

An aerial night photograph of a city skyline. The scene is dominated by light trails from traffic on a multi-level highway interchange in the foreground and middle ground. Several skyscrapers are illuminated, with one prominent cylindrical building on the right featuring a glowing golden dome and blue horizontal light bands. The sky is a deep twilight blue with some light clouds. The overall atmosphere is one of a bustling, modern urban environment.

Brief Introduction to Spunmelt Production Line Project



Brief Introduction of China High-Tech Group Corporation

CHINA TEXMATECH CO., LTD.



Introduction of CHTC

- Established in Sep. 1998, China High-Tech Group Corporation is a state-owned enterprise with textile machinery as its core business.
- High-Tech Group currently owns a total asset of 58 billion RMB, with 23 subsidiaries, 14 overseas companies and over 60,000 employees, as well as 6 companies listed either domestic or overseas.

58 Billion

Total Asset

23

subsidiaries

14

Overseas Companies

60000

Employees

6

Listed Companies



Introduction of CHTC

CHTC in Textile Machinery

- The core business of CHTC
- No.1 in the textile machinery supplier in China
- World's top supplier of textile machinery in terms of product variety and complete equipment capacity.
- Main products:
cotton textile whole process equipment, synthetic fiber complete equipment, printing and dyeing ccomplete equipment, non-woven cloth complete equipment and textile machinery special parts





Introduction of CHTC

Major company in Textile Machinery



Jingwei Textile Machinery Co., Ltd.



Autefa Solutions



CHTC Heavy Industry Co., Ltd



Fong's Industries Company Limited



Introduction of CHTC



Location of the Branches





Distribution





The Professional Supplier of Whole Line Project

(EPC Project & Turnkey Project)

Recipe for Winning in the Market



Turnkey

Help customers to start from scratch to a running factory.



