

MAIN PRODUCTS

NEEDLE PUNCHING M/C
CROSS LAPPER M/C
HOPPER FEEDER & CARDING M/C
C.B.F.(COMPRESSIVE BATT FEEDER)
MAIN BALE PRE OPENER
CONVEYOR FEEDER
MIXING TANK / DRYER M/C / AIR LAY
HEATING ROLLER M/C
CROSS AND SIDE CUTTING & WINDING M/C
VELOUR NEEDLE LOOM

· Since 1982 ·



Registered ISO 14001:2004
Registered ISO 9001:2008



Venture for
Tomorrow

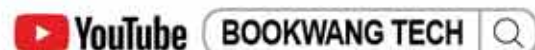
无纺布机械 Non Woven Systems



HEAD OFFICE 总部

韩国庆尚北道漆谷郡枝川面新洞路5街85
85, Sindong-ro 5-gil, Jicheon-myeon, Chilgok-gun,
Gyeongsangbuk-do, 39864 Rep. of KOREA
TEL : +82-54-974-3333 FAX : +82-54-974-3330
E-mail : bktec@bktec.co.kr

www.bktec.co.kr/eng



副广TECH
BOOKWANG TECH CO.

www.bktec.co.kr

Feel the Quality of Bookwang brand **Nonwoven Machinery, Korea**

"Quality creates value"

www.bktec.co.kr

Greetings

1982年副广 建立以来是国内最早的非织造布机械生产企业，致力于新产品开发和国产化。
我们在非织造布机械系统一直是先驱者。
公司创立于1982年，当时非织造布是一种新概念，只有一些国家和特定行业得到承认。
我们是专门从事针冲压生产线及其他与非织造布相关机器的厂家。
我们所有的职员与世界化和信息化同步，通过不断的研究开发，在非织造布行业内，
为提高机械供应的竞争力与高增值化努力。

代表 李鍾學

It is my great pleasure to introduce you our company.

I would like to express you our sincere gratitude for the support and encouragement that you have given to us.

We are a pioneer in the nonwoven machinery systems established in the year 1982 when the concept of Nonwoven was still new and being accepted only in few countries and limited industries. We are specialising in the needle punching lines and other nonwoven applications.

We, Bookwang, are confident of becoming and industry leader for the new era by always developing highly efficient products.

We hope we shall be able to serve you better quality of machinery in the near future.

President Jonghak Lee



Company History

1982. 3 建立富琳机器(非织造布机械专门生产) Launched burim machinery specializing in nonwoven fabrics machines

1989. 5 高速开发 Needle punching M/C (oil box type) Developed high-speed, oil box type needle punching machine

1992. 3 高速开发 Cross layer M/C Developed high-speed cross layer machine

2003. 3 改名为副广 Changed the company name into Bookwang Tech co.

10 认证 ISO-9001/14001 Earned ISO-9001/14001 certificate

2005. 3 开发汽车室内装修的 Double punching M/C Developed car interior double punching M/C

2005. 6 开发汽车室内装修的 Double punching M/C 印度出口 Exported double punching M/C to India

2007. 3 开发高丝绒针刺法机械 Developed velour needle punching M/C

2010. 3 汽车室内装修线向乌兹别克斯坦出口 Exported Automotive Interior line to Uzbekistan

12 设立专门的研发部门 研究所 Exclusive Research Development Department

2011. 4 认证MAIN-BIZ MAIN-BIZ Certification

3 认证风险企业 Venture Enterprise Certification

2012. 2 认证CE CE Certification

10 汽车室内装修线向印度出口 Exported Automotive Interior line to India

2013. 12 推进公司附属 研究所 Promoted to a research & development center

2014. 3 印度过滤器线出口 Exported filter line to India

2015. 2 向乌兹别克斯坦出口起绒毛毡 Exported Velour Line to Uzbekistan

12 向泰国出口汽车内饰材料系列 Exported Automotive Interior Line to Thailand

2016. 6 向印度出口汽车内饰材料系列 Exported Automotive Interior Line to India

2017. 9 向孟加拉国出口针刺机 Needle Punching Machine exported to Bangladesh

11 向伊朗出口成型机140"x6,800mm CROSS LAPPER 140"x6,800mm M/C exported to Iran

2018. 8 向日本出口汽车系列针刺机 Exported Automotive Interior line needle punching machine to Japan

