, via touch screen setting, rotate speed auto tracking single twist speed
2. Synchronized transmission, precise control, low noise
3. Active take up, remain stable tension from empty reel to full reel
4. Set pitch on touch screen, keep stable pitch when accelerate or decelerate

Parameters

Model	STR630	STR800	STR1000	STR1250
Pay off reel	400/500	400/500	500/630	630
Linear speed	15-60m/min	15-65m/min	20-100m/min	20-120m/min
Suitable dia.	1.0-4.5mm	1.0-4.5mm	1.5-6.0mm	1.5-6.0mm
Finished OD	3-10mm	3-15mm	3-20mm	6-25mm
Twisting pitch	25-180	30-200	40-250	40-300
Pitch tolerance	$\pm 2\%$			
Drive power	7.5KW	11KW	22KW	22KW



Vertical back twist stranding machine



Usage: Suitable for data cables, power cable, control cable, flexible cable, etc. stranding

Vertical back twist stranding machine



Usage

Suitable for data cables, power cable, control cable, flexible cable, etc. stranding

Machine features

1. Back twisting ratio 0~100% adjustable, via touch screen setting, rotate speed auto tracking single twist speed
2. Synchronized transmission, precise control, low noise
3. Active take up, remain stable tension from empty reel to full reel
4. Set pitch on touch screen, keep stable pitch when accelerate or decelerate

Parameters

Model	STR630	STR800	STR1000	STR1250
Pay off reel	500	500	630	630
Linear speed	20-120m/min	20-120m/min	30-120m/min	30-120m/min
Suitable dia.	1.0-4.5mm	1.0-4.5mm	1.5-6.0mm	1.5-6.0mm
Finished OD	3-10mm	3-15mm	3-20mm	6-25mm
Twisting pitch	25-180	30-200	40-250	40-300
Pitch tolerance	±2%			
Drive power	7.5KW	11KW	22KW	22KW

Frame type single twisting machine



Usage: Suitable for control cable, power cables etc core wires or copper stranding

Frame type single twisting machine



Usage

Suitable for control cables, power cables etc core wires or copper stranding

Machine features

1. High efficiency, 4 times to traditional planetary one
2. Pitch set on touch screen, remains stable from decelerate or accelerate
3. Less pulley design, less bending for better cable performance

Parameters

Model	Φ1250	Φ1600	Φ1800
Rotate speed	MAX350rpm	MAX250rpm	MAX250rpm
Applicable diam.	Φ2.5~6.0mm	Φ5~15mm	Φ5~15mm
Finished diam.	MAXΦ16mm	MAXΦ30mm	MAXΦ60mm
Production speed	30-140m/min, depends on pitch	20-100m/min, depends on pitch	20-100m/min, depends on pitch
Pitch tolerance	±2%		
Pitch setting	50~500mm, electrical		
Frame power	37.5KW/50HP	55KW/75HP	55KW/75HP
Take up power	22KW/30HP	30KW/40HP	40KW/55HP
Capstan power	11KW/15HP	22KW/30HP	37KW/50HP

Double twist stranding machine



Suitable for power cable, control cable, etc. multi cores stranding or Copper bunching

Double twist stranding machine



Usage

Suitable for power cable, control cable, etc. multi cores stranding or Copper bunching

Machine features

The pair twist machine has patent certificate, especially auto unloading way is the first design.

1. No need foundation or base of whole machine, no ground axis drive, easy for installation
2. Optional for manual or automatic unloading bobbin, no need extra unloading platform or trolley, integrated type design
3. Strengthen main axis structure, long service life, stable and reliable on quality
4. Twist pitch set on PLC, keep stable in deceleration, easy for operation

Parameters

Model	Φ1250
Rotate speed	MAX800rpm, common run 600rpm
Suitable diameter	Core MAX Φ15mm, Copper MAX50mm ²
Linear speed	60~360m/min
Pitch tolerance	±2%
Pitch range	50~300mm, electronic pitch
Take up motor	7.5KW, moment mode
Capstan motor	15KW



Cross stranding machine



Suitable for stranding multi insulated parallel cables on high frequency signal transmission (QSFP/SFP cable)

Cross stranding machine



Usage

Suitable for stranding multi insulated parallel cables on high frequency signal transmission (QSFP/SPF cable)