Real Whole-Line

All main equipments are made by CHTC

Best Parts & Material

Use the best parts & materials in the industry

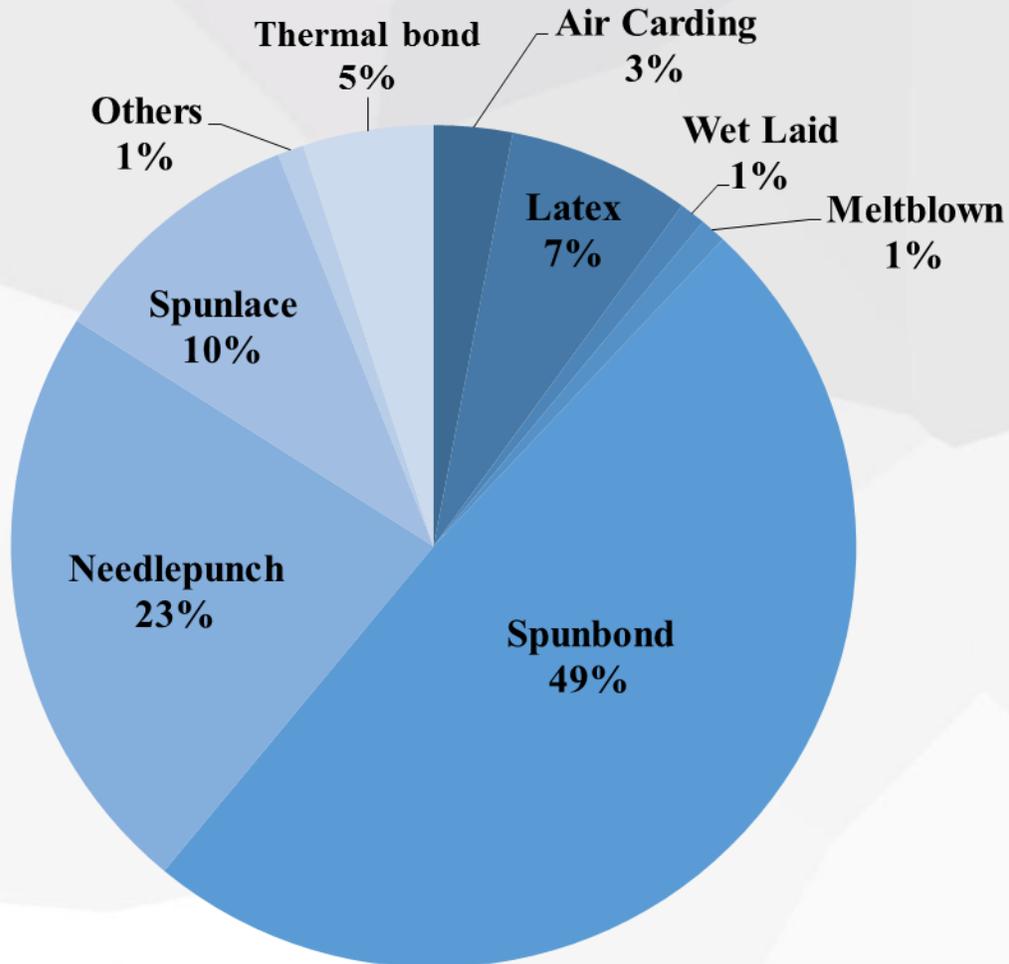


Brief Introduction of Spunmelt Nonwoven Production Line

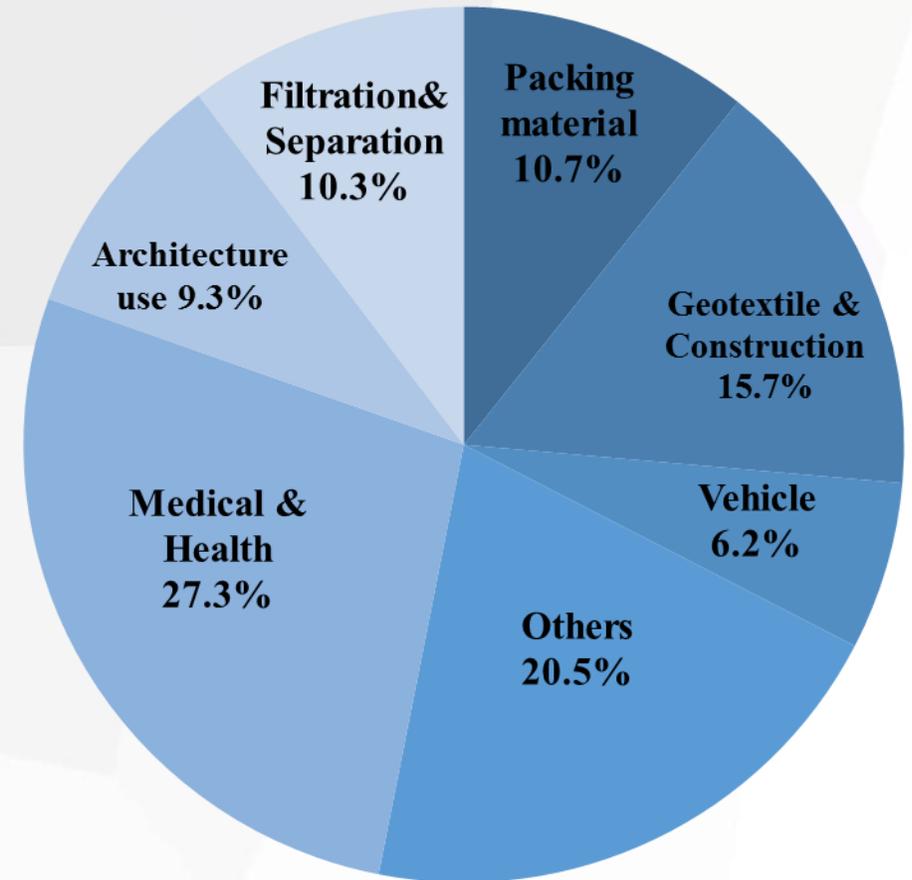
Nonwoven Market Analysis



Nonwoven Methods



Nonwoven Final Production Analysis



Spunmelt Nonwoven Production Line



