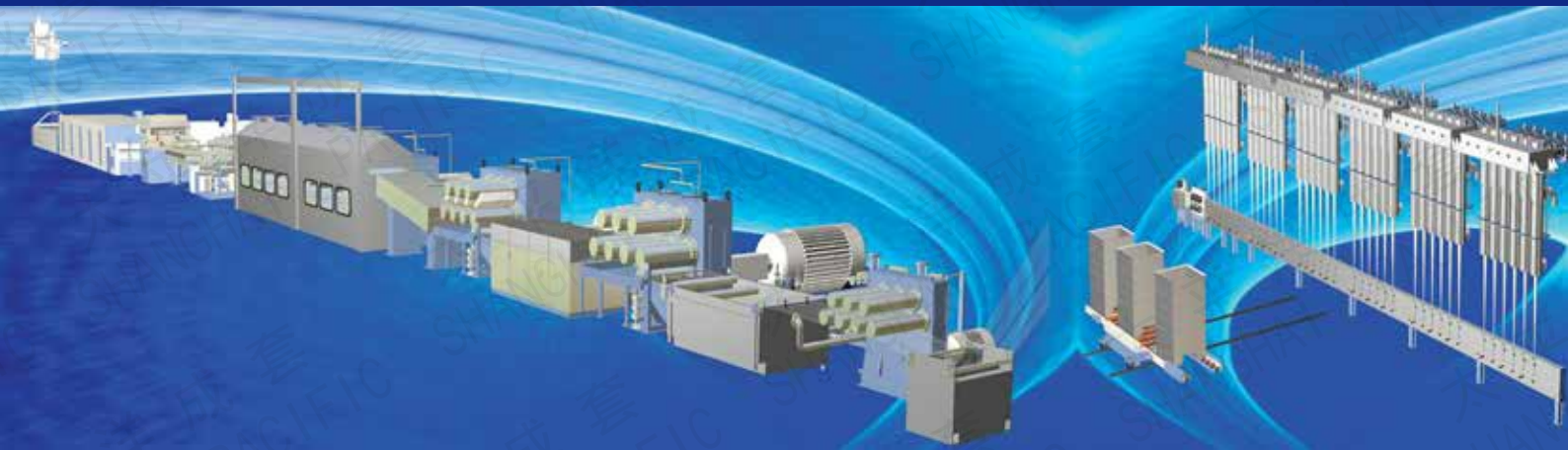




**太平洋成套**  
PACIFIC COMPLETE



# 聚乳酸长丝束成套设备

COMPLETE POLYLACTIC ACID FIBER TOW LINE



**上海太平洋二纺机化纤成套设备有限公司**  
SHANGHAI PACIFIC ERFANGJI SYNTHETIC FIBRE COMPLETE EQUIPMENT CO.,LTD.

# 聚乳酸长丝束成套设备

COMPLETE POLYLACTIC ACID FIBER TOW LINE



本公司专业从事以化纤设备为主的纺织机电工程项目,是中国纺织机械行业化纤短纤维成套设备产品研发中心,拥有多项国家发明专利。公司集产品开发设计、工程设计、工艺设计、制造加工、工程施工、安装调试开车为一体,实行工程总承包,实现成套设备交钥匙工程。同时,还提供各类纺织机械和配件的生产、销售。公司将不断开拓创新,为振兴上海纺机工业,服务国内外新老客户做出新的贡献。

Our company specialize in project of textile electrical and mechanical engineering mainly for chemical fiber equipment.

We are chemical staple fiber complete equipment R & D Center in China textile mechanical industry with multiple national invention patent. We handle key project from product exploration, engineering design, project design, process, manufacture, check on and install service to pro-operating with EPC contract for turnkey project . Meanwhile, we also supply all sorts of textile machinery and fittings. We will keep on innovating to make contribution to the revitalization of textile machinery industry in Shanghai and for serving new and old customers at home and abroad.

- ▶ 工艺设计 Processing design
- ▶ 设备安装、制造、投料试车 Installation, Start up
- ▶ 质量考核 Performance test



# 聚乳酸长丝束纺丝联合机

Polylactic acid fiber tow spinning line

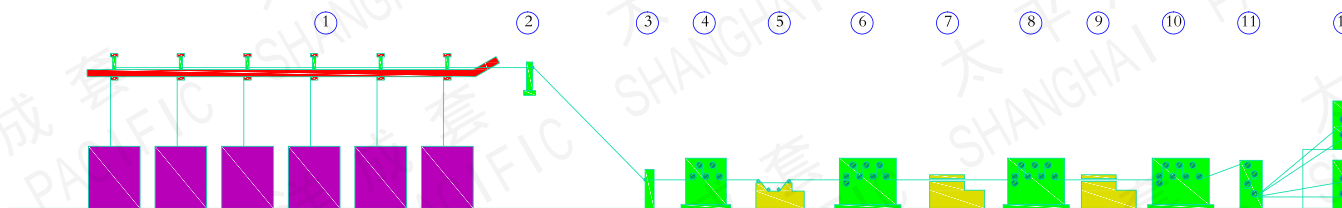
在人类进入21世纪后,随着世界经济的高速增长,人和自然的矛盾越来越突出,走循环经济和可持续发展道路是人类生存的必由之路。因此我们开发了适用于天然可降解聚乳酸(PLA)纤维丝束的成套设备。PLA材料因其绿色、环保、天然可降解的属性越来越受到各行业的青睐。

After humankind entering into 21 century along with high speed growth of economy worldwide there appears more and more contradictions between mankind and nature, which lead to a destined way in economy growth of recycling economy and sustainable development for mankind existing. Therefore, we provide the advanced complete equipment suitable for natural biodegradable polylactic acid (PLA) fiber tow. PLA material is increasingly favored by various industries due to its green, environment friendly, and naturally biodegradable properties.