2019. 11 向印度出口汽车内饰材料针刺系列 Exported Automotive Interior line to India

2021. 12 销售3900mm针刺系列(韩国国内) Installed 3,900mm needle punching Line to Korea

MAIN PRODUCTS & INDEX 主要产品 & 索引



8 DOUBLE DOWN NEEDLE PUNCHING M/C
BNOD-OR,UR2800



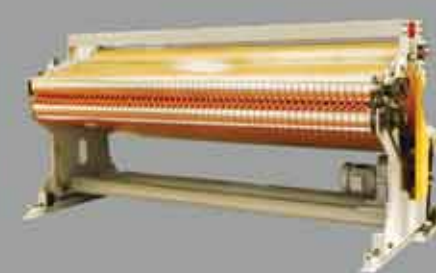
14 DOUBLE UP NEEDLE PUNCHING M/C
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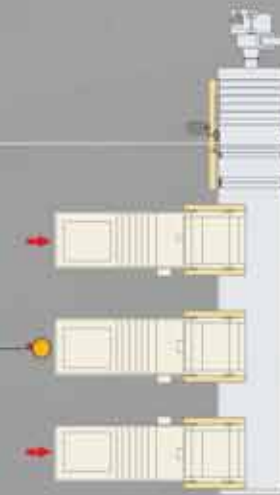
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EUIPMENTS 设备照片