The Main Applications of Spunmelt Products



Bag/lining

Shopping bags

Household products

Nonwoven cover for agriculture & landscape



Hygiene

Baby diaper

Adult diaper

Sanitary towel



Healthcare

Surgical drapes

Sterilization wrap

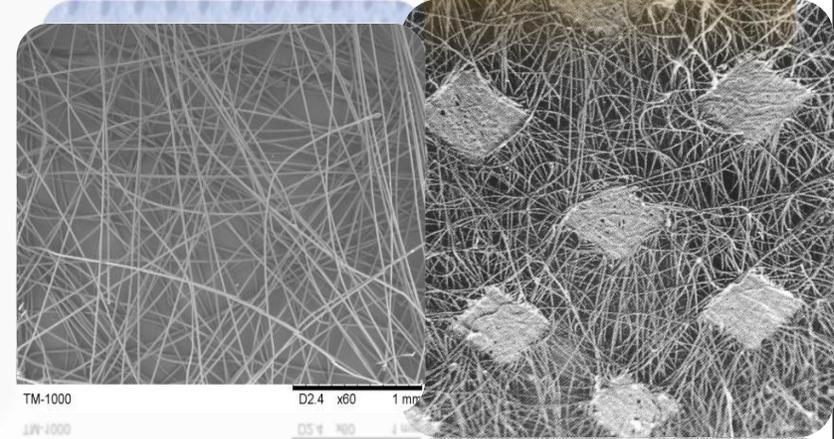
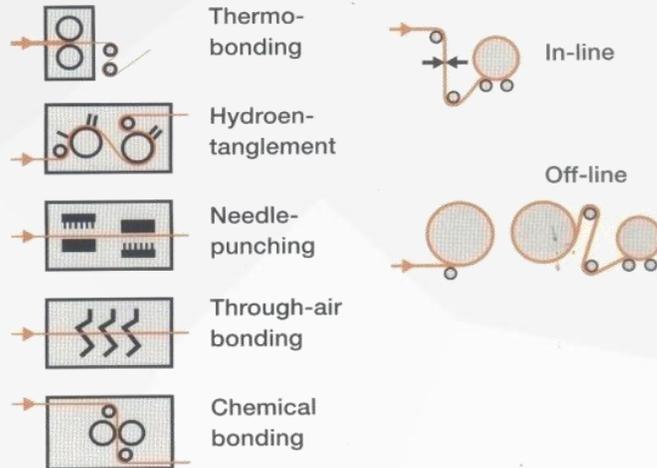
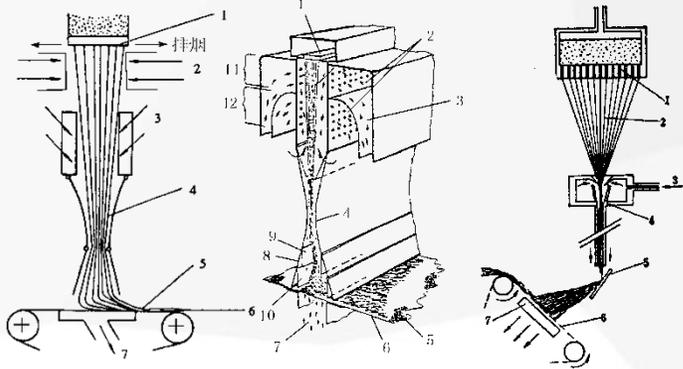
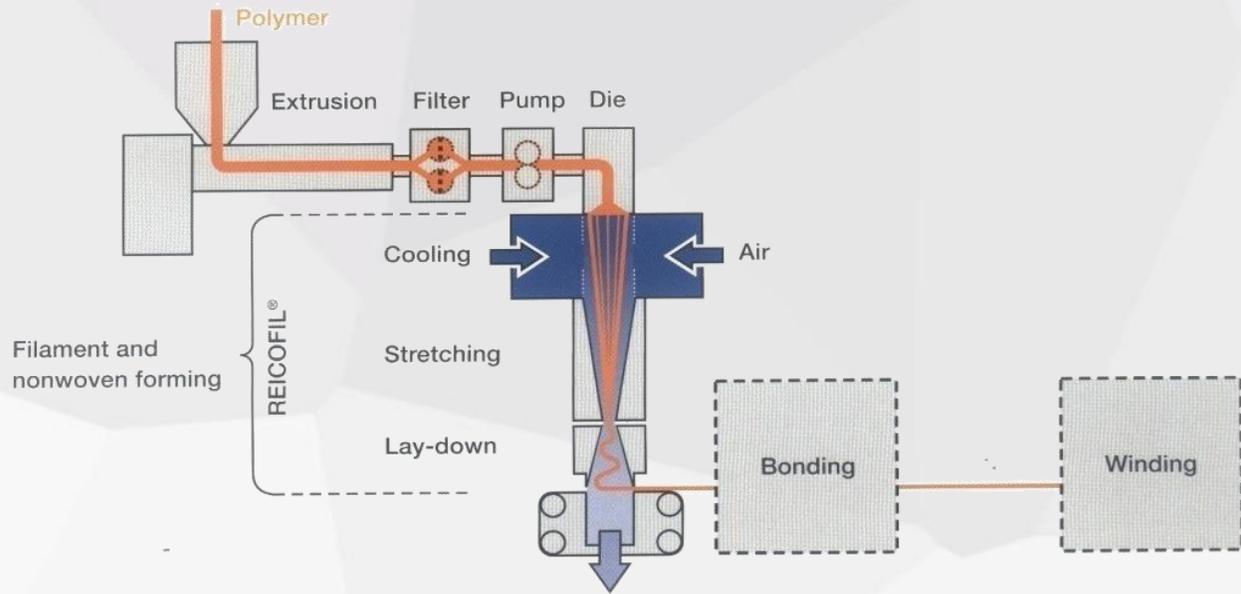
Surgery kits&packs