## 主要设备 Main Units of Spinning Line

- |         |                       |
|---------|-----------------------|
| ■ 螺杆挤出机 | ■ Extruder            |
| ■ 纺丝机   | ■ Spinning machine    |
| ■ 卷绕机   | ■ Take-up machine     |
| ■ 丝桶往复机 | ■ Can traverse device |

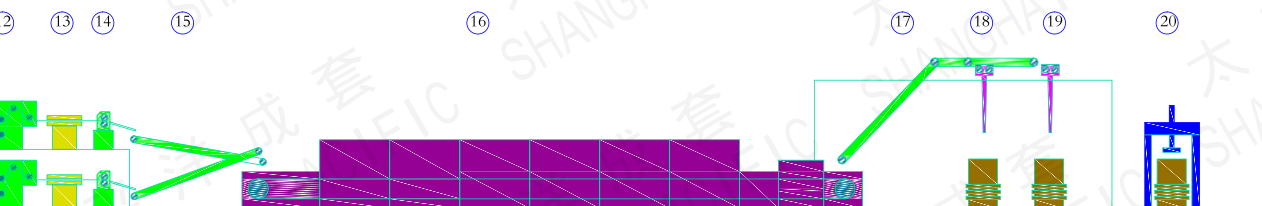
## 关键设备 Key machine



# 牵伸联合机主要组成单元

## Main Units Of Drawing Line

- |          |                          |
|----------|--------------------------|
| 1.集束架    | 1.Can-type creel         |
| 2.上导丝架   | 2.Top guide creel        |
| 3.下导丝架   | 3.Bottom guide creel     |
| 4.导丝机    | 4.Tow guide stand        |
| 5.浸油槽    | 5.Immersion bath         |
| 6.第一牵伸机  | 6.Draw stand 1           |
| 7.水浴牵伸槽  | 7.Draw chest1            |
| 8.第二牵伸机  | 8.Draw stand 2           |
| 9.水浴牵伸槽  | 9.Draw chest2            |
| 10.第三牵伸机 | 10.Draw stand 3          |
| 11.上油机   | 11.Oiling device         |
| 12.叠丝机   | 12.Stacker               |
| 13.蒸汽预热箱 | 13.Steam pre-heater      |
| 14.卷曲机   | 14.Crimper               |
| 15.输送机   | 15.Tow convey machine    |
| 16.烘干机   | 16.Dryer                 |
| 17.输送机   | 17.Tow convey machine    |
| 18.摆丝机   | 18.Tow spreading device  |
| 19.落桶装置  | 19.Tow collection device |
| 20.打包机   | 20.Baler                 |



# 产品品种

Type of product fiber

A 聚乳酸长丝束 1.33 dtex-16.67 dtex

Polylactic acid fiber tow

B PLA/coPLA复合长丝束 1.33dtex-16.67 dtex

Composite PLA/coPLA fibre tow.

C 有色、异形长丝束

Color fiber tow、Shaped fiber tow. 1.33dtex-16.67 dtex





# 产品品种

## Type of product fiber


项目 Item		单位 Unit	数据 specifications		
纺丝 联合机 Spinning line	适纺线密度 Spun linear density	tex	PLA For filter 2.22-8.89	PLA/coPLA For filter 2.22-8.89	PLA For textile 1.33-16.67
	成品丝日产量 Daily output of fiber	t	5-10	5-10	10-30
	纺丝位数 No.of spinning positions	位 position	8	8	6-12
	纺丝位距 Spinning positions gauge	Mm	650	650	650
	喷丝板直径 Diameter of spinneret	Mm	280	220	280
	喷丝板孔数 No.of holes on spinneret	孔 hole	根据品种 Based on product type		
	纺丝速度 Spinning speed	m/min	500-1300	500-1300	500-1300
	纺丝泵规格 Specification of spinning pump	ml/r	15-40	15-40	70
牵伸 联合机 Drawing line	单丝束旦数 Single tow denier	10 <sup>4</sup> dtex	4	4	25-100
	丝束数量 No. Of Tows	pcs	8-12	8-12	2
	总牵伸旦数 Total drawing denier	10 <sup>4</sup> dtex	32-48	32-48	50-200
	机械速度 Design speed	m/min	100-200	100-200	100-200
	工艺速度 Processing speed	m/min	120-160	120-160	120-160
	每台卷曲轮宽度 Each crimper roller width	Mm	20-32	20-32	50-100
	传动方式 Driving type		多单元传动 Multi-units driving		
	包重 Bale weight	Kg/bale	200-300	200-300	200-300

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