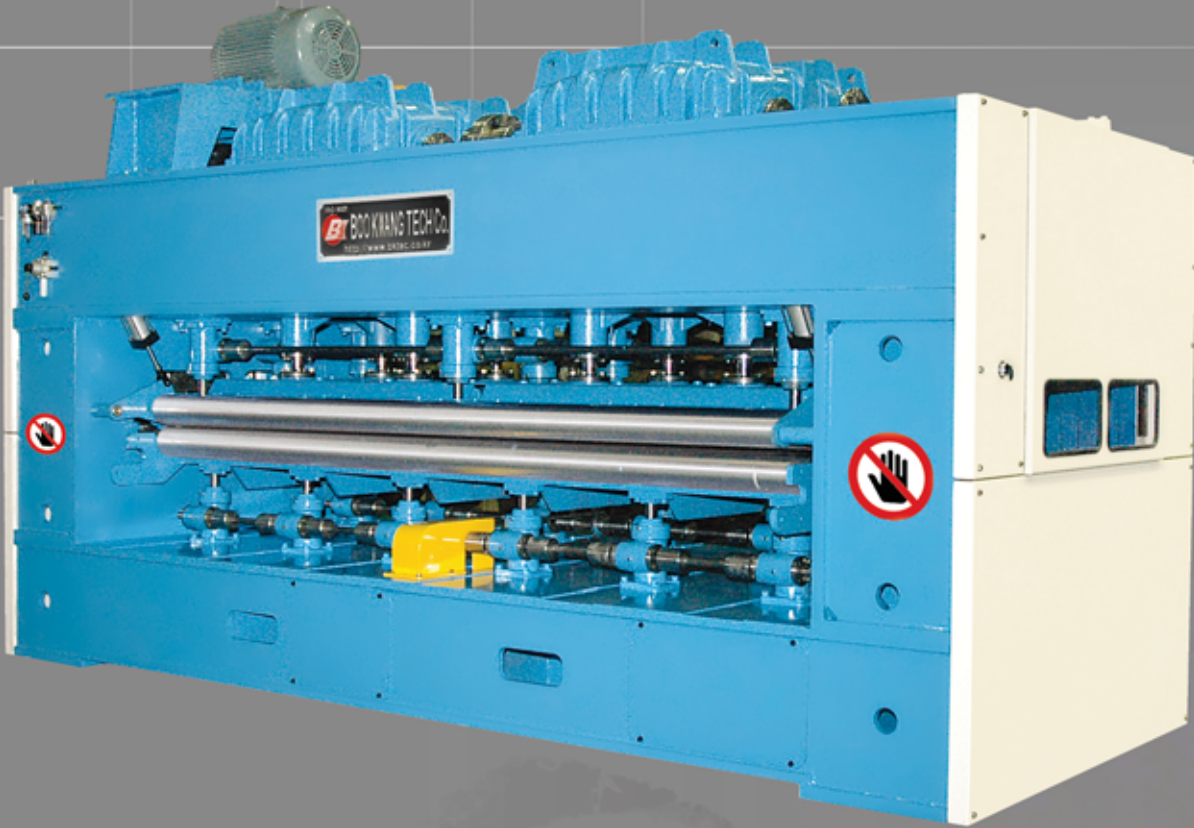
地毯系列 CARPET LINE



汽车内饰材料 AUTOMOTIVE INTERIOR LINE

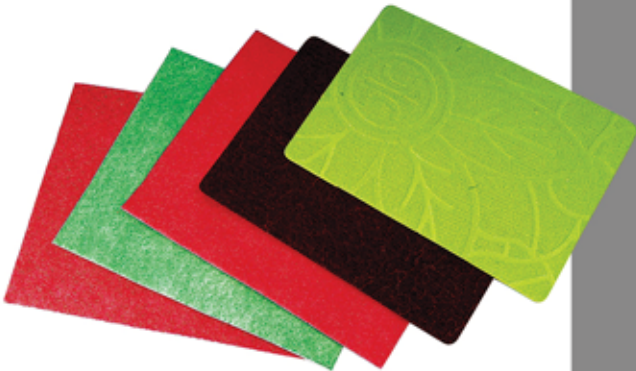
DOUBLE DOWN NEEDLE PUNCHING M/C

BNOD-OR,UR 2800



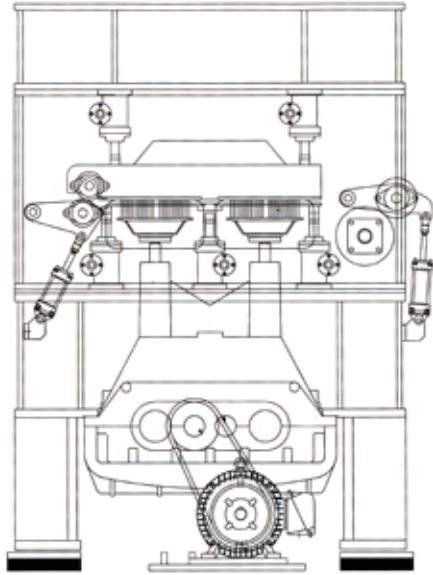
特点 / Features

- 两个配件装在一起可以提高产品密度。
- 主要的齿轮箱是由特殊材料的齿轮组成，可以减少噪音增加速度。
- 两个旋转轴方向相反可以使噪音最小化，并且高精密的工作。
- Two sets of machines mounted on one body frame to increase product density.
- Special material gears of main gear box induce low noise and high speed rotation.
- Two shafts rotate reverse direction to minimize vibration and high density production.

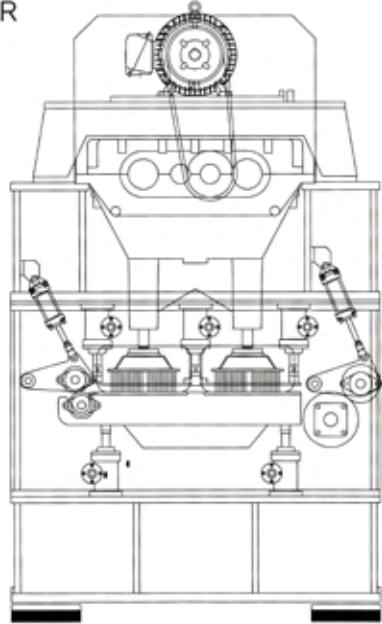


设计 / Lay Out

Double Up
BNOD-OR



Double Down
BNOD-UR



规格 / Specification

工作宽度 (Working width)	划法 (Stroke)	RPM	针数 (No of needles)
2,800~4,500mm	30mm	1,400	12,000 / 15,000 EA/m ²
所需电力 Electric power	Inverter 30KW -1Set, Inverter 1.5KW -1Set, Inverter 0.75KW -1Set Motor 30Kw -1Set, G/M 1.5KW -1Set, G/M 0.75KW -2Set, G/M 0.75KW -1Set Oil Pump 0.75KW -2Set, Oil Pump 0.2KW -2Set (2800mm为标准谢绝/ Standard Specifications for 2800)		
主要生产产品 Main products	人造皮革, 汽车室内装饰, 地毯, 地面材料, 土工布 For geotextile, embedding materials for automobiles, clothes, carpets, padding, synthetic leather.		

