



Front

青岛富耐特胶带有限公司

QingDao Front Industry Co.,Ltd.

地址：青岛市重庆北路14号

电话：0532-87963099

传真：0532-87962966

网址：www.frontindustry.com

E-mail: info@frontindustry.com

www.frontindustry.com

www.frontindustry.com

frontindustry.com

www.frontindustry.com

www.fro



青岛富耐特胶带有限公司  
QingDao Front Industry Co.,Ltd.



## 企业简介 Introduction

青岛富耐特胶带有限公司（原青岛天鹅湖胶带有限公司），公司隶属于威海富耐特橡胶集团。公司经过多年来的努力与发展，已打造成为中国橡胶输送带行业大型制造基地。公司现有固定资产近亿元，厂区占地面积达100余亩，拥有国内最大的平板硫化生产线，多条波状挡边带生产线（国内最大，带宽可达B2400mm，挡边高可达ES630mm）及PVC/PVG塑化生产线。设备年产能达1500万平方米，年产值逾三亿元。

我公司生产的“Front”牌系列产品主要有：钢丝绳芯输送带、煤矿井下整芯阻燃输送带(PVC, PVG)、普通用途织物芯输送带(CC, NN, EP)、特殊用途织物芯输送带(耐热、耐烧灼、耐高温、防撕裂、耐磨、一般难燃、耐油、耐寒、耐酸碱)、花纹输送带(钢丝绳芯、织物芯)、大倾角波状挡边输送带、各种异型输送带、橡胶板、轮胎内外胎等橡胶制品。

我公司秉承“品质赢得市场，服务铸就品牌”的经营宗旨，通过并取得了ISO9000:2001国际质量体系认证、全国工业产品生产许可证和齐全的煤安标志认证等系列证书。公司近年来引进众多高级技术人才，装备了国际先进的生产设备和质量检测设备，可生产符合国内及国外多种标准的优质产品。公司产品营销网络覆盖全国，多种产品行销至欧美等三十多个国家和地区，充分满足了不同用户的多层次需求，赢得了国内外用户的一致认可和赞誉。

Qingdao Front Industry Co.,Ltd located in Qingdao, China. After so many years' development, we have established a big base of conveyor belt manufacturing in China, owning 20 million USD fixed assets, with a 10 thousand square meters industry zone. We have the biggest conveyor belt production lines in China, and annual value of production up to 60 million USD.

Now we are a big corporation specialized in producing and selling all kinds of conveyor belt, like steel cord conveyor belt(ST), multiply fabric conveyor belt(EP, NN, CC), Solid woven belt(PVC, PVG), and some special used belt, such as corrugated sidewall conveyor belt, chevron belt and so on. We can also supply the belt according to different standards and different performances, like heat resistant, fire resistant, tear resistant, abrasion resistant, oil resistant, cold resistant, and fire retardent belt, rubber board/sheet, etc.

So far, we have been insisting on the way of high quality and perfect services, and got the authentication of ISO9000:2001, China national Mining Safety Certificates. We have set up a complete quality and management system, brought in abundant excellent technicians and equipped with advanced production and testing facilities. Our products are sold over the China and also exported to 30 countries in the world. The high reputation from customers make us continuously to go forward.





# 企业荣誉 Qualification and Glory

# Catalogue 目录

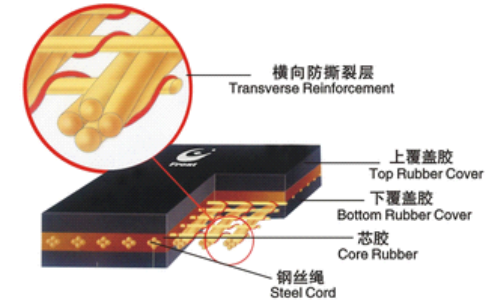
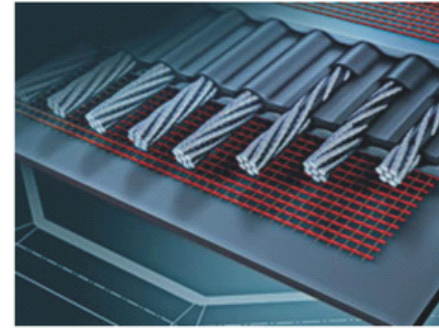
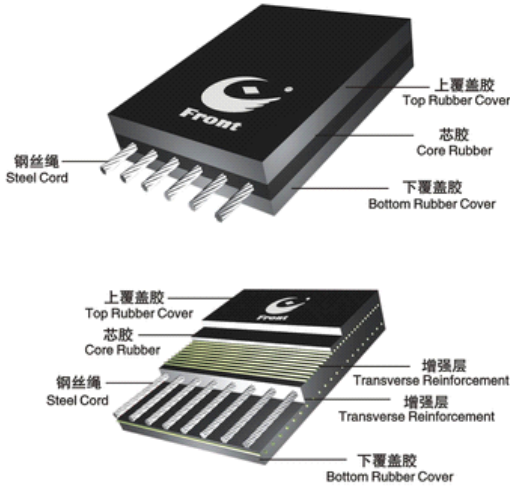


- 公司简介 ..... 1-2  
Company Profile
- 公司荣誉 ..... 3-4  
Qualification and Glory
- 钢丝绳芯输送带 ..... 5-7  
Steel Cord Conveyor Belt
- 钢丝绳牵引输送带 ..... 8  
Steel Cable Conveyor Belt
- 分层式织物芯输送带 ..... 9-10  
Multi-ply Fabric Conveyor Belt
- 整芯输送带 ..... 11-12  
Solid Woven Conveyor Belt
- 波状挡边输送带 ..... 13-16  
Corrugated Sidewall Conveyor Belt
- 斗提机胶带 ..... 17-18  
Bucket Elevator Belt
- 花纹输送带 ..... 19  
Chevron Conveyor Belt
- 卷管输送带 ..... 20  
Pipe Conveyor Belt
- 环形输送带 ..... 20  
Endless Conveyor Belt
- 金属网芯输送带 ..... 21  
Steel Mesh Cord Conveyor Belt
- 输送机覆盖带 ..... 22  
Sealing Belt
- 过滤机胶带 ..... 22  
Filtration Belt
- 橡胶板 ..... 23  
Rubber Mat/Sheet
- 水坝 ..... 24  
Rubber Dam
- 橡胶围油栏 ..... 24  
Rubber oil Containment Booms
- 售后与维修中心 ..... 25-26  
Conveyor Belt Service & Maintenance Center
- 生产设备 ..... 27-28  
Processing Equipment
- 检测设备 ..... 29-30  
Testing Equipment



**特点:** 拉伸强度大, 抗冲击性好, 寿命长, 使用伸长率小, 成槽性好, 耐曲挠性好, 适用于长距离, 大运量、高速度物料输送。  
**用途:** 可广泛用于煤矿、矿山、港口、冶金、电力、化工等领域物料输送。  
**品种:** 按覆盖胶性能可分为: 普通型、阻燃型、耐寒性、耐磨性、耐热性、耐酸碱型等品种。  
 按内部结构可分为: 普通结构型、横向增强型、预埋线圈防撕裂型。

**Advantage:** Strong tensile strength, long-life, low elongation, easy to trough, anti-bent, suitable for long distance, heavy load and high-speed conveying materials.  
**Use:** Conveying materials in coal, mine, harbour, metallurgy, power station, chemical etc. field.  
**Type:** (1) Conventional, Fire-resistant, Cold-resistant, Abrasion-resistant, Heat-resistant, Acid/alkali-resistant etc. (Referring rubber cover)  
 (2) General structure, Cross rigid structure, Anti-tearing iron ring structure.



**ST系列钢丝绳芯输送带主要技术参数**  
 Technical Data for ST Steel Cord Conveyor Belt

带的规格 Specification	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6300	ST7000	ST7500
纵向拉伸强度 N/mm Elongation Tensile Strength	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400	6300	7000	7000
钢丝绳最大公称直径 mm Max Diameter of cord	3.0	3.5	4.0	4.5	5.0	6.0	7.5	8.1	8.6	8.9	9.7	10.9	11.3	12.3	13.5	15.0
钢丝绳间距 mm Pitch of Cord	10	10	12	12	12	12	15	15	15	15	16	17	17	18	19	21
上覆盖层厚度 mm Top Rubber Cover Thickness	5	5	6	6	6	8	8	8	8	8	8	8.5	9	10	10	10
下覆盖层厚度 mm Bottom Rubber Cover Thickness	5	5	6	6	6	6	6	8	8	8	8	8.5	9	10	10	10
胶带参考质量 kg/m <sup>2</sup> Reference Weight	18	19.5	22.5	24	25.9	31.8	36.1	40.4	45	43.8	45.1	50.7	53.4	59.6	63.7	68.7
宽度规格 mm Width (mm)	钢丝绳根数 Cord Number															
800	75	75	63	63	63	63	50	50	50							
1000	95	95	79	79	79	79	64	64	64	64	59	55	55	54	49	45
1200	113	113	94	94	94	94	76	76	77	77	71	66	66	63	59	54
1400	133	133	111	111	111	111	89	89	90	90	84	78	78	74	69	63
1600	151	151	126	126	126	126	101	101	104	104	96	90	90	85	80	72
1800		171	143	143	143	143	114	114	117	117	109	102	102	96	90	82
2000			159	159	159	159	128	128	130	130	121	113	113	107	101	91
2200							176	141	141	144	144	134	125	125	118	111
2400							193	155	155	157	157	146	137	137	129	121
2600							209	168	168	170	170	159	149	149	140	131
2800							230	184	184	184	184	171	161	161	151	142
3000							247	198	198	198	198	185	174	174	148	152
3200							264	211	211	211	211	198	186	186	158	162

★ 胶带质量根据覆盖胶厚度、密度变化  
 说明: 输送带单卷长度100-1500m, 受厚度、宽度、运输、安装等条件限制, 每卷长度由供需双方确定。  
 ★ Rubber cover thickness and density decide the belt weight.  
 Note: 100-1500m Per Roll.  
 Belt beyonds the above specification, can also be made as required.