Surgical gowns

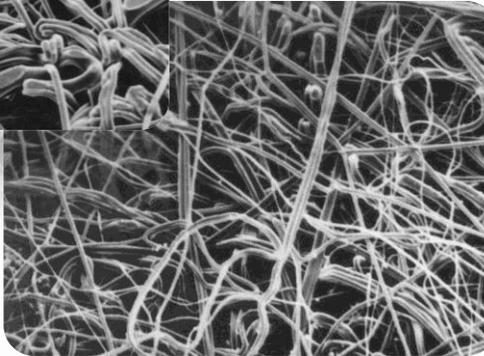
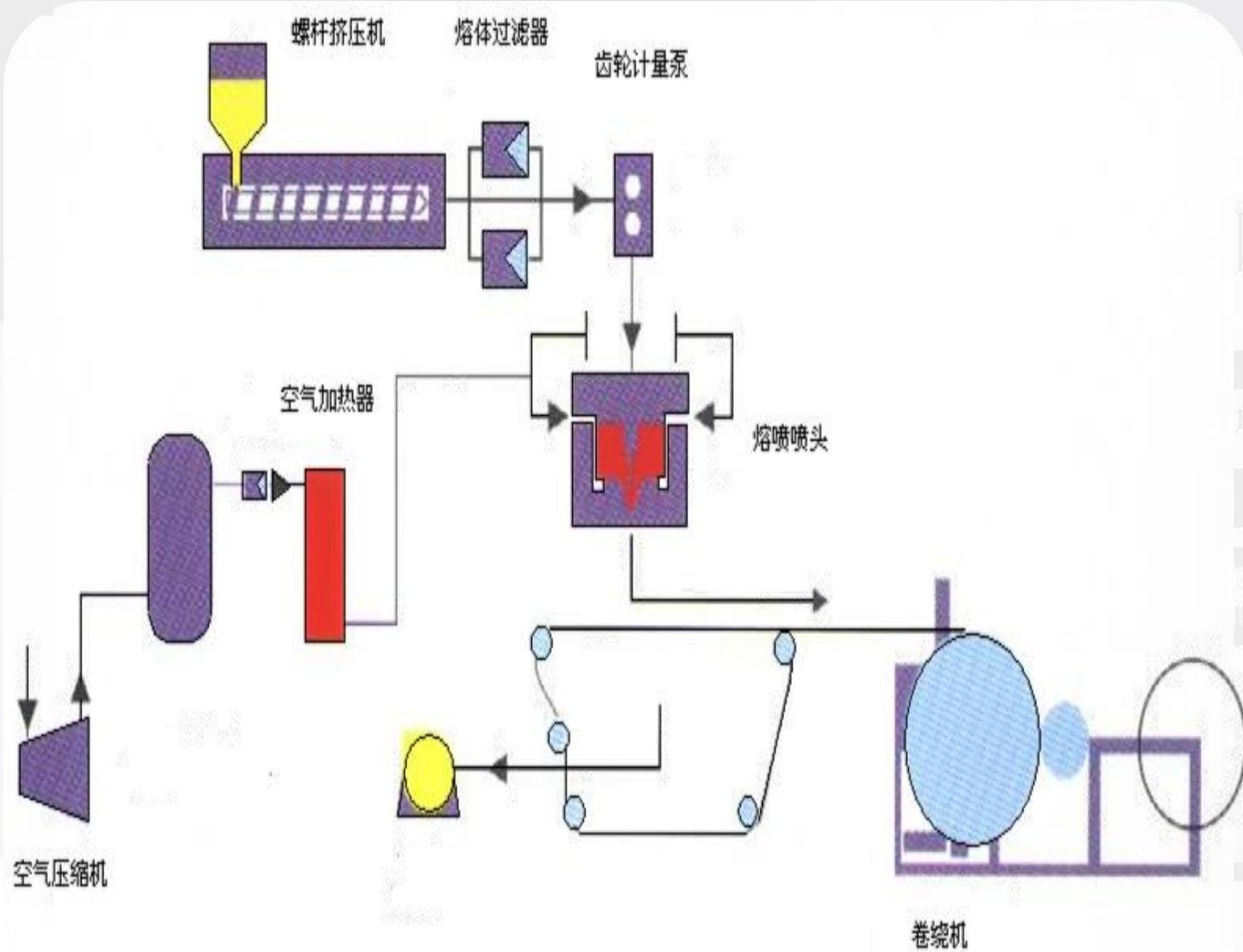
Medical material