■本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

CROSS LAPPER M/C

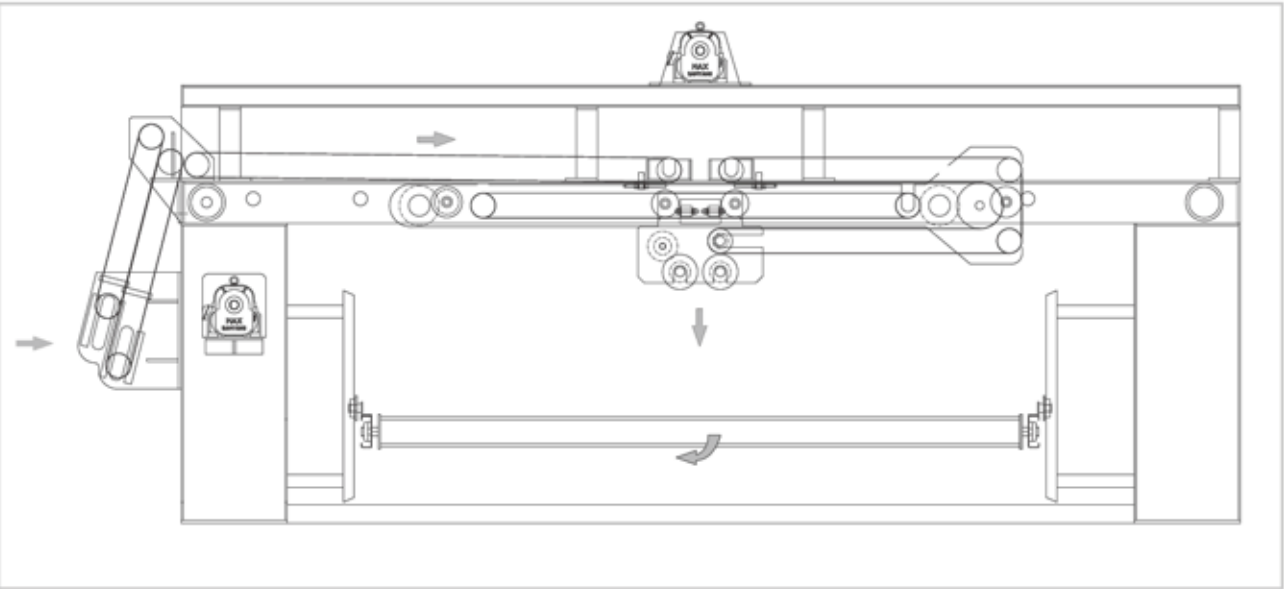
BKCL-2800 & 4500



特点 / Features

- 框架增强后的模型是不稳定的即使在高速摆动中。
- 防静电传输带可以有效的防止机器高速摆动。
- 底部传送器采用制动电机，提高了工作效率。
- No shaking of machine during high speed swing operation, due to its reinforced frames.
- Accurate swing performance helps to produce uniformity thickness and width of products.
- The conveyor contains anti-static electricity belt which is light and precise.
- It also shows great performance during high speed swing.
- By using a brake motor, bottom conveyor moves vertically for boosting working convenience.