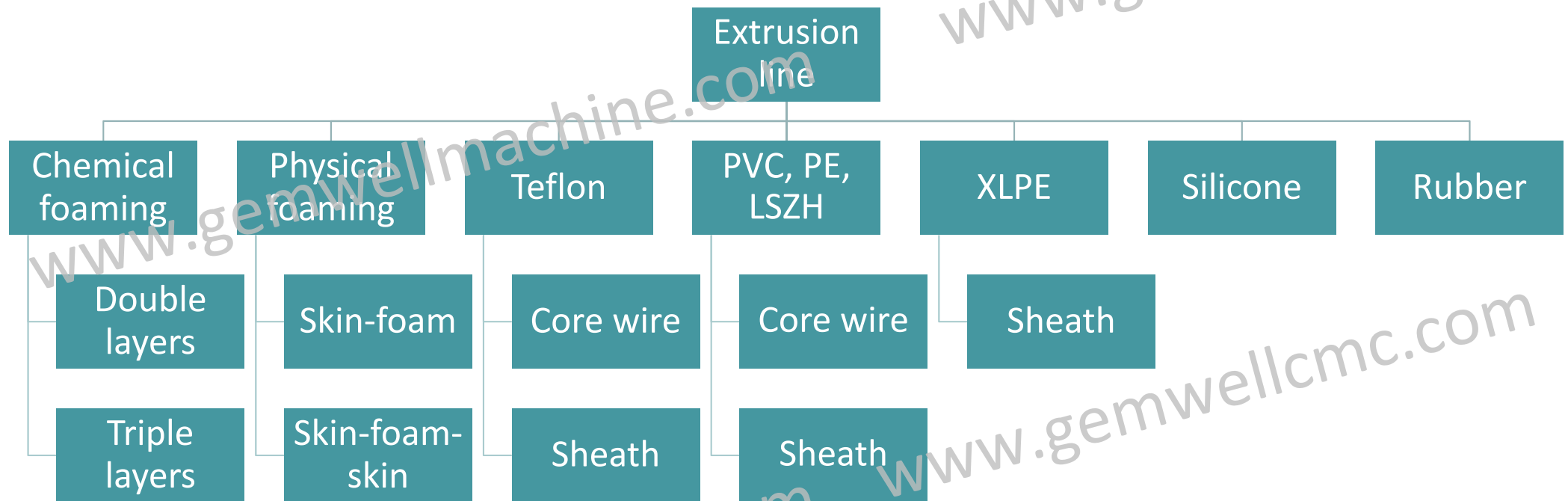
Machine features

1. Stable tension of pay off, take up and taping, remain stable from empty to full reel
2. Pitch setting on touch screen, PLC control, remain stable when accelerate or decelerate
3. Less wire passing wheels, large bending angle, better performance for cable electrical performance
4. Bobbin traverse type take up, adjustable traverse pitch and distance

Parameters

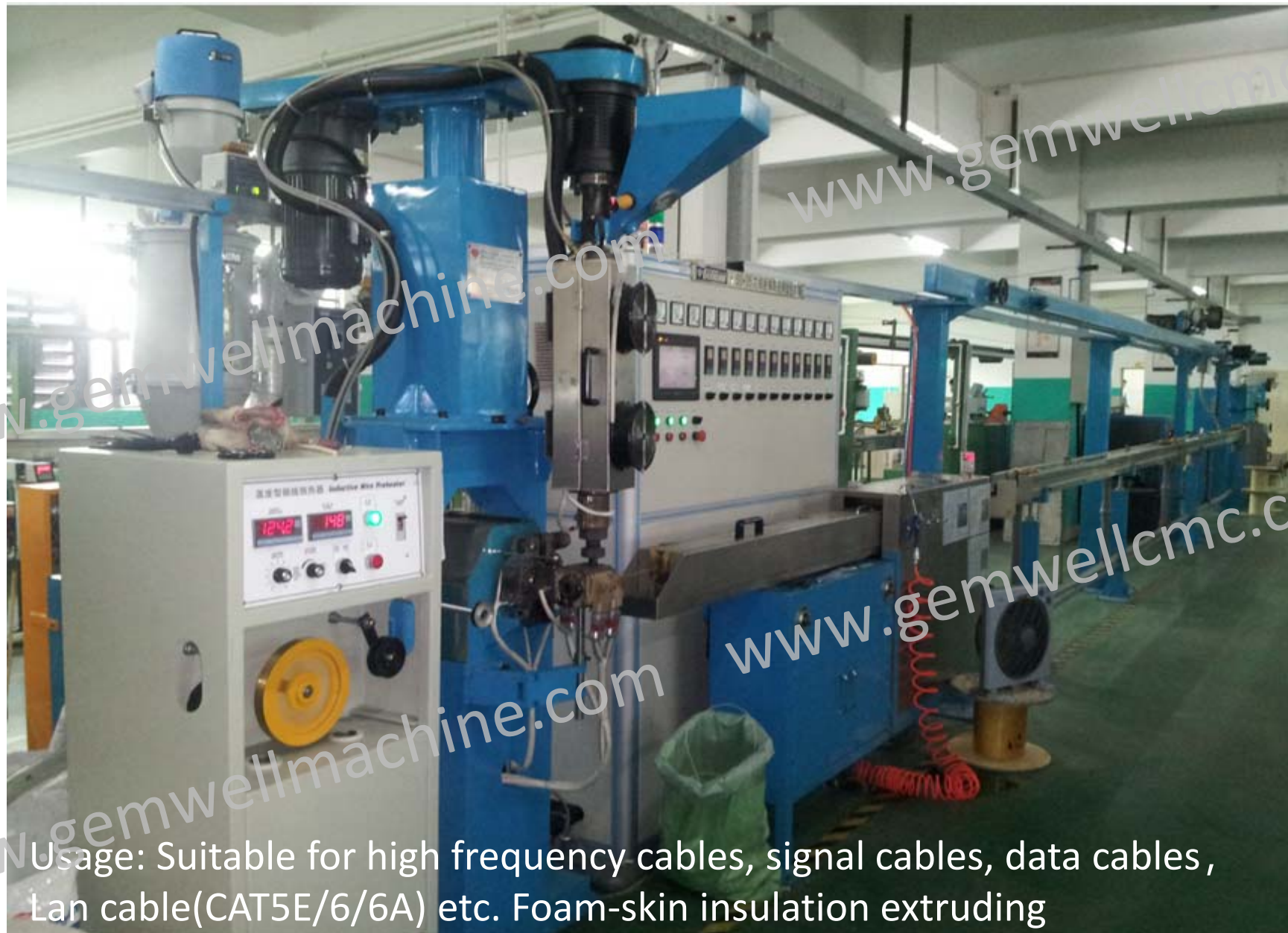
Model	4 cross twister	4+4 cross twister	6 cross twister
Speed	MAX100rpm	MAX100rpm	MAX100rpm
Insulated diameter	1.0x0.5 ~ 4.0x2.0 flat	1.0x0.5 ~ 4.0x2.0 flat	1.0x0.5 ~ 4.0x2.0 flat
Finished OD	Φ2~10mm	Φ2~10mm	Φ2~10mm
Pitch	30~300mm	30~500mm	30~500mm
Taping heads	2 taping heads		
Taping tension	High speed center taping, auto tracking tension, remain stable tension from empty to full reels		
Pay off	4 division	8 division in two groups	6 division
Driver	15HP motor + gear box		