**DIN22131 钢丝绳芯输送带主要技术参数**  
 Technical data for steel cord conveyor belt according to DIN22131

技术要求 Reference Data	规格 Specification	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
最低拉伸度 Minimum breaking load N/mm		1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
钢丝绳最大公称直径 Max. Diameter of cord		4.1	4.9	5.6	5.6	7.2	8.1	8.6	8.9	9.7	10.9	11.3
绳距 Pitch of cord Tolerance ±1.5		12	14	15	12	15	15	15	15	16	17	17
覆盖胶厚度 (mm) thickness of cover (minimum)		4	4	4	4	5	5.5	6.5	7	7.5	8	
宽度 (width)		钢丝绳根数 cord number										
宽度规格 (mm) width (mm)	极限偏差 (mm) tolerance											
500	±5	39	34	-	-	-	-	-	-	-	-	-
650	±7	51	44	-	-	-	-	-	-	-	-	-
800	±8	64	55	50	64	-	-	-	-	-	-	-
1000	±10	81	69	64	81	64	64	64	64	59	55	55
1200	±10	97	84	77	97	77	77	77	77	71	66	66
1400	±12	114	98	90	114	90	90	90	90	84	78	78
1600	±12	131	112	104	131	104	104	104	104	96	90	90
1800	±14	147	127	117	147	117	117	117	117	109	102	102
2000	±14	164	141	130	164	130	130	130	130	121	113	113
2200	±15	181	155	144	181	144	144	144	144	134	125	125
2400	±15	197	169	157	197	157	157	157	157	146	137	137
2600	±15	214	184	170	214	170	170	170	170	159	149	149
2800	±15	231	198	170	214	170	170	170	170	159	149	149
3000	±15	247	212	197	247	197	197	197	197	184	172	172
3200	±15	264	227	210	264	210	210	210	210	196	184	184



### 钢丝绳芯输送带的执行标准及主要指标: Technical of Steel Cord Conveyor Belt

品种 Type	标准及主要指标 Standard and Main Technical			
普通型 Conventional	GB/T9770	DIN 22131	JIS-K 6369:2000	
阻燃型 Fire-resistant	MT668	HG 2539 II型	DIN 22131	JIS-K 6324:2000
一般难燃型 Conventional Flame Retardant	HG 2539 I型	DIN22103	DIN22131	
耐热型 Heat Resistant	HG/T 2297	ISO 4195		
耐磨型 Abrasion Resistant	邵伯尔磨耗量≤90mm <sup>3</sup> DIN22131(W) Shore Abrasion≤90mm <sup>3</sup>			
耐热耐磨型 Heat & abrasion Resistant	耐125℃以下, 邵伯尔磨耗量≤150mm <sup>3</sup> Resistant≤125℃, Shore Abrasion≤150mm <sup>3</sup>			
耐酸、碱、油型 Acid, alkali, oil resistant	HG4-846	HG/T 3714-2003	RMA(MOR OR)	
耐寒型 Cold-resistant	脆性温度-20℃~ -50℃ HG/T 3647-1999 Fragility Temperature-50℃			
耐臭氧型 Ozone-resistant	臭氧浓度50X10 <sup>-3</sup> m <sup>3</sup> /m <sup>3</sup> 40℃/72h不龟裂 RMA(ASTM D1171) Ozone Density50x10 <sup>-3</sup> m <sup>3</sup> /m <sup>3</sup> 40℃/72h No Chap			

建议钢丝绳芯输送带使用的输送机最小滚筒直径: (Min.Conveyor Roller Diameter)

规格 Type	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6000
最小滚筒直径 c (mm)	800			1000			1250	1400	1600	1800	2000			

※ ST系列执行GB/T9770标准, GX系列执行鲁Q/QD 439标准。  
ST series are produced by GB/T9770 standard, GX series by LuQ/Qd439 standard.

**用途:** 广泛应用于煤炭、矿山等领域输送物料。  
**结构:** 沿胶带横向铺设方钢条, 其间以橡胶填充, 以贴胶的帆布包裹成为带芯并覆盖上、下覆盖橡胶, 两边为耳槽。  
**特点:** 靠钢丝绳牵引运行, 带体只承载物料, 不承受拉力, 带体刚度大, 不伸长, 抗冲击, 耐磨损, 适用于长距离、高载量条件下输送物料。



**Application:** Widely Used in coal industry and mines etc.for conveying materials.  
**Construction:** Lay transversely steel bars along the belt.Fill rubber compound into each place between bars.Then wrapped these bars with skimmed fabric to form the reinforcement.On the top and bottom of the bars,covered with a layer of rubber compound.

**Feature:** The belt runs by means of the traction of steel cable. Belt itself only supports conveying materials, not bear pulling strength. Belt rigidity is big with little elongation. Belt is of impact resistant and anti-abrasion. It is suitable for conveying materials under a long distance and heavy load.

### 钢丝绳牵引输送带规格系列 Specification of Steel Cable Conveyor Belt

输送带规格 Belt Size	方钢条规格(mm) Size of steel bar(mm)	钢丝绳直径 (mm) Dia.of steel cord(mm)	钢条间距 (mm) Pitch of steel bars(mm)	备注 Remark
864X2PX(4.5+5+2.5)	5X5X840	28.0	35、45、55、65	上、下耳胶对称
926X2PX(3+5+2)	5X5X880	30.0	50	上、下耳胶对称
1055X2PX(3+5+2)	5X5X1034	28.5	35、45、55	上、下耳胶对称
1070X2PX(3+5+1.5)	5X5X1034	40.0	35、45、55	上、下耳胶不对称
1070X2PX(3+5+1.5)	5X5X1034	40.0	35、45、55	上、下耳胶对称
1070X2PX(3+5+1.8)	5X5X1034	40.0	35、45、55	上、下耳胶不对称
1070X2PX(3+5+2)	5X5X1034	28.5	35、45、55	上、下耳胶不对称
1070X2PX(3+5+2)	5X5X1034	28.5	35、45、55	上、下耳胶对称, 两边出60mm扶手边
1090X2PX(5+5+5)	5X5X1055	40.5	35、45、55	上、下耳胶对称
1126X2PX(3+5+2)	5X5X1080	40.0	35、45、55	上、下耳胶不对称
1126X2PX(3+5+3)	5X5X1080	40.0	50	上、下耳胶对称
1290X2PX(3+6+3)	6X6X1250	40.0	40	上、下耳胶对称
1290X2PX(5+6+2)	6X6X1250	37.0	38	上、下耳胶对称
1290X2PX(5+6+2.6)	6X6X1250	37.0	36	上、下耳胶对称
1300X2PX(5+7+5)	7X7X1250	40.5	40	上、下耳胶对称

注: 1.覆盖胶有普通型和阻燃型 2.帆布材质有棉帆布或聚酯帆布。  
1、Rubber Cover: Conventional, Fire-resistant 2、Fabric: EP, CC

### 输送带m<sup>2</sup>计量方法 Calculating method(m<sup>2</sup>)

$$M^2 = \text{带宽}m \times [\text{布层数} + \frac{\text{带体总厚度mm} - \text{单层布厚mm} \times \text{布层数}}{1.5\text{mm}}] \times \text{带长}m + \text{耳胶折算}m^2$$

$$m^2 = \text{Width}(m) \times [\text{Ply Number} + \frac{\text{Belt thickness} - \text{Single Fabric Thickness} \times \text{Ply Number}}{1.5\text{mm}}] \times \text{Length}(m) + \text{Ear Rubber Concertion}(m^2)$$

### 品种 Type

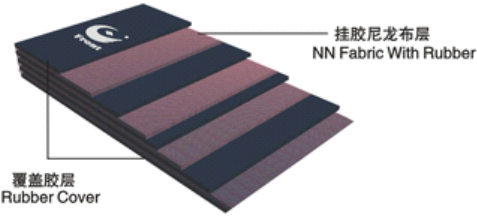
品种: 按覆盖胶的不同可分为普通型(Conventional)和阻燃型(Fire-resistant)。

织物芯输送带按抗拉层材料不同分为：

棉帆布 (CC) 输送带、尼龙 (NN) 输送带、聚酯 (EP) 输送带。

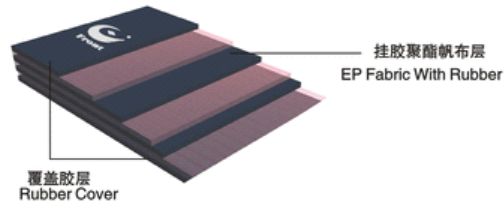
**Fabric Conveyor Belts are Named According to Different Carcass:**

Cotton Conveyor Belt, Nylon Belt, EP Belt.



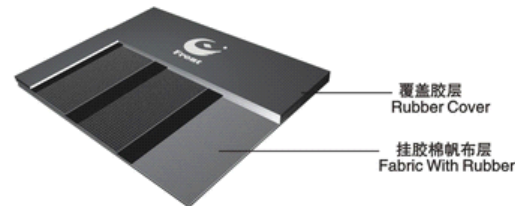
## 尼龙 (NN) 输送带 Nylon Conveyor Belt

带体弹性好, 强力高, 抗冲击、耐曲挠性好, 成槽性好, 使用伸长小, 适用于中长距离较高载量, 高速条件下输送物料。  
 NN BELT: under condition of middle/ long distance.heavy loading capacity, high speed, strong lash and high flexibility.