Equipment plastic covers

Spunbond Process



Meltblown Process



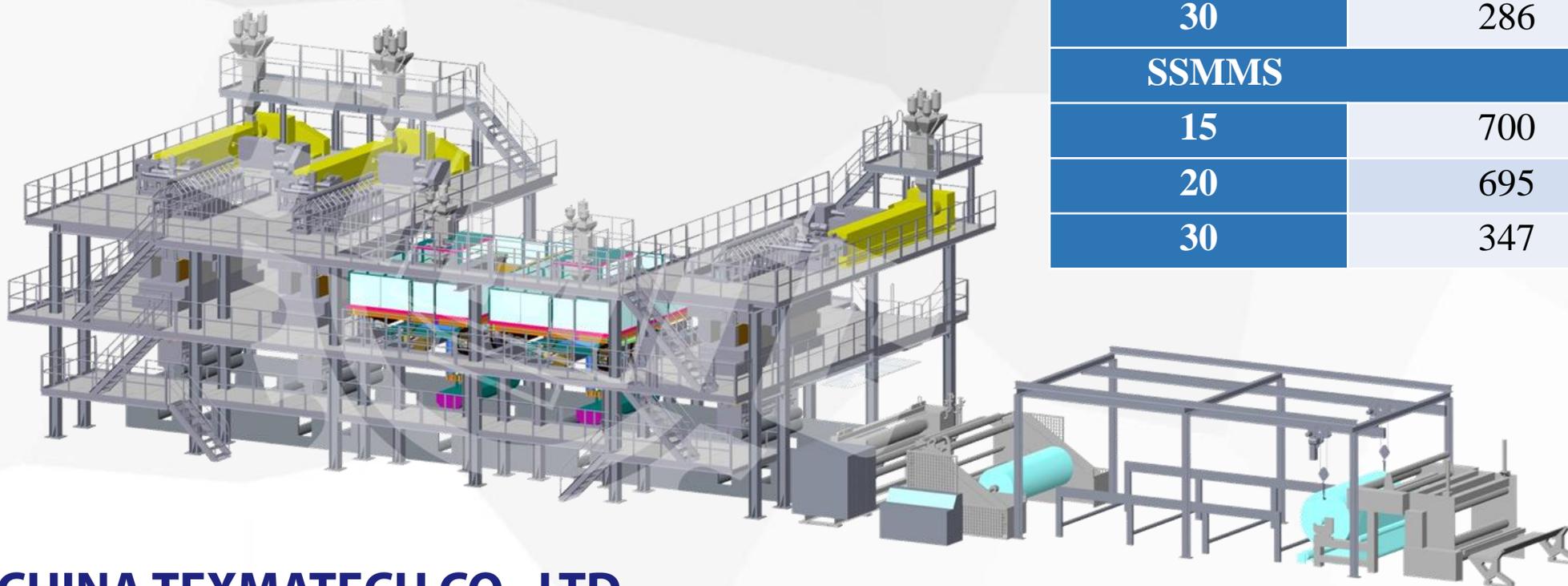


Reference of throughput of 3.2 SSMMS

SSMMS

Five-Beam Spunmelt Nonwoven Line

Max.Process Speed : 720m/min

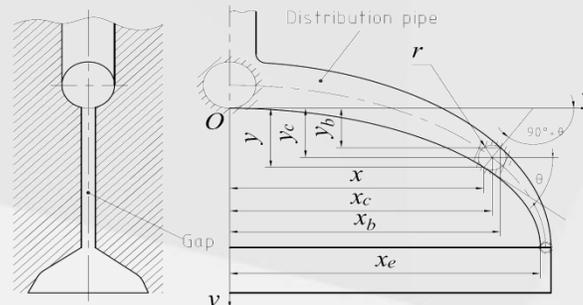


Weight(g/m ²)	Speed(m/min)	Throughput(kg/h)
SSS		
13	660	1650
15	570	1650
30	286	1650
SSMMS		
15	700	1475
20	695	2000
30	347	2000