Extrusion line



Chemical foaming extrusion line

-Double layers



Usage: Suitable for high frequency cables, signal cables, data cables, Lan cable(CAT5E/6/6A) etc. Foam-skin insulation extruding

Chemical foaming extrusion line -Double layers

Usage

Suitable for high frequency cables, signal cables, data cables, Lan cable(CAT5E/6/6A) etc. Foam-skin insulation extruding

Machine features

1. Uniform foaming, auto flume feedback controlling capacitance
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT30+25	EXT40+30	EXT45+35	EXT50+35
Suitable materials	Foam-PE	Foam-PE	Foam-PE	Foam-PE
Insulation	Foam-SKIN	Foam-SKIN	Foam-SKIN	Foam-SKIN
Max foaming	35%	35%	35%	35%
Capacitance tolerance	$\pm 1\text{PF}$	$\pm 1\text{PF}$	$\pm 1\text{PF}$	$\pm 1\text{PF}$
Wire dia. tolerance	± 0.01	± 0.01	± 0.01	± 0.01
Screw L/D	28:1	28:1	28:1	28:1
Screw C/R	3.0-3.2	3.0-3.2	3.0-3.2	3.0-3.2
Conductor dia.	0.15-0.5mm	0.15-0.8mm	0.25-1.5mm	0.25-1.5mm
Finished OD	0.35-1.0mm	0.45-1.3mm	0.55-1.9mm	0.55-2.0mm
Max wire speed	300m/min	500m/min	500m/min	500m/min



Chemical foaming extrusion line

-Triple layers



Usage: Suitable for high frequency cables, signal cables, Lan cables(CAT5E/6/6A/7) etc Skin-Foam-Skin insulation extruding

Chemical foaming extrusion line -Triple layers

Usage

Suitable for high frequency cables, signal cables, Lan cables(CAT5E/6/6A/7) etc Skin-Foam-Skin insulation extruding

Machine features

1. Uniform foaming, auto flume feedback controlling capacitance
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT30+40+35	EXT30+45+35	EXT30+50+35
Suitable materials	Foam-PE	Foam-PE	Foam-PE
Insulation	Skin-Foam-Skin	Skin-Foam-Skin	Skin-Foam-Skin
Max foaming	35%	35%	35%
Capacitance tolerance	$\pm 1\text{PF}$	$\pm 1\text{PF}$	$\pm 1\text{PF}$
Wire dia. Tolerance	± 0.01	± 0.01	± 0.01
Screw L/D	28:1	28:1	28:1
Screw C/R	3.0-3.2	3.0-3.2	3.0-3.2
Conductor dia.	0.15-0.5mm	0.15-0.8mm	0.25-1.5mm
Finished OD	0.5-1.5mm	0.7-2.0mm	0.7-2.5mm
Max wire speed	500m/min	500m/min	500m/min



Physical foaming extrusion line

-Double layers



Usage : Suitable for coaxial cables physical foaming Skin-foam insulation extruding