设计 / Lay Out



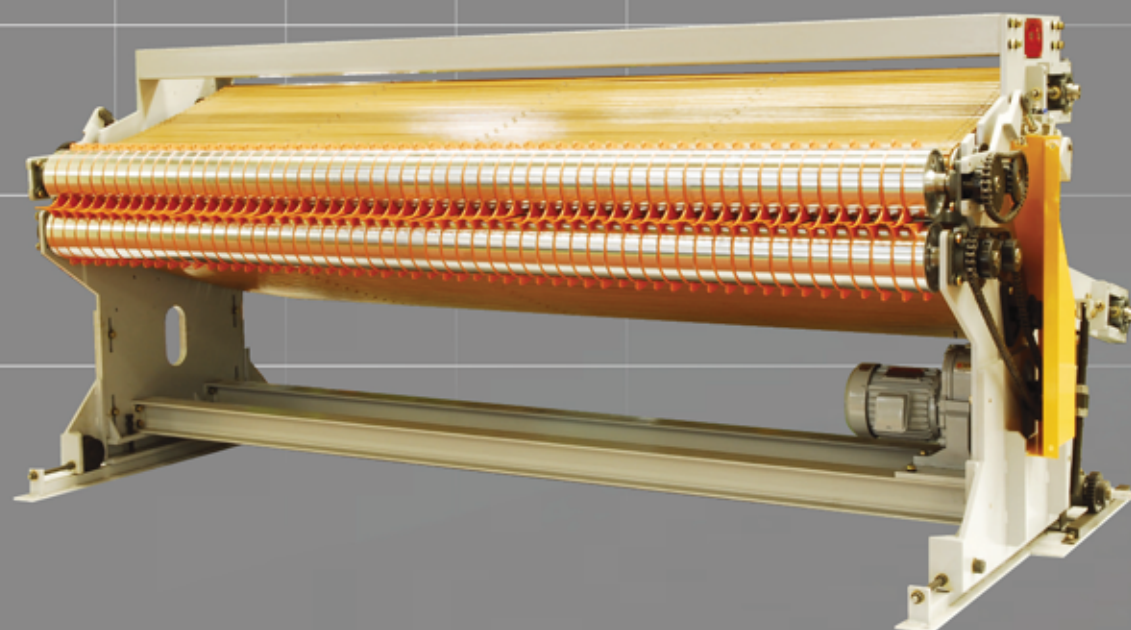
规格 / Specification

工作宽度 (Working width)	速度 (Speed)	所需电力 (Electric power)
80" × 2,800 mm	60M/Min	1.5KW-3Set, 2.2KW-1Set, B/K 0.75KW-2Set
100" & 80" × 4,500 mm	70M/Min	1.5KW-3Set, 3.75KW-1Set, B/K 1.5KW-2Set
100" & 80" × 6,000 mm	80M/Min	2.2KW-3Set, 5.5KW-1Set, B/K 1.5KW-2Set
100" & 80" × 8,000 mm	80M/Min	2.2KW-3Set, 5.5KW-1Set, B/K 1.5KW-2Set
主要生产品 Main products	土工布, 汽车室内装饰, 衣服类, 地毯, 棉裤, 毛毡 等。 For geotextile, embedding materials for automobiles, clothes, carpets, padding, felt.	

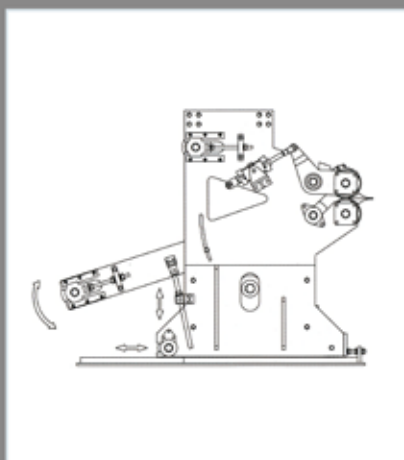
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C.B.F. (COMPRESSIVE BATT FEEDER)

BKBF-2800



设计 / Lay Out



特点 / Features


- 厚的网通过成型的工艺在预先冲孔处生成一个备份。设备压缩防止备份，并且被提供到冲孔机的入口处。
- Slip phenomenon occurs at the entrance of a pre-punching device during thick web production. To prevent this slipping of thick web, this machine compresses web and easily supplies to the entrance of the punching machine.