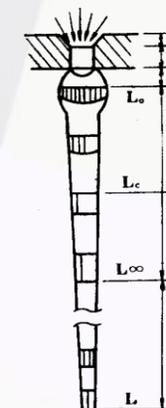
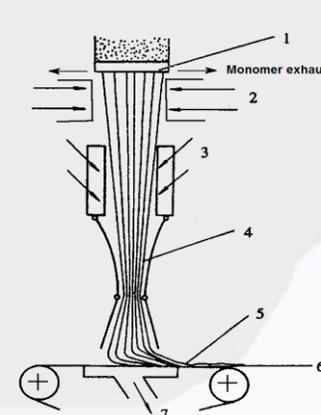
The advance of CHTC equipment



Special Design and Manufacture for Spin Beam



Design of Melt Spinning

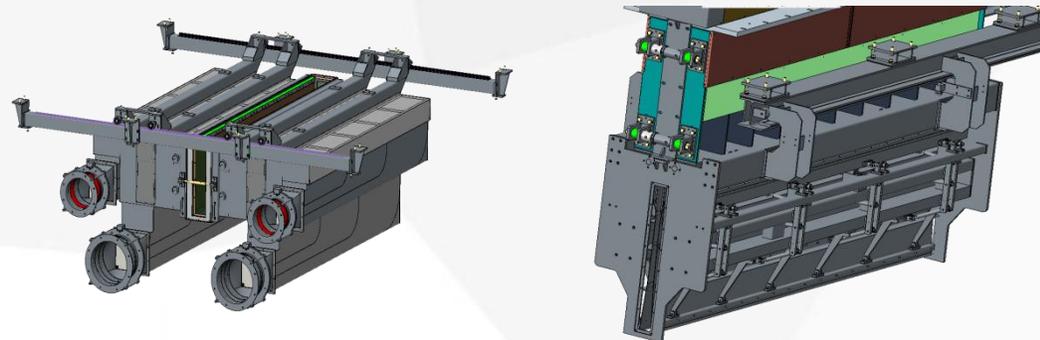


1. Inlet period
2. Flowing period
3. Expanding period
4. Forming period
5. Stabling period

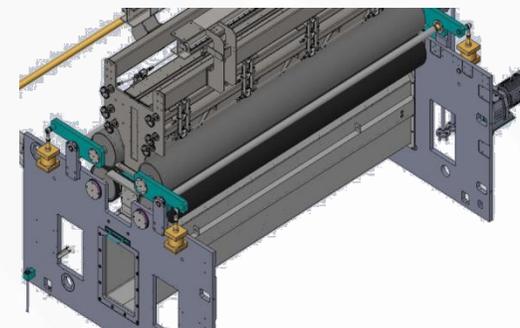
L_∞ : Concrete point



Quenching Chamber & Stretching Channel & Diffuser



Conveyor

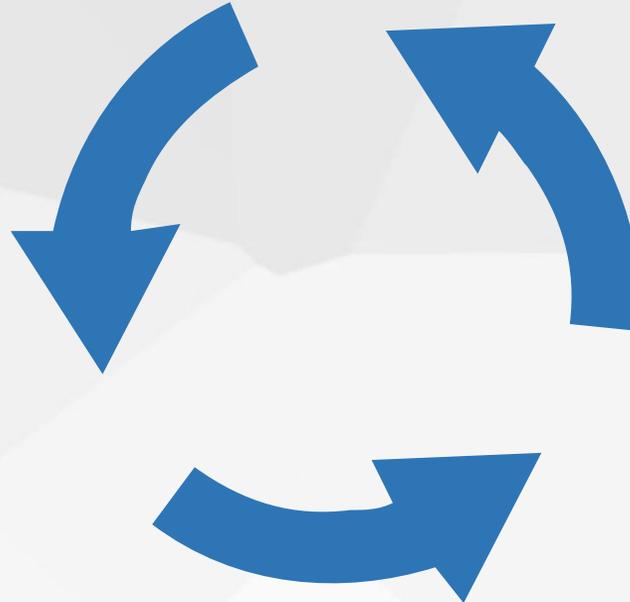


The advance of CHTC equipment



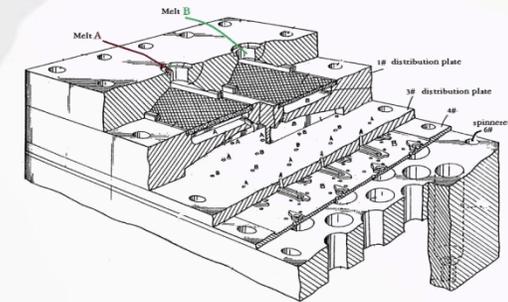
New design on meltblown technology

- ❑ Special design of spin beam suit to higher MFI index PP chips raw material.
- ❑ Patent technology to get uniform stretching hot air even in over 300 m/S air flow speed
- ❑ Low pressure stretching technology
- ❑ New designed spinneret for easy to quickly install

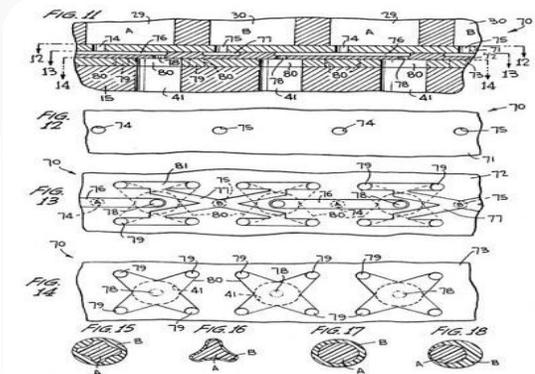


New design on bi-co spunbond technology

- ❑ Bi-co spinbeam melt flow illustration drawing



- ❑ Sheath-core bi-co die illustration drawing

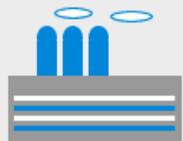


Partnership with famous brand



No.	Item	Manufacturer
1	Meter pump	MAAG Switzerland
2	Temperature sensor	JUMO Germany
3	Pressure sensor after filter	DYNISCO Germany
4	Temperature control module	TAIDA China
5	Motor of extruder	Siemens China
6	Conveyor motor reducer	SEW Germany
7	Bearing of conveyor roll	SKF Sweden
8	Refrigeration unit	Carrier America