Physical foaming extrusion line -Double layers

Usage

Suitable for coaxial cables physical foaming Skin-foam insulation extruding

Machine features

1. Uniform foaming, auto flume feedback controlling capacitance
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT30+65
Suitable materials	Foam-PE
Insulation	Skin-Foam
Max foaming	70%
Capacitance tolerance	$\pm 1\text{PF}$
Wire dia. Tolerance	± 0.03
Screw L/D	36:1
Screw C/R	3.0-3.3
Conductor dia.	0.8-2.0mm
Finished OD	3.5-7.8mm
Max wire speed	500m/min



Physical foaming extrusion line

-Triple layers



Usage : Suitable for data cables, Lan cable CAT6/CAT6A/
CAT7/CAT8 etc. physical foaming Skin-foam-skin insulation extruding

Physical foaming extrusion line -Triple layers

Usage

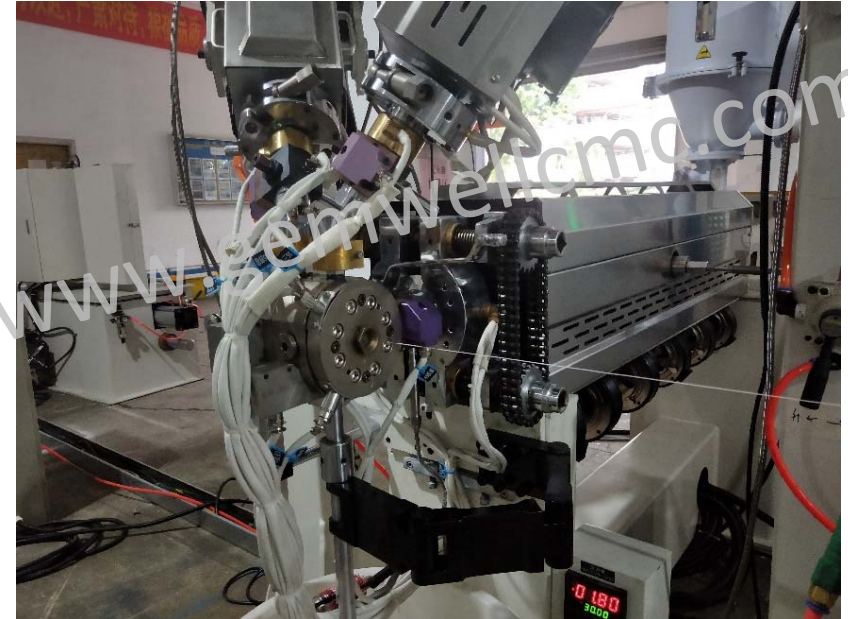
Suitable for data cable, Lan cables CAT6/CAT6A/CAT7/CAT8 etc. physical foaming Skin-foam-skin insulation extruding

Machine features

1. Uniform foaming, auto flume feedback controlling capacitance
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT25+45+35	EXT30+65+40
Suitable materials	Foam-PE	Foam-PE
Insulation	Skin-Foam-Skin	Skin-Foam-Skin
Max foaming	80%	80%
Capacitance tolerance	$\pm 1\text{PF}$	$\pm 1\text{PF}$
Wire dia. Tolerance	± 0.015	± 0.015
Screw L/D	36:1	36:1
Screw C/R	2.9-3.2	2.9-3.2
Conductor dia.	0.25-1.5mm	0.4-1.0mm
Finished OD	0.55-2.0mm	0.8-7.11mm
Max wire speed	500m/min	500m/min



Teflon extrusion line - Core wire



Teflon extrusion line -Core wire

Usage

Suitable for Teflon electronic wires, micro fine coaxial core wires insulation extruding

Machine features

1. Compact design, occupies less space
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT25	EXT30	EXT35	EXT40
Suitable materials	FEP, PFA, ETFE			
Extruding output	12kg/h	18kg/h	25kg/h	38kg/h
Wire dia. tolerance	± 0.003	± 0.008	± 0.008	± 0.015
Screw L/D	26:1	26:1	26:1	26:1
Screw C/R	3.2-3.4	3.2-3.4	3.2-3.4	3.2-3.4
Conductor dia.	0.1-1.2mm	0.15-1.5mm	0.15-2.0mm	0.25-1.5mm
Finished OD	0.28-1.5mm	0.5-2.0mm	0.5-2.5mm	0.55-3.0mm
Max wire speed	150m/min	150m/min	150m/min	150m/min
Vacuum unit	With vacuum unit			