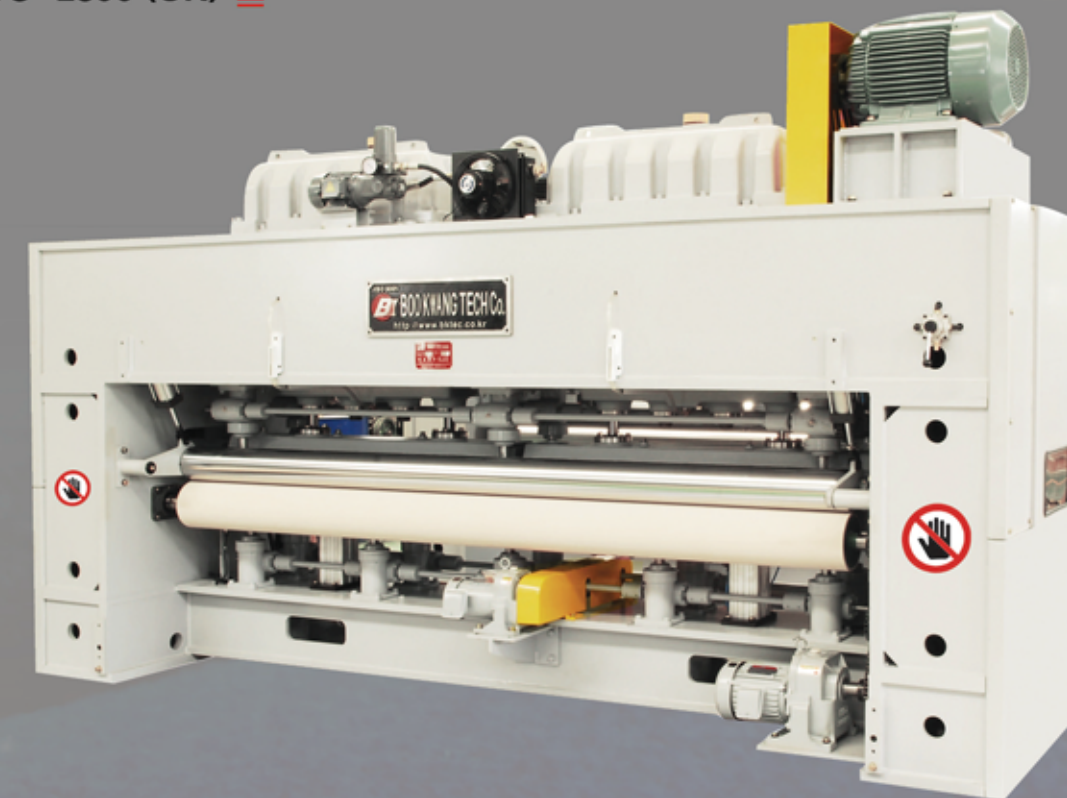
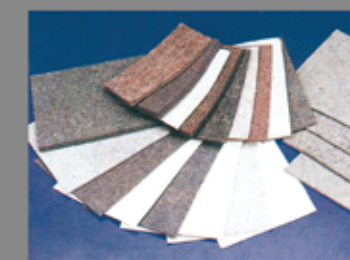
规格 / Specification

模型 (Model)	BKBF 2800
长度 (Length(mm))	1672
宽度 (Width(mm))	3160
高度 (Height(mm))	1362
所需电力 (Power(KW))	4PX1.5KW - 1Set
重量 (Weight)	約 1.5TON

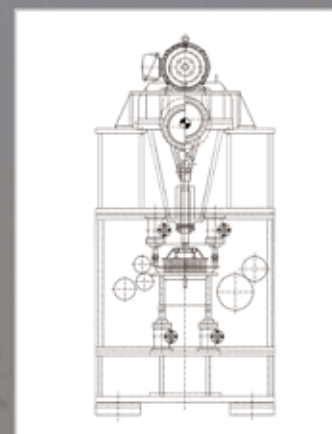
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PRE NEEDLE PUNCHING M/C

BNOS-2800 (UR) 



设计 / Lay Out



特点 / Features

- 这种新机种适合生产加厚的产品。随着冷油器附件，本机在油箱的一定水平上保持油温度，减少金属的膨胀。
- 由专业技术制造的油箱可以减少活塞磨损，提高长时间操作量。
- This is a newly developed machine suitable for thick fabric production. The oil cooler helps to maintain temperature level of oil which is produced inside of oil boxes. This cooling operation minimizes metal expansion from heat generation.
- Due to its special technology of oil boxes, it minimizes the abrasion of pistons and helps to perform long hour production.

规格 / Specification

工作宽度 (Working width)	划法 (Stroke)	RPM	针数 (No of needles)
2,800mm	50mm	1,200	5,000 EA/m ²
3,200mm	50mm	1,000	5,000 EA/m ²
3,600mm	50mm	1,000	5,000 EA/m ²
4,500mm	50mm	1,000	5,000 EA/m ²
所需电力 Electric power	Inverter 15Kw-1Set, Inverter 1.5Kw-1Set, Inverter 0.75Kw-1Set, Motor 15Kw-1Set, G/M 1.5Kw-1Set, G/M 0.75Kw-2Set, G/M 0.4Kw-1Set, Oil Pump 0.4Kw-2Set, Oil Cooler-2Set (电力准2,800规格。 / If's electric power applied an 2,800 spec.)		
主要生产产品 Main products	衣服类，汽车室内装饰，地毯，地面材料，人造皮革。 For clothes, embedding clothes for automobiles, carpets, floorings, and synthetic leather.		