9	Air condition unit	China
10	SB spinneret, MB die pack&spin beam	Enka Germany
11	Air blower	TONGYONG China
12	Melt filter	China
13	Calender	Andritz Germany
14	Slitter/Winder	China/A Celli-Italy
15	Inverter	Siemens Germany

Professional Design



- Design the reasonable and customized machine arrangement whatever for customers' existing workshop or new building



- Calculate the total installation power after the beginning of design and also recommend customer the suitable transformer capacity



- Full set of drawing according to the process step



- Utilities



现场安装服务记录及交接单
Machine Hand-over And Performance Delivery Sheet

Document Ver: v2.1 Document Date: 2017.9.XX

合同号 (Contract No.)	2016-XXX	安装日期 Erection Period	2017.X.XX2 -- 2017.X.IXX
客户名称 (Customer Name)	XXXXXXXXXXXXXXXXXXXXXXXXXX.A.S.		
公司地址 (Company Address)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
工厂地址 (Factory Address)			
安装设备 (Machine Erected)	一套3.5M水刺无纺布生产线设备 One Set of 3.5M Nonwoven Spunlace Production Line Equipment		

安装团队 (Engineer Team)	指导安装时间 (Staying Time)			满意度/备注 (Satisfaction/Remark)
人员名单 (Name List)	出发 (Arriving)	返回 (Return)	时间 (Days)	
1 Mr. Wang Huanuo	2017/3/13	2017/4/13	32	
2 Mr. Hu Wei	2017/3/13	2017/4/17	36	
3 Mr. Wen Zhang	2017/3/13	2017/5/17	66	
4 Mr. Tian Habin	2017/3/13	2017/5/17	66	
5 Miss. Wang Xiaoyu	2017/3/13	2017/5/17	66	
6 Mr. Li Feng	2017/3/13	2017/5/27	76	
7 Mr. Ma Zhenning	2017/4/10	2017/7/9	91	
Total: 433				