Teflon extrusion line -Sheath



Usage: Suitable for Teflon large size core wires insulation and sheath extruding

Teflon extrusion line -Sheath

Usage

Suitable for Teflon large size core wires insulation and sheath extruding

Machine features

1. Auto centering crosshead, high concentricity, stable wire dia.
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT50	EXT65	EXT70
Suitable materials	FEP, PFA, ETFE		
Extruding output	50kg/h	90kg/h	100kg/h
Wire dia. tolerance	± 0.015	± 0.03	± 0.08
Screw L/D	26:1	26:1	26:1
Screw C/R	3.2-3.4	3.2-3.4	3.2-3.4
Conductor dia.	0.5-3.0mm	1.0-5.5mm	1.5-7.2mm
Finished OD	1.0-3.5mm	1.5-6.0mm	2.0-8.0mm
Max wire speed	150m/min	150m/min	150m/min
Vacuum unit	With vacuum unit		



PVC/PE/LSZH extrusion line - Core wire



Usage: Suitable for power cables, data cables, Lan cables, electronic cables etc. core wires insulation extruding

PVC/PE/LSZH extrusion line - Core wire

Usage

Suitable for power cables, data cables, Lan cables, electronic cables etc.

core wires insulation extruding

Machine features

1. Auto centering crosshead, high concentricity, stable wire dia.
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT35	EXT40	EXT50	EXT60
Suitable materials	PVC, PE, LSZH			
Insulation	Single layer/double layers/injection, optional injections			
Extruding output	25kg/h	38kg/h	60kg/h	90kg/h
Wire dia. tolerance	± 0.008	± 0.008	± 0.008	± 0.008
Screw L/D	26:1	26:1	26:1	26:1
Screw C/R	PVC:2.6-2.9, PE:2.9-3.4, LSZH:1.5-1.8			
Conductor dia.	0.15-0.8mm	0.25-1.5mm	0.25-2.0mm	0.4-2.5mm
Finished OD	0.45-1.5mm	0.55-2.0mm	0.55-2.5mm	0.8-3.0mm
Max wire speed	300m/min	400m/min	500m/min	800m/min



PVC/PE/LSZH extrusion line - Sheath



PVC/PE/LSZH extrusion line - Sheath

Usage

Suitable for power cables, data cables, Lan cables, control cables etc.

sheath extruding

Machine features

1. Outer mold cooling device, easier controlling on wire surface haze
2. Precise temp controller, tolerance within $\pm 1^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT70	EXT80	EXT90	EXT120
Suitable materials	PVC, PE, LSZH			
Insulation	Single layer/double layers/injection, optional injections			
Extruding output	135kg/h	200kg/h	260kg/h	400kg/h
Wire dia. tolerance	± 0.08	± 0.08	± 0.1	± 0.2
Screw L/D	26:1	26:1	26:1	26:1
Screw C/R	PVC:2.6-2.9, PE:2.9-3.4 LSZH:1.5-1.8			
Conductor dia.	2.5-12mm	2.5-15mm	3.0-18mm	7-23mm
Finished OD	3.5-14mm	3.5-18mm	5.0-25mm	8-30mm
Max wire speed	300m/min	300m/min	150m/min	120m/min



Power cable extrusion line - Sheath



Usage: Suitable for power cables, control cables
etc. sheath extruding

Power cable extrusion line - Sheath

Usage

Suitable for power cables, control cables etc. sheath extruding

Machine features

1. Outer mold cooling device, easier controlling on wire surface haze
2. Precise temp controller, tolerance within $\pm 2^{\circ}\text{C}$
3. Intelligent PLC auto control system

Parameters

Model	EXT90	EXT100	EXT120	EXT150
Suitable materials	PVC, XLPE, LSZH			
Insulation	Single layer/double layers/injection, optional injections			
Extruding output	380kg/h	400kg/h	600kg/h	1000kg/h
Wire dia. tolerance	± 0.1	± 0.1	± 0.1	± 0.1
Screw L/D	25:1	25:1	25:1	25:1
Screw C/R	PVC:2.6-2.9, PE:2.9-3.4 LSZH:1.5-1.8, XLPE: 1.5~2.0			
Conductor dia.	10-40mm	15-50mm	20-60mm	30-110mm
Finished OD	15-50mm	20-60mm	25-70mm	40-120mm
Max wire speed	80m/min	70m/min	70m/min	60m/min



Silicone rubber extrusion line



Usage: Suitable for power cable, medical cables, control cables insulation extruding

Silicone rubber extrusion line

Usage

Suitable for power cable, medical cables, control cables insulation extruding

Machine features

1. Oven vulcanization, high efficiency, less space
2. Precise temp controller, tolerance within ± 1 °C
3. Intelligent PLC auto control system

Parameters

Model	EXT50	EXT65	EXT75	EXT90
Suitable materials	Silicone rubber			
Insulation	Single layer/double layers/injection, optional injections			
Oven length				
Extruding output	60kg/h	140kg/h	180kg/h	260kg/h
Wire dia. tolerance	± 0.03	± 0.05	± 0.05	± 0.1
Screw L/D	12:1	12:1	12:1	12:1
Screw C/R	1.3-1.5	1.3-1.5	1.3-1.5	1.3-1.5
Conductor dia.	0.5-3.0mm	1.0-5.5mm	1.0-7.2mm	5-18mm
Finished OD	1.0-3.5mm	1.5-6.0mm	1.5-8.0mm	6.0-20.0mm
Max wire speed	150m/min	150m/min	150m/min	150m/min