## 聚酯 (EP) 输送带 EP Conveyor Belt

带体模量高, 使用伸长小, 耐热性好, 耐冲击, 适用于中长距离较高载量, 高速条件下输送物料。  
 EP BELT: under condition of middle/long distance, heavy loading capacity, high speed conveying, good flexing capacity, trougahble, heat resistant, low lad elongation.



## 棉帆布 (CC) 输送带 Cotton Conveyor Belt

棉帆布输送带: 一种传统的输送带, 适用于中短距离输送物料。  
 COTTON BELT: suitable for middle/ short distance conveying.



耐寒型输送带 Cold Resistant Belt



耐高温 (烧灼) 型输送带 High Temperature Resistant Belt



高耐磨输送带 High abrasion resistant conveyor belt

## 分层式织物芯输送带规格系列 Multi-ply fabric belt specification

胶带类型 Belt Type	织物型号 Fabric Type	单层织物强度(N/mm) Single Fabric Strength(N/mm)	单层织物骨架厚度(mm) Single Fabric Thickness(mm)	覆盖胶厚(mm) Cover thickness		布层数 Ply	生产宽度范围 Width Range(mm)	生产长度 (m) /卷 Length(m) Roll
				上胶 Top Rubber	下胶 Bottom Rubber			
尼龙 (NN) 输送带 Nylon Belt	NN100	100	0.70	3.0	1.5	2-10	300-4200	20-400
	NN150	150	0.75					
	NN200	200	0.90					
	NN250	250	1.15					
	NN300	300	1.25					
聚酯 (EP) 输送带 Ep Belt	EP100	100	0.75	4.5	3.0	2-8	300-4200	20-400
	EP150	150	0.85					
	EP200	200	1.00					
	EP250	250	1.20					
	EP300	300	1.35					
	EP350	350	1.50					
棉帆布 (CC) 输送带 Cotton Canvas Belt	CC-56	56	1.10	10.0	10.0	3-12	300-4200	20-400

## 应用 Application

广泛应用于矿山、港口、煤炭、冶金、建筑、化工、粮食等领域的物料输送。  
 Widely Used in Mining, Harbour, Coal, Metallurgy, Chemical etc. Field for Conveying Materials.

品种: 分层式织物芯输送带根据覆盖胶的不同, 有普通型、耐热型、耐高温型、耐烧灼型、耐磨型、耐热磨型、一般难燃型、防静电型、耐酸碱型、耐油型、食品型等品种。

Type: Based on the rubber cover, the multi-ply conveyor belt can be clarified as follows: Normal Standard, Heat-resistant, Flame-retardant, Abrasion-resistant, Normal fire-resistant, Static-transmission, Acid-alkali resistant, Oil-resistant and Food type.

品种名称 Type	特点与用途 Feature and application
普通型 Conventional	能输送粉状、粒状和块状物料。用于一般物料输送领域。 Generally used for powder, grain and block material.
耐油型 Oil/fat resistant	具有耐油性, 用于输送含油物料。 Oil, fat material
耐酸碱型 Acid&alkali resistant	能输送PH值为4-10的酸碱性物料, 能耐一定浓度的盐酸、硫酸、硝酸、弱碱等物料。 PH4-10 material
耐热型 Heat resistant	分为 (T1型) 耐不大于100°C 的温度。(T2型) 耐不大于125°C 的温度。 T1 ≤ 100°C, T2 ≤ 125°C
耐高温型 (耐烧灼) High temperature resistant	(T3型) 可耐不大于150°C 的温度, 耐高温型可耐不大于180°C, 耐烧灼输送带可输送200°C - 600°C 温度的物料, 适用于冶金、焦化、建材和铸造行业烧碱成品、水泥熟料和各种高温物料的输送。 T3 ≤ 150°C, T4 ≤ 180°C, Fire Resistant: 200-600°C
阻燃型 Flame retardant	输送带表面具有阻燃性能, 能够瞬间熄灭火焰, 适用于需阻燃的输送场所。 Extinguishing the flame quickly.
耐寒型 Cold resistant	输送带表面具有耐寒性能, 能在-40°C 以上气温条件下使用, 适用于严寒地区露天情况下输送物料。 Cold up to -40°C
耐磨型 Abrasion resistant	输送带表面具有抗冲击、抗物料的棱角磨损, 适用于输送坚硬物料和棱角较尖锐等物料的输送条件。 Anti-shock for shaped material

带体不脱层，伸长小，抗冲击，耐撕裂，主要用于煤矿井下。  
按结构不同分为PVC型、PVG型整芯输送带。

PVC型为全塑型整芯输送带。

用于倾角16°以下干燥条件的物料输送。

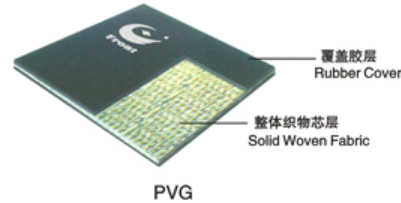
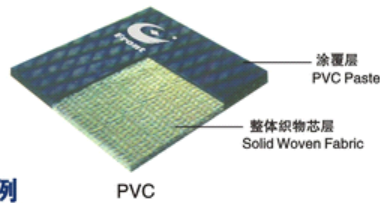
PVG型为橡胶面整芯输送带。

用于倾角20°以下潮湿有水物料输送。

PVC/PVG: Solid woven flame retardant belts are used in conveying coal, without taking off for layers. low elongation, Anti-shock and tearing-resistant, usually used in mining.

PVC Belt: Used for conveying material up to 16° inclination under dry conditions.

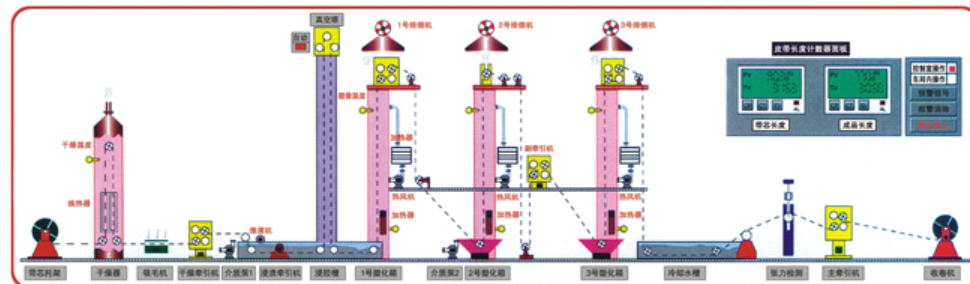
PVG Belt: Rubber cover, suitable for conveying water material up to 20° inclination.



标志示例  
Marks model

MA	PVG(PVC)	800	S	N	2008	01
“安全标志”符号 “Safe Marks” symbol	覆盖层材质为橡胶 (覆盖层材质为塑料) Material of cover:rubber (Material of cover:plastic)	阻燃带纵向拉伸强度 Elongation break strength of Flam retardant	阻燃抗静电的代号 Code of Flame-retarant and anti-static	制造厂名称 Name of Manufacture	制造年份 Date of Manufacture	产品检验合格证编号 Quality Certificate NO.

PVC/PVG塑化生产线示意图



整芯式输送带规格系列  
Specification of Solid Woven Belt

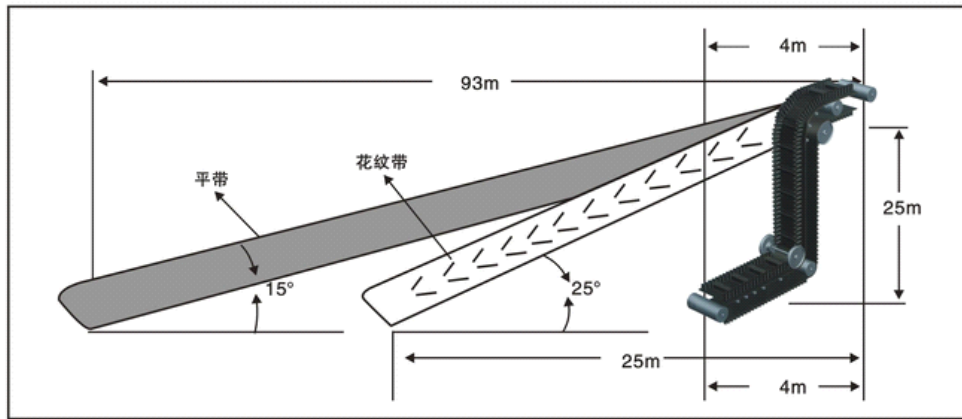
型号 Type	整体拉伸强度 (N/mm) Total Tensile Strength (N/mm)		整体拉伸伸长率 (%) 不小于 Total Tensile Rate at Breaking ≥		带宽 (mm) Width(mm)	每卷带长(m) Length(m)/Roll
	纵向 Elongation	横向 Transverse	纵向 Elongation	横向 Transverse		
680S/四级 (Grade4)	680	265	15	18	400   2000	50-200
800S/五级 (Grade5)	800	280				
1000S/六级 (Grade6)	1000	300				
1250S/七级 (Grade7)	1250	350				
1400S/八级 (Grade8)	1400	350				
1600S/九级 (Grade9)	1600	400				
1800S/十级 (Grade10)	1800	400				
2000S/十一级 (Grad11)	2000	400				
2240S/十二级 (Grad12)	2240	450				
2500S/十三级 (Grad13)	2500	450				
2800S/十四级 (Grad14)	2800	450				
3100S/十五级 (Grad15)	3100	450				
3400S/十六级 (Grad16)	3400	450				