主设备到货及开箱检验记录 (Record of arrived goods & inspection)	
包装 Packing:	<input type="checkbox"/> 好 good <input type="checkbox"/> 破损 broken(enclose table if any)
装箱 Encasement:	<input type="checkbox"/> 好 good <input type="checkbox"/> 缺件 Part missing (enclose table if any)
零件加工质量 Parts quality:	<input type="checkbox"/> 好 good <input type="checkbox"/> 差 bad (enclose detail info if any)
详细信息(如有)Details Info(if any):	

备件开箱清点/验收/移交记录 (Record of Hand-over of spare parts)	
装箱 Encasement:	<input type="checkbox"/> 好 all right <input type="checkbox"/> 缺件 missing (enclose table if any)
移交情况 Hand-over:	<input type="checkbox"/> 已移交 Yes <input type="checkbox"/> 没有 No

ERECTION SUPERVISION AGREEMENT

Date:

This Agreement is made by and between the following two Parties

(the captioned Contract's Seller, hereinafter referred to as Party A,

and

(The captioned Contract's Buyer, hereinafter referred to as Party B,

Whereby Party A, at the invitation of Party B, has accepted the contract called the "EST") to the mill site of Party B.

Article I. Qualification and Charges

Item	Qualification
1	Mechanical Engineers
2	Electronic Engineers
3	Coordinator (English language skills)

EST team payment of allowance afforded by Party B shall be US\$ 30.00 - per day per person by cash;
Air tickets: Party B shall provide prepaid air ticket in P. R. China and SITE.
Boarding & Lodging: Party B shall provide boarding and lodging charge for entire durations of erection

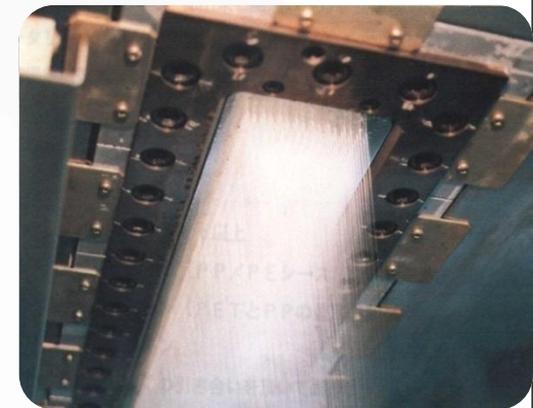
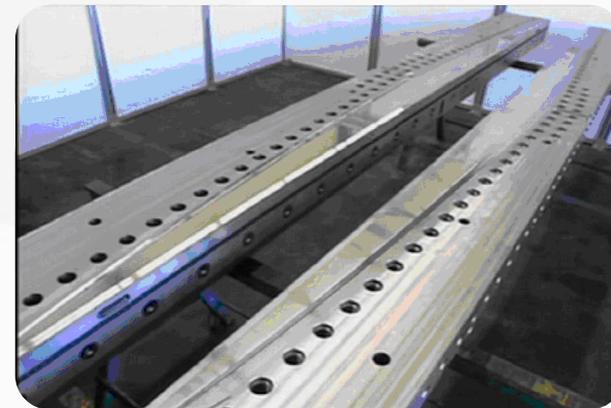
Installation, commissioning and running schedule

(open box inspection check)OBI :	1	2	3	4	5	6	7	8	9	10	11	12
mechanical installation												
1 centering on the ground for each unit and prepare foundation	2											
2 Open box inspection check		2										
3 Put units into position			1	1	1	1						
4 MH591A-250 Squeezer			1	1	1	1						
5 CJFY2002-250 printing machine			1	1	1	1						
6 MH602Z-250 Cylinder dryer			1	1	1	1	2	2	2	2	2	2
7 W2728-250(2) Rotary screen dryer			1	1	1	1	2	2	2	2	2	2
8 W2801C Auto -winder			1	1	1	1						
electrical												
9 Open box inspection check										1		
10 wiring for each unit										1	1	
11 soft program commission												1
12 connect with the whole line in phase												
Test running												
13 Unit test running and start-up												
14 whole line testing without material												
15 mechanical and electrical training 2 days.												
16 whole line running products												
manpower requirement	2	2	5	5	5	5	4	4	4	6	5	5



Specification of the Production Line

- Long time Unbroken production cycle, no broken filament and dropping melt appeared
- More fine filament, normally lower than 1.8 denier
- Better webbing style of fabric, comfortable handle and better softness
- Lower MD/CD direction strength ratio





CHINA TEXMATECH CO., LTD.



Thanks

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CHINA TEXMATECH CO., LTD.