Rubber continuous vulcanization extrusion line



Usage: Suitable for insulation or sheath rubber continuous vulcanization extruding, in single/double cores, parallel cable, dual layers, in rubber power cable, building cables, automotive cable, medical cable

Rubber continuous vulcanization extrusion line

Usage

Suitable for rubber power cable, building cables, automotive cable, medical cable extruding

Machine features

1. Special design on screw, barrel, crosshead and mold, avoid vulcanization occur in extruder
2. High pressure steam continuous vulcanization, via changing water level to control time, easy for operation
3. Precise SSR solid relay with RKC temp controller, tolerance within ± 2 °C
4. Intelligent PLC auto control system

Parameters

Model	EXT65	EXT70	EXT90	EXT120	EXT150
Suitable materials	CPE, EPDM, EPR, CR, CSM, EVA, other rubber etc.				
Extruding output	80kg/h	100kg/h	200kg/h	320kg/h	320kg/h
Wire dia. tolerance	± 0.1				
Screw L/D	14:1	14:1	14:1	14:1	14:1
Screw C/R	1.2-1.4	1.2-1.4	1.2-1.4	1.2-1.4	1.2-1.4
Conductor dia.	1.5-10.0mm	1.5-10.0mm	8.0-21.0mm	12-36mm	20-45mm
Finished OD	2.5-12.0mm	2.5-12.0mm	10-25mm	15-40mm	25-50mm
Max wire speed	150m/min	150m/min	150m/min	150m/min	150m/min



Winding machine - Horizontal micro fine wire



Usage: Suitable for USB3.1, micro fine coaxial cables winding, taping finish together

Winding machine - Horizontal micro fine wire

Usage

Suitable for USB3.1, micro fine coaxial cables winding, taping finish together

Machine features

1. Core wire no S/Z twisting, 100% torsion free, no damage on wire
2. Pay off & take up tension with hysteresis clutch, stable quality
3. Winding, taping, hot melting finish at the same time, stable structure

Parameters

Rotate speed	MAX1000rpm
Suitable core wire	Φ0.3~1.5mm
Suitable copper wire	Φ0.02~0.06mm
Production speed	1~20m/min, change according to pitch
Winding heads	56 heads, or customized
Taping way	Intelligent center taping
Pitch setting	1~20mm, electronic pitch
Pay off & Take up bobbin	Φ300
Pay off & Take up motor	2HP motor driving, with frequency inverter



Winding machine - Vertical micro fine wire



Usage: Suitable for USB3.1, micro fine coaxial cables winding, taping finish together

Winding machine - Vertical micro fine wire

Usage

Suitable for USB3.1, micro fine coaxial cables winding, taping finish together

Machine features

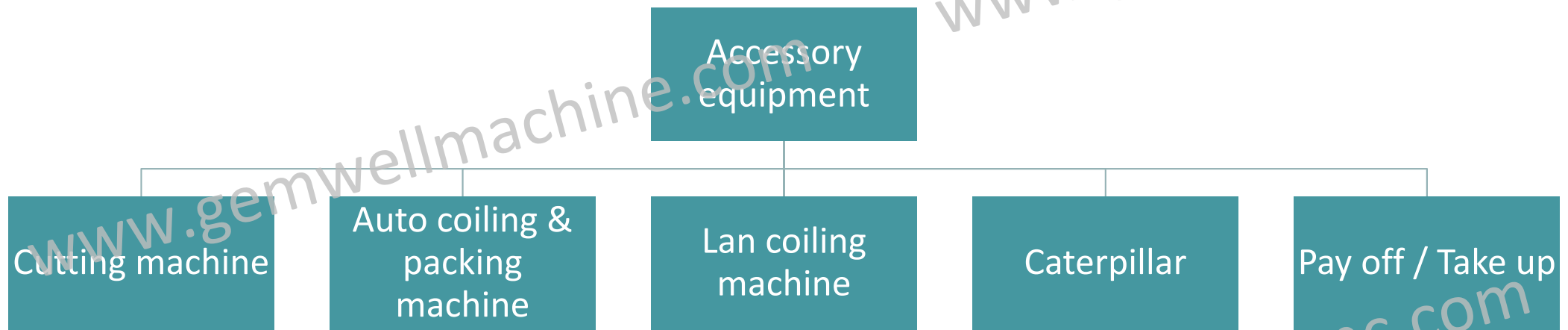
1. Individual pay off tension unit, auto adjust tension
2. Separate servo motor rotary unit and capstan unit, stable tension, pitch setting via touch screen, easy for operation
3. Winding, taping, hot melting finish at the same time, stable structure