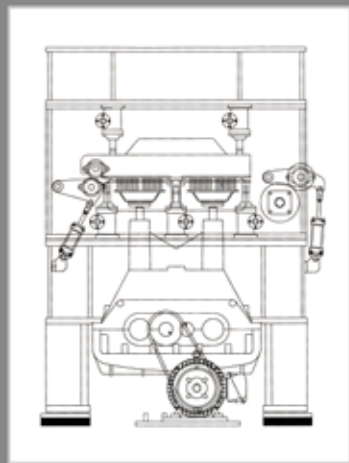
※本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

DOUBLE UP NEEDLE PUNCHING M/C

BNOD-2800 (OR) 



设计 / Lay Out



特点 / Features

- 两台机器连接在一起用来提高机器工作和产品质量。
- 机器占用很小的地方，并且从最底端被安装到最上端。
- 目的是保持平衡，而且使机器振动最小化，旋转高速化。
- In this model, two sets of machines mounted on one body frame. This model shows high performance result of two machines and quality improvement in one body frame.
- This model occupies less space. (Machines mounted from bottom and up)
- High performance of balancing, it minimizes vibration and easily rotate in high speed swing.

DOUBLE DOWN NEEDLE PUNCHING M/C

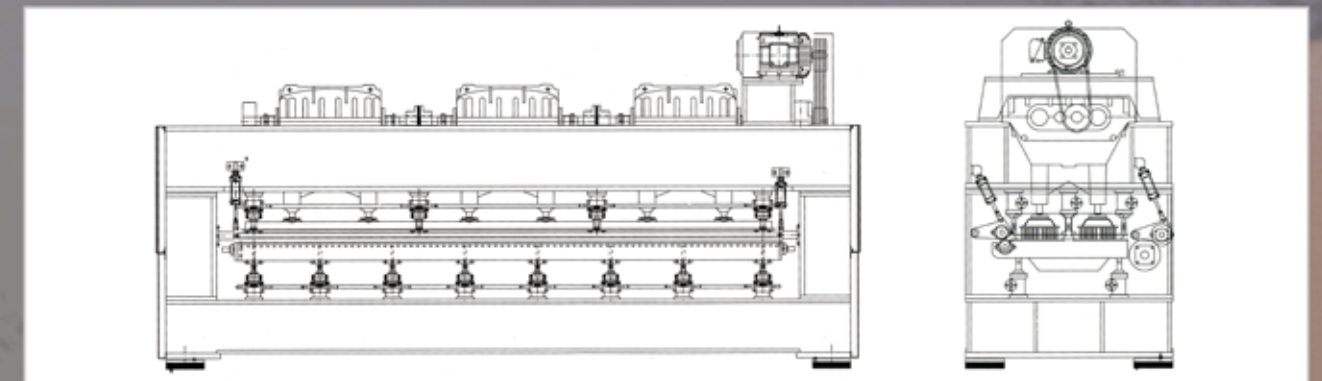
BNOD-4300(UR) 



特点 / Features

- 本机器是制成品的最后一个阶段的机器
- 两台机器连接在一起，提高工作密度
- 用一次可以提高两倍工作效率和品质。
- 两个配件相互反转，用来降低噪音和增大转速。
- This model is for the final process of goods
- Two sets of machines mounted on one body frame to increase product density.
- With one machine, it shows two machines performance result. (High working efficiency and quality improvement)
- Two shafts rotate reverse direction to minimize vibration and high speed rotation.

设计 / Lay Out



规格 / Specification

工作宽度 (Working width)	划法 (Stroke)	RPM	针数 (No of needles)
2,800~4,300mm	30mm	1,200	12,000/15,000 EA/m ²
所需电力 Electric power	Inverter 30kw -1Set, Inverter 1.5kw -1Set, Inverter 0.75kw -1Set Motor 30kw -1Set, G/M 1.5kw -1Set, G/M 0.75kw -1Set, G/M 0.75kw -2Set Oil Pump 0.4kw -2Set, Oil Cooler 0.2kw-2Set		
主要生产产品 Main products	衣服类, 汽车室内装饰, 地毯, 地面材料, 人造皮革, 土木纤维 For geotextile, embedding materials for automobiles, clothes, carpets, synthetic leather.		