输送带的执行标准及主要技术指标  
Standard and Main Technical Data

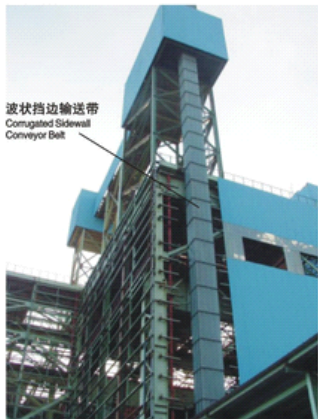
品 种 Type	标准及主要指标 Standard and Main Technical Data
普通型 Conventional	GB/7984-2001 DIN22102
耐热型 Heat Resistant	HG/2297 T1型(≤100℃) T2型(≤125℃)
耐高温型 High Temperature Resistant	HG/2297 T3型(≤150℃)
耐烧灼型 Fire Resistant	耐200℃以上物料灼烧 Resistant>200℃ Material Caulterize
耐热磨型 Heat, Abrasion Resistant	耐125℃, 邵泊尔磨耗量≤150mm <sup>3</sup> Resistant125℃, Shore Abrasion≤150mm <sup>3</sup>
耐磨型 Abrasion Resistant	邵泊尔磨耗量≤90mm <sup>3</sup> Shore Abrasion≤90mm <sup>3</sup>
一般阻燃型 Conventional Flame Retardant	GB/T10822-2003
耐寒型 Cold-resistant	脆性温度-50℃ Fragility Temperature-50℃
耐酸、碱、油型 Acid, Alkali, Oil Resistant	HG-846
PVC PVG	BS3289 MT914-2002 HG2805

波状挡边输送带被广泛应用于港口、冶金、矿山、电力、煤炭、铸造、建材、粮食、化工等领域物料输送。能使各种散装物料以0-90度作任意倾角连续输送、可从很小的粒度到400mm的大粒度，输送量可从1立方米/小时到6000立方米/小时。具有输送倾角大、使用范围广、占地面积小、无转运点、减少土建投资、维护费用低、输送量大等特点，解决了普通输送带或花纹输送带所不能达到的输送角度。波状挡边输送带可根据要求设计成一套完整输送系统，避免了间断输送和复杂输送的提升系统。

Corrugated sidewall conveyor belt is widely used in seaport, metallurgy, mining, power, coal, casting, cement, and chemical industry. Sidewall belt can convey bulk material at an incline of 0°-90°, and granularity diameter up to 400mm. It is one of the most effective ways of elevating materials in a confined space, the economy is achieved by single belt operation, wide range material can be handled, less space requirement, no transfer point, low maintenance and big capacity. Corrugated sidewall belt can be designed into a set of complete transportation system according to application.



大倾角胶带场地节约示例  
Illustration of ground saving ability of the vertical conveyor system



钢厂高炉90°提升 基带：钢丝绳芯基带



港口装船机 用于港口：带宽2000mm 挡边高500mm  
基带：钢丝绳芯基带

公司自主研发致力于追求产品科技与国际同步，从研究开发设计到生产制造安装及服务，涉及波状挡边输送带技术的各个领域。The company is a Manufacturer Specialized in Sidewall Conveyor Belt. Conveyor Belt Technology Field, supplying design, manufacture, installation and service.

## 基带 Cross-rigid Base Belt

### 横向刚性层的作用

波状挡边输送带要求具有一定的抗拉强度和耐磨性。其中对留有空边的波状挡边输送带，为了适应角度改向的要求，胶带的纵向要求有柔软性，横向则要求一定的刚性。公司生产的波状挡边输送带采用特殊结构的横向刚性基带，解决了大规格输送带在运转过程塌带现象。

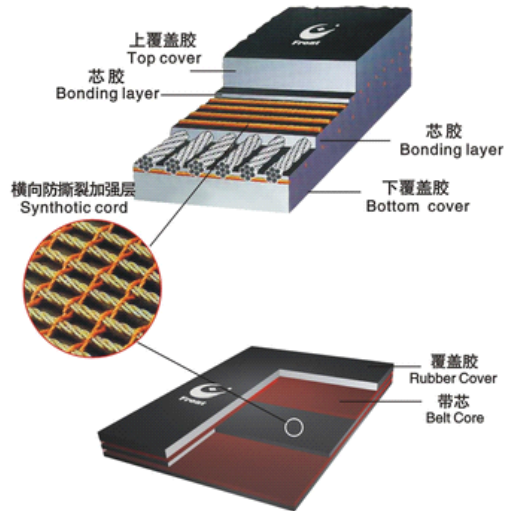
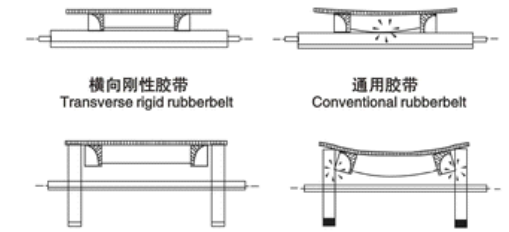
Corrugated sidewall conveyor belt has the performance of strong tensile strength and abrasion resistance. The base belt which have the free edge should be soft in order to meet the requirement of changing course. Our corrugated sidewall belt use the special base belt with transverse rigid structure to avoid the belt collapse during running.

### 基带的构造

基带是由上覆盖胶、下覆盖胶、带芯和横向刚性层四部分组成。带芯材料承受拉力，其材料可以是棉帆布（CC）、聚酯帆布（EP）或钢丝绳（ST）。为了增加基带的横向刚性，在芯体加入特殊加强层，称横向刚性层。

#### Base Belt Structure:

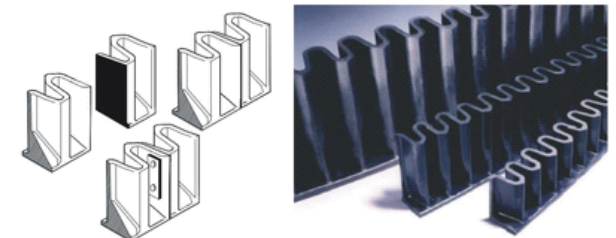
Four parts: Top cover rubber; Bottom cover rubber; Reinforced core; Crossrigid.  
Belt core: Cotton, Nylon, EP or Steel Cord  
In order to raise the performance of transverse rigid performance of the base belt, we use the special reinforcement ply in base belt.



## 波状挡边 Corrugated sidewall

公司根据波状挡边的使用原理对波状挡边的制造工艺进行了改革创新，增加了挡边的使用寿命。S形波状挡边按承载能力可分为轻型（N）、中型（S）和重型（ES）。

We manufacture the corrugated sidewall with tearing-resistant cotton to enforce the belt tearing for long life.





### 横隔板 Cleat

公司生产的横隔板采用纤维复合材料制作而成，挺性大、增强耐冲击性，避免了隔板因受力而发生形变。在磨损较重的情况下，为维修方便，横隔板可做成锁嵌式，如TS和TCS。输送机倾斜角度小于40度时，横隔板用T型或TS型；倾斜角度大于40度时，横隔板用C型、TC型或TCS型。

布置横隔板间距时，应考虑与波状挡边的波峰相对应。以防止物料从二者缝中漏下和卸料时造成积料死角。我公司生产的波状挡边输送带，挡边、横隔板与基带的粘接采用二次低温硫化粘接，粘接强度高，粘接牢固、平整，不掉板，不脱落。横隔板与波状挡边间用螺栓连接，增加了整体刚性和提高使用性能，解决了物料泄漏问题。

#### Cleat types: T, TS, C, TC and TCS

The cleat is made of enforced fabric, solid, anti-shock to avoid distortion.

"TS and TCS" cleat are normally used for abrasion condition.

"T and TS" cleat are normally used up to 40°C, TC and TCS" are normally used from 40° to 90° .

Sidewall, cleat and base belt are joined through hot vulcanization.

Cleat and sidewall are joined through bolt to prevent leakage of material.

横隔板的型号可分为：

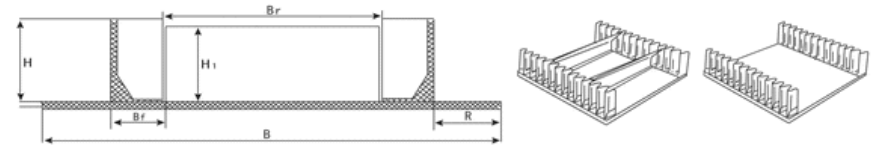


### 波状挡边与横隔板组合表 Sidewall and Cleat

单位: mm

型号 名称Name	N					S				ES			
波形挡边 Sidewall													
高度 Height	40	60	80	100	120	120	160	200	240	300	400	500	630
结构 structure													
型号 Type	TC					TC				TC			
高度 Height	35	55	75	90	110	110	140	180	220	280			
结构 structure													
型号 Type	T					T		TS		TS			
高度 Height	35	55	75	90	110	110	140	180	220	280	360	460	580
结构 structure													
型号 Type	C					C		TCS		TCS			
高度 Height		55	75	90	110	110		180	220	280	360	460	580

※挡边非标准系列有：S136、S220、S270、S360  
Non-Standard of sidewall: S136、S220、S270、S360



### 波状挡边带组合数 Sidewall and Cleat

基带宽B Base Belt Width B(mm)	挡边高H Sidewall Height H(mm)	横隔板高H1 Cleat height H1(mm)	Bf (mm)	Br (mm)	R (mm)
300	40	35	25	180	35
	60	55	50	120	40
	80	75			
400	60	55	50	180	60
	80	75			
	100	90			
500	80	75	50	250	75
	100	90			
	120	110			
650	100	90	50	350	100
	120	110	75	300	
	160	140	50	460	
800	120	110	75	410	120
	160	140			
	200	180			
1000	160	140	75	550	150
	200	180			
	240	220			
1200	160	140	75	690	180
	200	180			
	240	220			
1400	300	280	105	630	
	200	180	75	830	210
	240	220			
1600	300	280	105	770	
	400	360			
	200	180	75	970	240
1800	240	220	105	910	
	400	360	75	1110	
	300	280	105	1050	270
2000	400	360	125	1010	
	500	460			
	240	220	75	1250	
2200	300	280	105	1190	300
	400	360			
	500	460	125	1150	
2400	300	280	105	1330	330
	400	360			
	500	460	125	1290	
2400	630	600	145	1250	
	400	360	105	1470	
	500	460	125	1430	360
	630	600	145	1390	



应用 Application

## 应用 Application

斗提机输送带用于垂直输送物料，广泛应用于建筑、矿山、化工、轻工、机械、电力、粮食等部门。Suitable for conveying material vertically, widely used in building, Mining, chemical, Light industry, power station and grain etc, field.