Parameters

Rotate speed	MAX800rpm
Suitable core wire	$\Phi 0.25 \sim 1.5\text{mm}$
Suitable copper wire	$\Phi 0.032 \sim 0.06\text{mm}$
Production speed	1~20m/min, change according to pitch
Winding heads	48 heads, or customized
Taping way	Intelligent center taping
Pitch setting	1~20mm, electronic pitch
Pay off & Take up bobbin	$\Phi 75-100$
Pay off & Take up motor	1/2HP reducer motor driving



Accessory equipments



Accessory equipments



Cutting machine



Auto coiling & packing machine



Accessory equipments



Cable coiling machine



Caterpillar

Accessory equipments



Pay off / Take up



Auto change axle dual take up

Brands of key parts

Main shaft bearing	• NSK / SKF
Motor	• SIEMENS CHINA / SIEMENS / DONGGUAN
Servo	• INOVANCE / SINEE / SIEMENS
Frequency inverter	• INOVANCE / SINEE / SIEMENS
PLC	• SIEMENS
Touch screen	• WEINVIEW / MCGS / INOVANCE / SIEMENS
Temperature controller	• RKC (no/ with mudbus)
Switch	• SCHNEIDER
Low voltage electric	• CHINT / SHIHLIN

3. Service

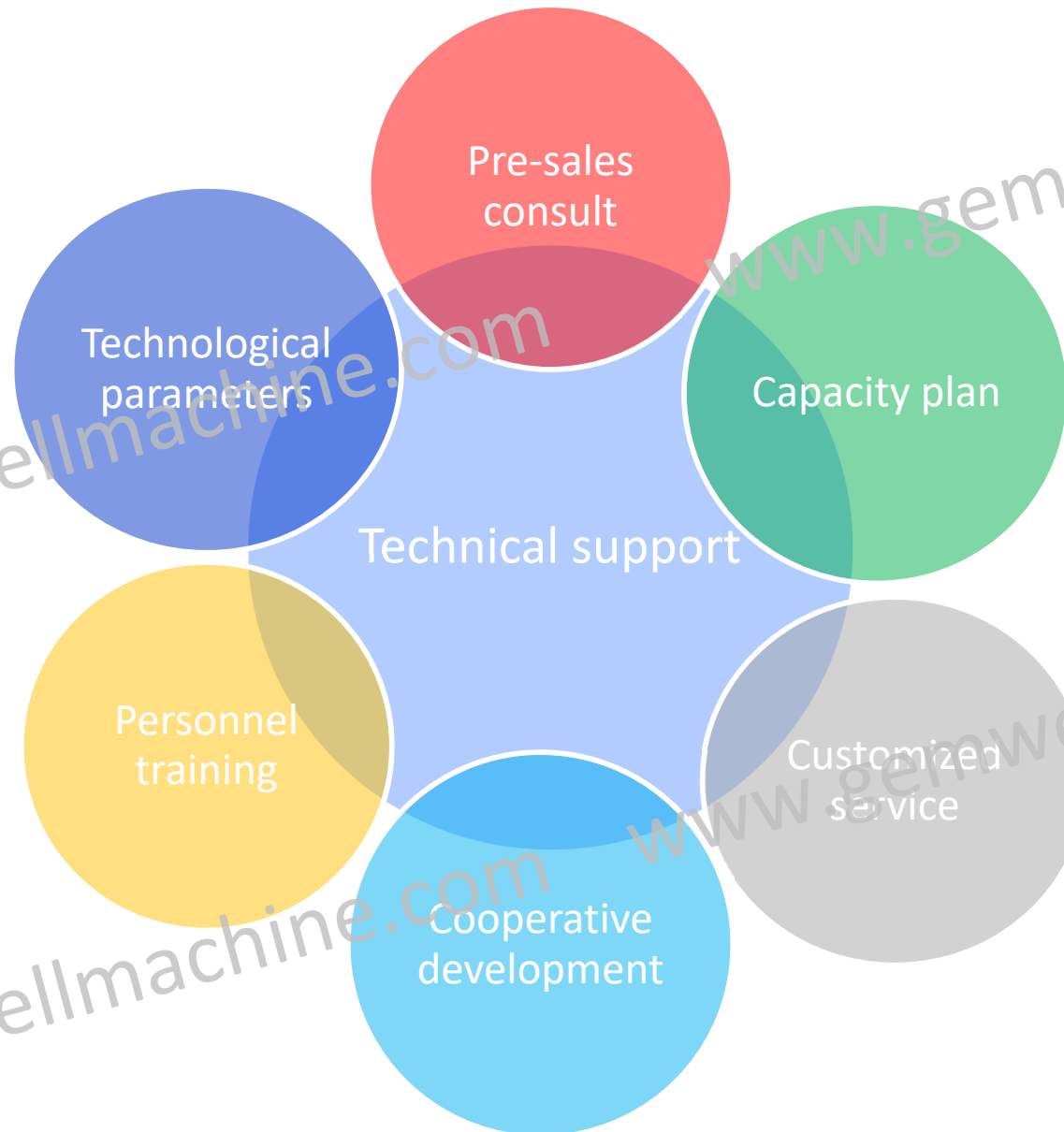
3.1

Technical support

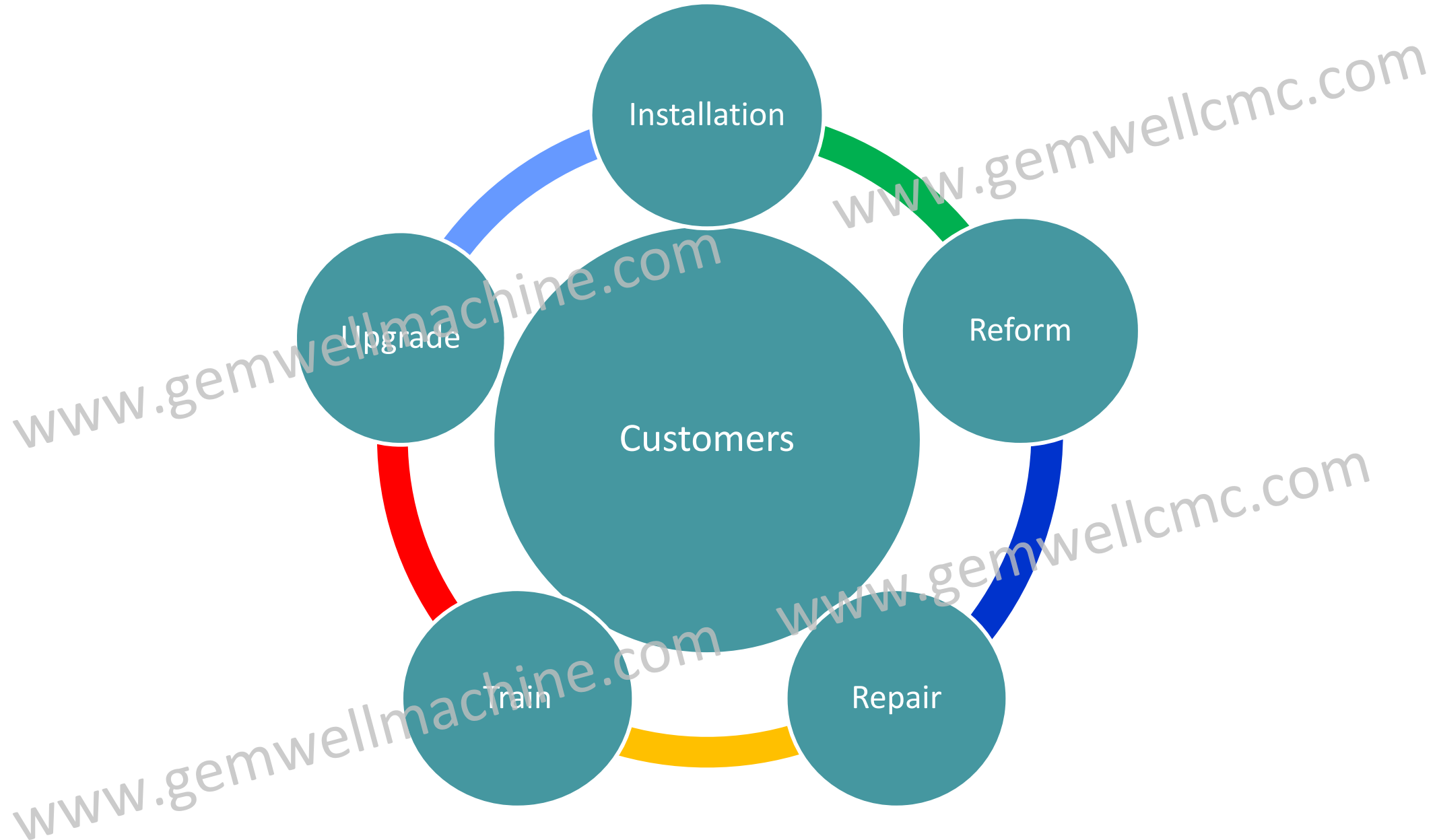
3.2

After sales service

Technical support



After sales service



4. Customers

4.1

Customers scenes

4.2

Customer list

Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customers scenes



Customer Reference List



China customer list



Dyden Robot Cable Co.



LuXshare Cable Co.



华迅工业



万马集团



金龙羽



秋叶原



ZHAOLONG

Abroad customer list

BELDEN

U.S.

Fujikura

Japan



Iran

BETACAVI
COAXIAL AND SPECIAL CABLES MANUFACTURING

Italy



Russia

HASCELİK

Turkey



Ukraine

PRYSMIAN

Australia

phelps
dodge

Philippines

POLYCAB
WIRES & CABLES

India

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