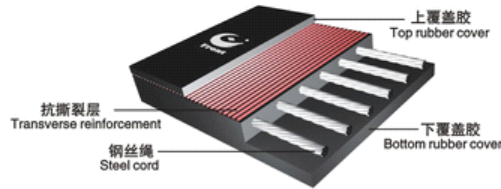
## 特点 Feature

伸长小，输送量大，运行平稳，维护方便，对块状物料适应性良好。这种专用胶带有厚度、钢丝密度、经纬布置、钢丝粗细等方面与传统钢丝胶带有完全不同。此种胶带有纵、横双向组成钢质骨架，因此可保证料斗的安全连接和载荷均衡分布。胶带有机械打孔，出厂前孔已打妥。使用效果表明，这种专用钢丝胶带有完全满足了大输送量、超高温提升的使用要求。

近几年公司研究人员不断进行技术攻关，将原有配方、原材料和加工工艺进行了改进。新开发的钢丝胶带有瞬间耐温更高，瞬时可达180℃，使N-TGD提升机适用于高温粉状物料输送环节，如：矿渣粉磨、出磨水泥、入库水泥以及粉煤灰等物料输送。

Front special high intensity steel wire belt is completely different with traditional belt at the belt thickness, steel wire density, warp and wool layout and steel wire thickness etc. Such belt composing the steel skeleton both in longitudinal and transverse ensure the safety of connectivity and load balanced distribution of the bucket. The using effect show that such special steel wire belt completely satisfied the requirement of mass transportation volume and ultrahigh heave.

Recent years, Design Institute scientific researcher strived to make technological breakthrough, improved the formula, material and processing technic. The new developed steel wire belt have a higher moment temperature resistance which can reach to 180℃, and make N-TGD elevator apply to high temperature pulverized material conveying section, like slag, cement of discharge from mill, cement of come into silo and fly ash etc delivery.



## 胶带配件 Accessory



料斗与接头部分 Bucket & Joint



料斗高强度螺栓 Bucket high-strength bolt



接头装置填充料 Splicing device stopping



合金接头装置 Alloy splicing device

## N-TGD钢丝橡胶带斗式提升机

N-TGD钢丝橡胶带斗式提升机（以下简称：N-TGD）具有输送量大、体积小、功耗低、运行平稳可靠、使用寿命长、可实现单机超高温提升等特点。本机适用于散状物料或小粒状物料的垂直输送。广泛应用于水泥、氧化铝、化肥、煤炭、电力、港口、粮食等行业粉粒状物料高负荷输送系统，完全替代同规格进口设备。在现代化工厂主要用于以下粉体物料垂直输送环节。

- ◇ 入磨生料输送； ◇ 入库生料、入库水泥输送；
- ◇ 在运行能率、运行可靠性、使用寿命等方面，N-TGD耐高温钢丝橡胶带斗式提升机在下述输送环节优于板链提升机。
- ◇ 生料磨出磨物料输送；
- ◇ 水泥磨出磨物料输送；
- ◇ 水泥包装系统物料输送
- ◇ 矿渣粉磨系统出磨物料输送

## N-TGD技术指标

- ◇ 单机提升高度超过130m；
- ◇ 单机输送能力超过1335m<sup>3</sup>/h；
- ◇ 胶带有瞬时耐温达180℃；

## N-TGD技术特点

- N-TGD采用多项高新技术，各项技术指标等同和优于进口同类设备。
- ◇ 牵引件采用高强度专利钢丝胶带有；
- ◇ 采用特种材质带夹，具有优良抗疲劳性能；
- ◇ 胶带有接头采用专用锁固技术；
- ◇ 头轮采用瓦片式腹胶结构，更换方便；
- ◇ 自平衡张紧装置，自动张紧，自动纠偏；
- ◇ 料斗间紧密排列，连续提取和卸出物料。

## 规格型号 Table of conveying capacities

斗宽(mm) Bucket width (mm)	250	315	400	500	630	800	1000	1250	1400	1600		
料斗容积(L) Bucket volume (L)	5	6.5	14.6	18	29	37	58	73	99	114		
输送量m <sup>3</sup> /h	φ 100%		85	117	225	280	450	570	950	1255	1547	1780
Conveying Capacity m <sup>3</sup> /h	φ 75%		63	88	168	210	338	428	712	941	1160	1335
提升高度(m) Lifting height (m)	> 100	> 100	> 100	> 120	> 120	> 120	> 130	> 130	> 130	> 130		

说明：①料斗容积为盛水容积，φ为物料填充率；②提升高度指提升机轴距C。  
Notes: ①The bucket volume is the volume when taking water, φ is the material filling ratio.  
②The maximum lifting height is the center distance C between the head shaft and the tail shaft.



斗提机专用钢丝橡胶带



## N-TGD Steel Wire Rubber Belt Bucket Elevator

The N-TGD steel wire belt bucket elevator (hereinafter referred to as N-TGD) has the features of large transportation volume, small space occupation, low power consumption, stable and reliable operation, long service life, single machine super-high lifting etc. This elevator is suitable for vertical transportation of powdery bulk materials or small particulate materials, and is widely applied in the industry such as cement, chemical engineering, coal, electricity, port, foodstuff etc. as high loading transportation system. Such equipment can completely take the place of imported equipment of the same size. It is specially recommended for the following fields in cement product line.

- ◇ Kiln feeding of NSP cement kiln preheater system
- ◇ Raw material and cement silo feeding
- The N-TGD (High temperature resistant elevator) performance better than the board chain elevator in following fields, especially the capacity of energy consumption, operational reliability and services life performance better.
- ◇ Raw material discharged from mill
- ◇ Cement discharged from cement mill
- ◇ Material in cement packaging system
- ◇ Material in slag grinding system

## Technical Features

- ◇ Lifting height is up to 130m
- ◇ Conveying capacity is up to 1335m<sup>3</sup>/h
- ◇ Instantaneous material temperature can reach 180℃

## Technical Characters

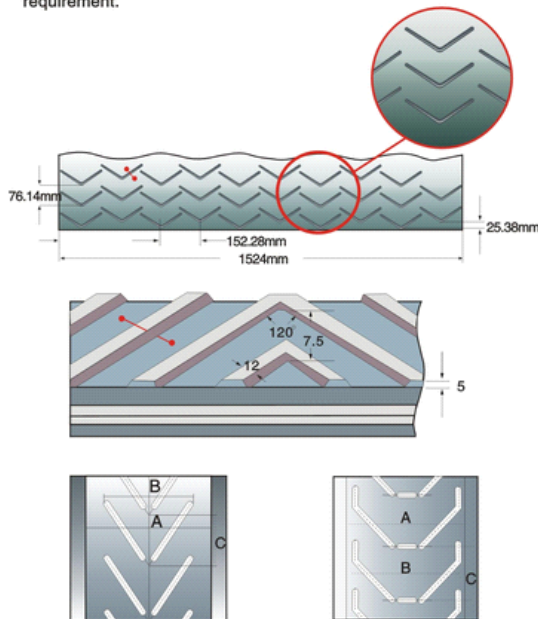
- The N-TGD is possessed of several proprietary intellectual property rights, the main technical features are better than the similar imports.
- ◇ The traction part is special steel wire rubber belt made with DIN standards.
- ◇ The clamps are made by special alloy material with capacity of fatigue-resistant.
- ◇ Technology and special glue for belt locking.
- ◇ The head pulley typed with plastic-covered slices, convenient for replacing.
- ◇ The use of the automatic tensioner can meliorate the belt operated smoothly, and it can adjust the skew running of the belt.
- ◇ Level controller, detector for swing of the belt, speed detector is provided for choice.
- ◇ Compact arrangement of buckets, continuous reclaiming and discharge of material.

## 特点 Feature

适用于倾角0° — 40° 散装、袋装物料输送，防止物料下滑，提高输送能力。  
Suitable for bulk material packed in bag conveying up to 45°, slide resistant and high conveying capacity.

## 型式 Format

人字型花纹、鱼骨花纹、U型花纹、圆柱型花纹等。  
带宽：300mm-2200mm  
花纹高：5、10、15、20、25、30(mm)  
花纹间距：125、200、250、330、400、500(mm)  
注：花纹形状可根据用户要求另行设计。  
Chevron shape, cleat shape, U shape, herringbone shape, cylinder pattern  
Width of belt: 300mm-2200mm  
Height of pattern: 5, 10, 15, 20, 25, 30(mm)  
Pattern pitch: 125, 200, 250, 330, 400, 500(mm)  
Note: pattern can be designed according to the user's requirement.

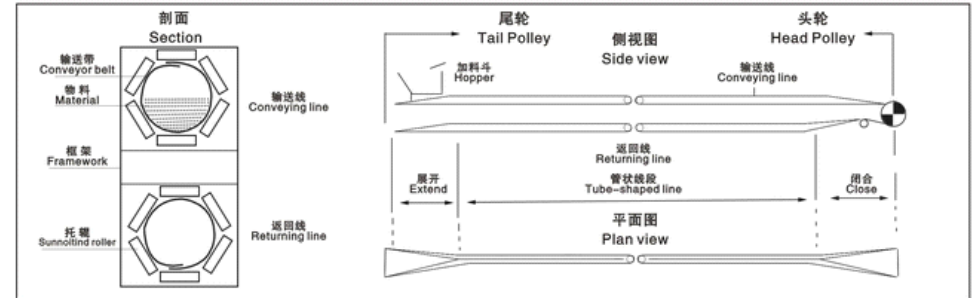
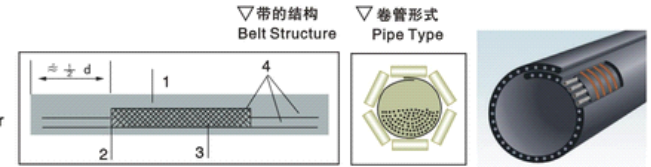


## 应用 Application

用于管状带式输送机的物料输送。可广泛应用于煤炭、冶金、电力、建材、化工、港口等行业的物料输送。  
Used in pipe conveyor for material conveying. Widely used in material conveying in mining, power, building material and chemical industry.

## 结构形成 Structure

- |        |                       |
|--------|-----------------------|
| 1-上覆盖胶 | 1.Top Rubber Cover    |
| 2-中间胶  | 2.Midder Rubber       |
| 3-下覆盖胶 | 3.Bottom Rubber Cover |
| 4-骨架层  | 4.Carcass             |



## 特点 Feature

1. 刚性适度成管与拐弯容易，有保持圆度稳定的能力。
  2. 带边柔顺搭接处密封良好，耐疲劳、耐磨、有稳定的承载能力。
  3. 实行封闭输送，物料无飞扬、洒落、不会影响环境。
  4. 可弯曲，大倾角，往返输送物送。
1. Suitable rigidity, flexibility, be keeping stable circle.
  2. Good sealing at connection point, fatigue resistant, abrasion resistant, stable conveying.
  3. Close conveying, no spillage, no dust.
  4. Bending, steep angle, reverse conveying.



## 环形输送带 Endless Conveyor Belt

我公司生产环形输送带带芯采用单条骨架织物缠绕成型，整体无接头。定型硫化出的环形带，带体两端周长尺寸标准，无喇叭口，皮带上机不跑偏。覆盖胶采用高强度耐磨橡胶配方，使用寿命长，带体厚度均匀，平面光滑、运行平稳，计量准确。  
Fabric: Twining, no joint. Rubber Cover: Abrasion Resistant Rubber Cover, Long-life.  
Endless Belt: Clean and Smooth Surface, Accurate Measurement.



## 应用 Application

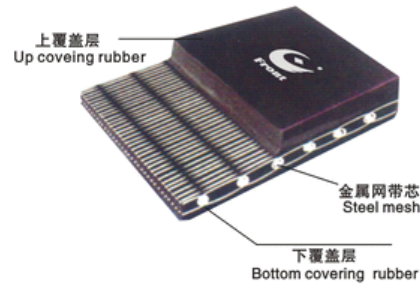
广泛用于冶金、水泥、铸造、化工等领域输送物料。可用作耐高温、耐灼烧输送带、抗撕裂输送带、耐酸碱油型输送带等。

Steel mesh cord belt is widely used in metallurgy, cement, casting, chemical industry, and could be used as heat resistant, fire resistant, tear resistant and acid oil resistant belt.

## 特点 Feature

带芯是金属螺旋网整体带芯，耐高温、耐灼烧、抗撕裂、拉伸强度高、伸长率小、具有良好的成型性、而且接头效率高，操作方便。

The carcass is steel network, the belt is heat-resistant, fire-resistant, tear-resistant, high tensile strength, low elongation, with good troughability, easy to make splice and operate.



## 规格系列 Specification

规格	Specification	SN400	SN630	SN800	SN1000	SN1125
纵向全厚度拉伸强度N/mm	Tensile strength	400	630	800	1000	1250
金属网带芯厚度mm	Thickness of network	5.5	5.5	7.0	8.0	9.0
推荐上覆盖层厚度mm	Top rubber thickness	6	8	9	10	10
推荐下覆盖层厚度mm	Bottom rubber thickness	3	3	3	3	3
覆盖层与带芯粘合力 (纵向试样平均值)	Viscosity between layers	常温				
		≥10N/mm				
10%定负荷纵向伸长率	Elongation at 10% load	160°C				
		≥4.0N/mm				
10%定负荷纵向伸长率	Elongation at 10% load	≤2%	≤2%	≤2%	≤2%	≤2%
胶带宽度mm	Belt width	300 - 800				

## 输送带表示方法 Style of making

耐高温型金属网芯输送带 Heat Resistant steel mesh cord conveyor belt	SN 630	800	(8+5.5+3)	100米
覆盖层性能 Performance of covering	带芯材质代号 Belt symbol	胶带强度 Tensile strength	带宽 Width	上覆盖层厚度 金属网带芯厚度 下覆盖层厚度 Thickness of up rubber, steel mesh and bottom rubber
				长度 Length

## 品种及执行标准: Type & Standard

按覆盖层性能可分为:耐烧灼型、耐高温型、耐酸碱油型等品种。

Covering Rubber Types: Fire Resistant, Heat Resistant, Acid & Oil Resistant.

## 覆盖胶的执行标准和主要指标:

品种	Type	标准及主要指标	Standard
耐酸碱油型	Acid & Oil Resistant	HZ/Q05-2009	
耐热耐高温型	Heat Resistant	HG/T 2297	
耐烧灼型	Fire Resistant	HZ/Q06-2009	

## 金属网芯输送带 m<sup>2</sup> 计量方法

$$m^2 = \text{带宽}m \times \left( \frac{\text{上覆盖层厚度}mm + \text{下覆盖层厚度}mm + \text{金属网带芯厚度}mm}{1mm} \right) \times \text{带长}m$$

## 金属网芯输送带质量计量方法

$$kg = [(\text{上覆盖层厚度}mm + \text{下覆盖层厚度}mm) \times \text{每毫米厚度胶料质量}kg/m^2 + \text{带芯质量}kg/m^2] \times \text{带宽}m \times \text{带长}m$$

## 应用 Application

覆盖带在输送散装物料的输送带上方，具有防雨、防雷、防污染作用，广泛应用于港口、建材、化工、粮食等行业。

Prevent rain, snow, wind and dust, widely used in harbor, building, chemical and grain etc. field.

覆盖带应用于物料装卸输送机、连续生产机械及其他物料装卸设备。

1. 由于采用了加强层，带体具有横向刚性。纵向带体柔软，可根据需要进行移动。

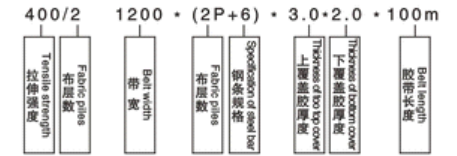
2. 可以保护物料不受尘土、风、雨及光照的影响。

Sealing belt is used as protection cover for unloading conveyer, reprocessing machine and other unloading material equipment.

1. Due to reinforced material, the belt is cross rigid and can withstand 100kgs weight man or object without deforming.

Longitudinal direction is soft and easy to be moved according to application needs.

2. It prevents materials to be conveyed from dust, wind rain and sunlight.



宽 Width(mm)	600	800	1000	1200	1400	1600	1800	2000
最大支点间距(mm) Max.pitch between fulcrums(mm)	400-500	650-700	800	1000	1200	1400	1600	1800
预埋金属层 Embedded plate	钢丝绳布 Steel Cord Fabric			方钢条 Steel Cable Square Bar				
覆盖胶材料 Material of cover rubber	黑色、防老化橡胶 Black, Weatherproof							
最小滚筒直径 Min.pulley dia.(mm)	300	300	300	400	400	400	400	500

## 过滤机胶带 Filtration Belt

多年来，公司为国内外众多客户设计并生产高质量的过滤机胶带并得到众多客户的赞誉及认可。公司拥有中国最宽的真空过滤机胶带生产线，过滤机胶带宽度可达4.5米，最大过滤面积可达500平方米。

We have designed and produced high quality filter belt for customers of both domestic and overseas market. We have filter belt production line whose maximum width can reach to 4.5 Mtrs, the belt capacity is 500 square meters at most.

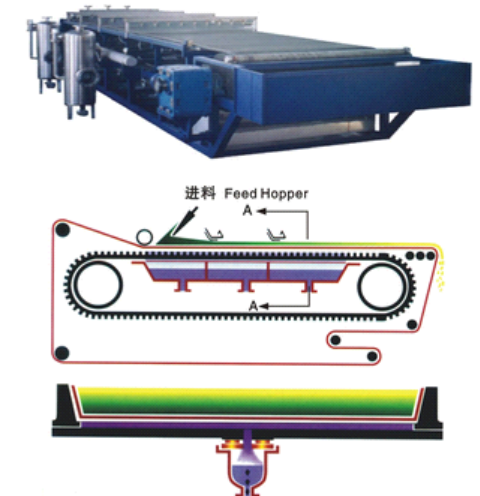
## 应用 Application

我司产品主要应用于石油、化工、医药、染料、食品、冶金、选矿、选煤、电力工业中的固液分离及工业、生活中的废水处理，如磷酸、氧化钾、硫酸钾、氧化铝、柠檬酸、硫酸钡的脱水以及电厂的尾气脱硫等。

Our filtration conveyor belt is applicable for solid-liquid separation in such industries as petroleum, chemistry, medicine, dyes, foodstuff, metallurgy, mine extraction and electricity generation. It can also be used in the treatment of industrial and civilian waste water such as dehydration of phosphoric acid, kali, potassium sulfate, alumina, citric acid and barium sulfate, as well as desulfurization in power stations.

## 特点 Feature

产品可实现连续过滤、洗涤、吸干，滤布再生：具有过滤率高，生产能力大，洗涤效果好、滤饼水分低，操作灵活等优点。The filtration conveyor belt can filter, wash, sorb, filtration and fabric rebirth continuously, and have the advantage of high filtration rate, high production capability, low washiness of filter cake and so on while operating easily.



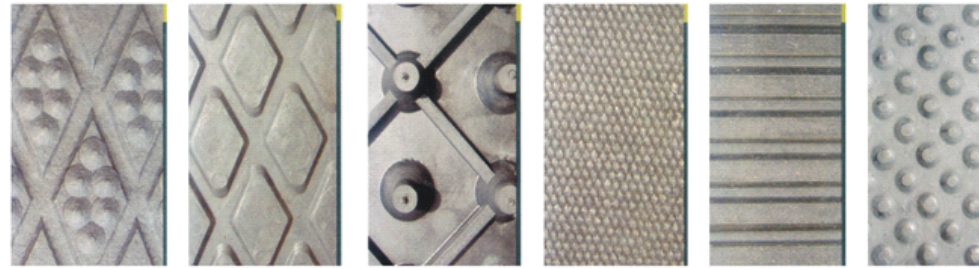
用途 Use

适用于工业铺设地面、冲制各种形状密封垫圈及铺盖设备等。  
Widely applied to industrial surfacing floors, making all kinds of sealing washers and other covering equipment.

出口胶板种类和基本性能表

The from of the kinds of the export rubber boards

类别	规格范围		基本性能			
	厚度 (mm)	宽度 (mm)	硬度 (邵尔 A)	拉伸强度 (Mpa)	伸长率 (%)	比重 (g/cm <sup>3</sup> )
普通胶板	1-50	914-1400	65±5	≥4.0	≥200	1.45±0.05
普通胶板	1-50	914-1400	50±5	≥3.0	≥250	1.45±0.05
普通胶板	1-50	914-1400	80±5	≥3.0	≥150	1.50±0.05
普通胶板	1-50	914-1400	60±5	≥5.0	≥250	1.45±0.05
普通胶板	1-50	914-1400	65±5	≥7.0	≥250	1.45±0.05
CR胶板	1-50	914-1400	65±5	≥7.0	≥250	1.70±0.05
Cr胶板	1-50	914-1400	55±5	≥4.0	≥300	1.55±0.05
EPDM胶板	1-50	914-1400	60±5	≥5.0	≥250	1.45±0.05
NBR胶板	1-50	914-1400	65±5	≥5.0	≥250	1.45±0.05
夹布胶板	3-20	914-1400	65±5	≥3.0	≥200	1.50±0.05
夹布胶板	3-20	914-1400	65±5	≥5.0	≥250	1.45±0.05



橡胶板厚度及宽度公差

The thickness and width tolerance of rubber boards

厚度 (mm)	公差 (mm)	宽度 (mm)	公差 (mm)	厚度 (mm)	公差 (mm)	宽度 (mm)	公差 (mm)
1.5	±0.20	914-1400	±20, -0	14	±0.90	914-1400	±20, -0
2.0	±0.30	914-1400	±20, -0	16	±1.00	914-1400	±20, -0
3.0	±0.35	914-1400	±20, -0	18	±1.20	914-1400	±20, -0
4.0	±0.40	914-1400	±20, -0	20	±1.35	914-1400	±20, -0
5.0	±0.45	914-1400	±20, -0	22	±1.80	914-1400	±20, -0
6.0	±0.50	914-1400	±20, -0	25	±2.30	914-1400	±20, -0
8.0	±0.55	914-1400	±20, -0	30	±2.60	914-1400	±20, -0
10	±0.60	914-1400	±20, -0	40	±2.90	914-1400	±20, -0
12	±0.80	914-1400	±20, -0	50	±3.30	914-1400	±20, -0

形式 Fromat

普通、耐油、耐热、耐酸碱、条纹胶板/布纹胶板执行 GB5574-94

Normal, oil-proof, heat proof, acid proof and alkali proof, striped weave or wove rubber boards GB5574-94



一次成型，一次硫化，坝袋整体无缝，气密性和安全性高；	It is formed and vulcanized in one time without overlap, which improves the airtight performance and safety factor;
既可充水又可充气，减少了季节交替对水坝的影响；	Water inflated or air inflated, can be used in freezing zone;
整体结构为书本状，水流通过背外向前流动，提高了坝袋的横向张力，减轻了坝袋的振动和溢水撞击；	Water flows through the bookend area, increasing the transverse tensile strength, reducing the rubber dam oscillation and impact of overflow water;
坍塌效果好，袋内水或空气可安全排净，坝袋可以完全落平，下游不容易存水；	Good effect on collapse, water or air seldom remains in the dam when collapsing, the dam can be deflated completely, with less water retention in the downriver;
书脊处等距离开槽，水在溢流状态下形成一道美丽的瀑布，景观效果较好；	The bookend rubber dam was cut into grooves in the bookend area in average distance forming up a beautiful waterfall when the water overflows, which is good sight;
安装时间短，多采用单锚固，底板基础建设成本低，锚固件只需传统橡胶坝的一半，且无需使用底垫片、垫平片；	Short time installation, commonly apply single anchor system, saving the foundation construction and half the anchor plates, and need no bottom cushion sheet and level up cushion sheet;
采用自动化充排系统，通过液位传感器和压力传感器传出的信号，自动调节坝体高度和充气压力，自动化程度高，方便后期管理；	Use the self-inflation/deflation system, control the height and air pressure of the rubber dam through the signal of the liquid level sensor and pressure sensor, high degree of automation, and can be easily managed;

Rubber oil containment booms 橡胶围油栏

固体浮子式橡胶围油栏是用于海洋或其它水域控制溢油扩散和转移必需的重要设备。广泛应用于开阔海域、海湾、港口、码头、河流、石油平台等水域的长期布放，也可在溢油应急行动中使。

The solid float rubber boom is an important device for preventing spilled oil on waters from diffusion and transfer. It is widely used for long-term deployment on waters of open seas, bays harbors, wharfs, rivers, oil platform, etc, or for emergent use in oil spill accidents.

充气式橡胶围油栏是应急遏制溢油事故、防止溢油扩散转移溢油得重要设备，广泛应用于开阔海域、海湾、码头、河流海洋石油平台和船舶抢险等溢油水域。

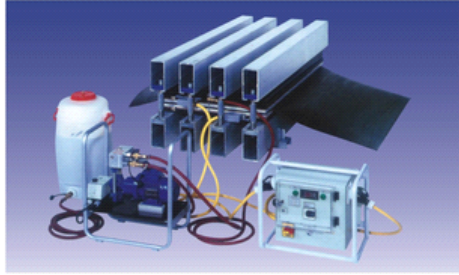
Inflatable rubber boom is manufactured in heavy duty neoprene rubber. The unique construction ensures complete cross vulcanization of the composite materials resulting in a finished product with high abrasion resistance, peel resistance and tensile strength.

项目	Item	JFW600	JFW800	JFW1000	JFW1200	JFW1400	JFW1600	JFW1800	JFW2000
总高度 (mm)	Overall Height (mm)	600	800	1000	1200	1400	1600	1800	2000
干舷 (mm)	Freeboard (mm)	210	280	340	400	460	520	590	660
吃水 (mm)	Draft (mm)	280	360	480	600	700	810	900	1000
标准节长 (m)	Standard Section Length (m)	20, 15, 10							
浮子直径 (mm)	Float Diameter (mm)	200	280	315	360	420	480	540	600
浮子个数/20m	Float Numbers/20m	22	14	12	12	12	12	12	12
重量 (kg/m)	Weight (kg/m)	5.0	6.8	9.2	12	13	14	15	16
浮重比	Buoyancy to Weight Ratio	3.4	5.8	5.7	5.5	6.9	8.3	9.8	11.3
配置投力链 (mm)	Ballast Chain (mm)	φ10	φ10	φ14	φ16	φ16	φ18	φ18	φ18
栏体抗拉强度 (KN)	Max. Tensile Strength Across boom Wall (KN)	240	320	400	480	560	640	720	800
工作负荷 (链条) (KN)	Operation Load (KN)	100	100	220	300	300	380	380	380
工作温度 (°C)	Operation Temp Range (°C)	-30~+60							
储存温度 (°C)	Store Temp Range (°C)	-30~+60							
最大抗浪高 (m)	Efficient in Wave up to (m)	1.5	2	2	2.5	3	3	3	3.5
最大抗风速 (m/s)	Survival Condition (m/s)	10	15	15	20	20	20	20	25
最大抗流速 (Kn)	Stable in Current up to (Kn)	1.5	2	2.5	3	3	3	3	3-4
最大直线拖曳速度 (Kn)	Max. Speed of Line Towing (Kn)	8							
最大弧线拖曳速度 (Kn)	Max. Speed of Arc Towing (Kn)	3							
两端快速接头形式	Type of Connection	gemel style, hook style							

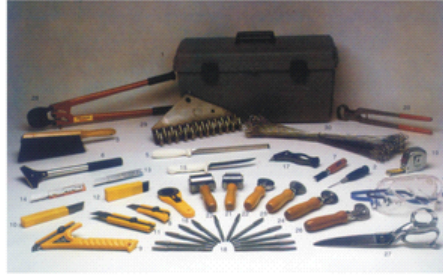
我们公司拥有专业的维修售后服务团队，数年来，在全国各个行业与客户建立起了密切的服务联系，参与了国内许多大型的工程服务，积累了极为丰富的经验。我们的维修服务涵盖产品的规划、安装、调试和培训等方面，根据客户的实际情况提供建议和设计方案，为客户量身定制维修与服务。

Our company own the professional service & maintenance team. For years, we established kind relationship with many customers in each field and we accumulated much belt maintenance experience. Our work contains belt designing, installation, commissioning, and training. We work out the solution according to customers' practical situation and tailor-make the service and maintenance program.

### 一、完善的服务设备 Perfect Equipment for Service



进口电热式硫化机



专业工具箱

### 二、各种输送带接头服务 Splicing service for all kinds of belt

钢丝绳芯输送带接头工艺图示：  
Steel cord belt splicing technology diagrammatic presentation

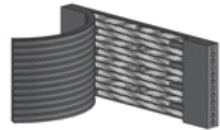
一级接头结构示意图及数据  
One stair splicing introduction

带强度规格 Gurtyp	ST630	ST830	ST1000	ST1250
最小阶梯长度 Mindeststufenlänge	250	300	300	350
接头长度LV Verbindungsänge	350	400	600	650



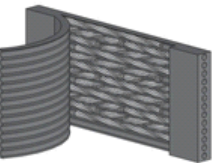
二级接头结构示意图及数据  
One stair splicing introduction

带强度规格 Gurtyp	ST1600	ST2000	ST2500	ST3150
最小阶梯长度 Mindeststufenlänge	350	400	500	560
接头长度LV Verbindungsänge	1050	1150	1350	1650



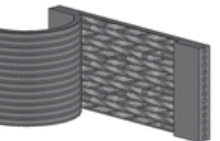
三级接头结构示意图及数据  
One stair splicing introduction

带强度规格 Gurtyp	ST3500	ST4000	ST4500
最小阶梯长度 Mindeststufenlänge	650	750	800



四级接头结构示意图及数据  
One stair splicing introduction

带强度规格 Gurtyp	ST5000	ST5400
最小阶梯长度 Mindeststufenlänge	900	1000
接头长度LV Verbindungsänge	4050	4450

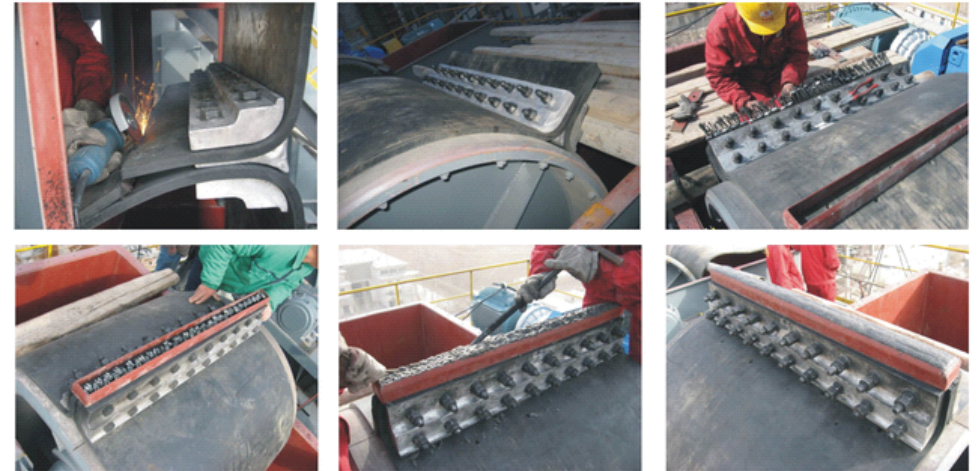


### 三、挡边输送带维修服务 Sidewall belt maintenance

我公司是国内专业的挡边输送带生产厂家，同时也是专业的挡边输送带维修厂家，拥有各种维修所需的齐全模具与专业工具，在给客户供货的同时及时保养与维修，争取最大化延长输送带的使用寿命，取得了用户一致好评。

We are professional manufacturer of sidewall conveyor belt and also supply the professional maintenance service. We have a skilled technician team and own full set of maintaining devices and equipments. Our work make the belt life longer to maximization and get high reputation from customers.

### 四、高效斗式提升机安装服务 High-efficiency bucket elevator installation service



### 五、冷粘维修服务 Cold bond maintenance service



表面处理  
Surface preparation

涂刷硫化剂  
Coating

填充胶料  
Application of T2 compound

终处理打磨  
Finishing buffing

### 六、各种输送带指导安装服务：Guide Services of all kinds of belt installation

公司拥有一支经验丰富的技术人员队伍，可为各行业进行各种输送带的指导与安装，为客户保证在最短的时间安全可靠的进行安装，节约时间，保障客户最大效益。

Our company own a practiced technician team and can supply guide and installation services for all industries in using conveyor belt. The safety and efficient service make the installation reliable and save much time for customers.

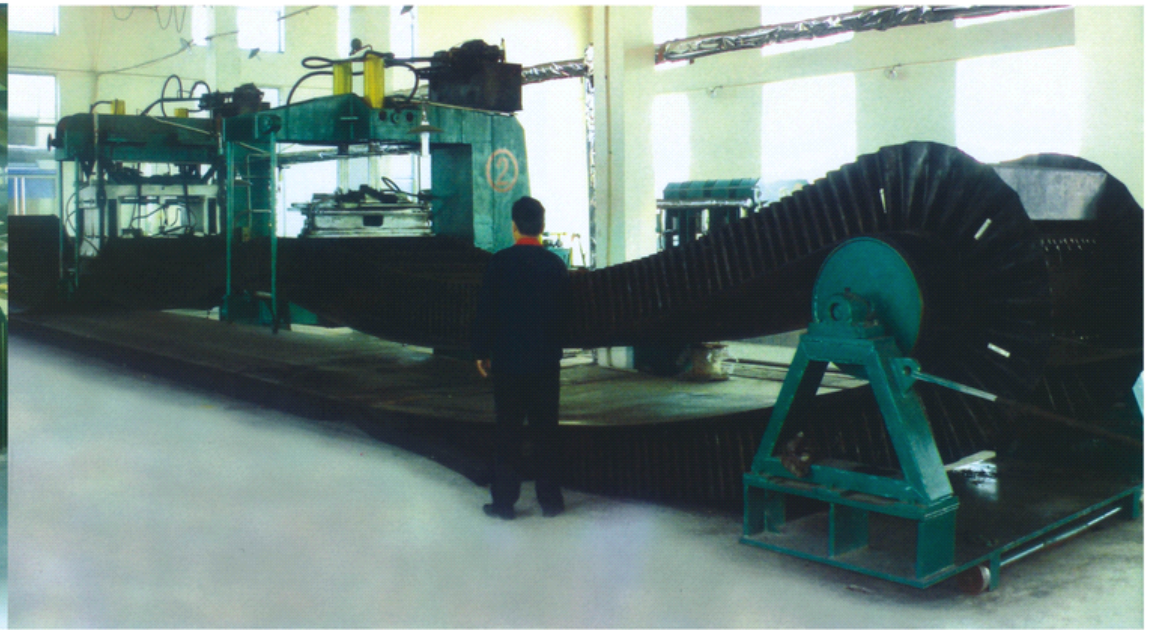
### 七、服务承诺：After-sales Service

竭诚为顾客提供质量稳定的产品和满意的服务；  
向顾客提供《产品样本》和产品相关技术资料；  
向顾客介绍合理的产品类型、规格、型号；  
提供安装、接头技术服务；  
提供接头材料和胶接技术；  
为顾客培训接头人员；  
接受顾客来电、来函、来访；  
产品实行：“三包”、代办托运；  
我们保证为顾客产品质量负责到底。

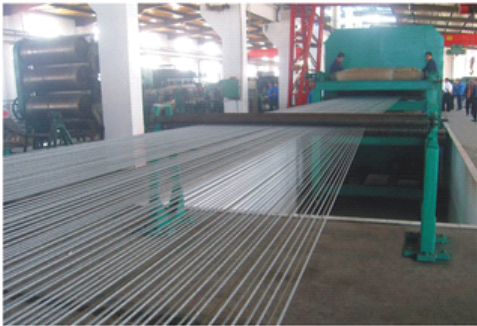
Provide qualified products and satisfy service for our clients.  
Supply Product Catalogues and relative technology data for our clients.  
Introduce rational product type, specification to our clients.  
Offer installment, joint technology service.  
Offer joint materials and splicing instructions  
Train splicing worker for clients.  
The products practice "Three Guarantee" and necessary assistance concerning transportation.  
We guarantee our products quality,  
We guarantee to be responsible for the quality of our product to the end.



B2700mm×11m 大型钢丝绳输送带平板硫化生产线



国内最大波状挡边输送带生产线 (宽: 2400mm 挡板高: ES630mm)



钢丝绳芯输送带生产线



平板硫化生产线



大型高精度压延机



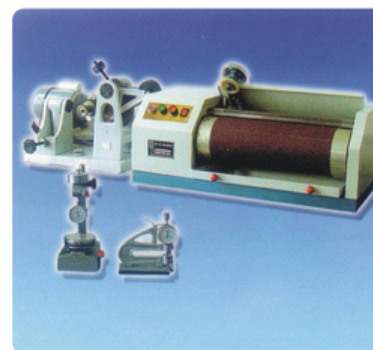
大型自动密炼系统



钢丝绳芯胶带动态粘合强度试验机



钢丝绳芯胶带动态粘合强度试验机



滚筒磨损试验机



老化试验箱



输送带酒精喷灯燃烧性能试验箱



巷道丙烷燃烧性能试验装置



电子拉力试验机



橡胶拉力试验机



输送带滚筒摩擦试验机



钢丝绳芯胶带渗透性试验机



耐臭氧试验机



无转子硫化仪