※本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

规格 / Specification

工作宽度 (Working width)	划法 (Stroke)	RPM	针数 (No of needles)
2,800~4,300mm	30mm	1,200	12,000/15,000 EA/m ²
所需电力 Electric power	Inverter 45kw -1Set, Inverter 2.2kw -1Set, Inverter 1.5kw -1Set Motor 45kw -1Set, G/M 2.2kw -1Set, G/M 1.5kw -1Set, G/M 0.75kw -2Set Oil Pump 0.4kw -3Set, Oil Cooler-3Set		
主要生产产品 Main products	衣服类, 汽车室内装饰, 地毯, 地面材料, 人造皮革, 土木纤维 For geotextile, embedding materials for automobiles, clothes, carpets, padding, synthetic leather.		

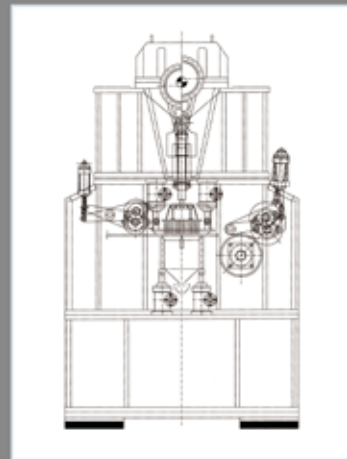
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NEEDLE PUNCHING M/C

BNOS-6300 



设计 / Lay Out



特点 / Features

- 制造安全框架减少噪音和震动，油箱维护方便。
- 油箱考虑crank ram运动，减少热能产生，即使在高度旋转中也可以降低热负荷。
- 采用各油箱循环冷却的方法，本机在一定的液压压力下，准确地供应滑油的必要组成部分。
- A highly stable frame is extremely reducing vibration and noise during operation. The oil boxes help easy maintenance.
- In consideration of crank ram motion, these oil boxes were developed to minimize heat generation, thus reducing thermal load during high speed rotation.
- With circulation cooling system of each oil box, it accurately supplies lubricate oil to necessary part at the constant hydraulic pressure.

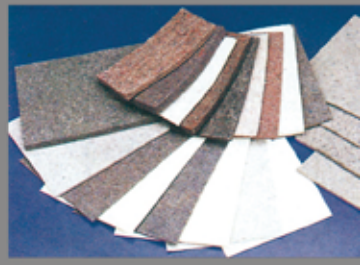
规格 / Specification

工作宽度 (Working width)	划法 (Stroke)	RPM	针数 (No of needles)	所需电力 (Electric power)
5,600mm	50mm	1,000	4,000 EA/m ²	Main Motor 37KW-1Set, 2.2KW-1Set, 1.5KW-1Set 0.75KW-2Set, Oil pump 0.4KW-4Set, Oil Cooler-4Set
7,000mm	40mm	900	4,000 EA/m ²	Main Motor 45KW-1Set, 2.2KW-1Set, 1.5KW-1Set 0.75KW-2Set, Oil pump 0.4KW-5Set, Oil Cooler-5Set
8,400mm	40mm	900	4,000 EA/m ²	Main Motor 55KW-1Set, 2.2KW-1Set, 1.5KW-2Set 0.75KW-1Set, Oil pump 0.4KW-6Set, Oil Cooler-6Set
主要生产品 Main products		土木纤维，膨润土，垫子 ... For geotextile, bentonite, mat ...		

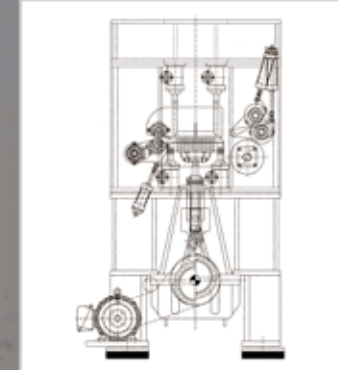
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SINGLE UP NEEDLE PUNCHING M/C

BNOS-2800 (OR) 



设计 / Lay Out



特点 / Features


- 本机是冲孔机，它的目的是便于用户维护和修理。
- 减少在高度旋转时的震动和噪音。
- 采用强制注油方法，机器可以最大限度的减少运动摩擦和磨损，进行长时间操作。
- This Up-punching machine is developed for customer's easy maintenance.
- Extremely reduces noise and vibration during high speed rotation
- It forcibly injects oil to minimize motion frictional heat and long-last effect of consumable parts of the machine. It is highly performing in long hour operation.

规格 / Specification

工作宽度 (Working width)	划法 (Stroke)	RPM	针数 (No of needles)
2,800mm	30mm	1,500	6,000/7,500 EA/m ²
3,200mm	30mm	1,300	6,000/7,500 EA/m ²
3,600mm	30mm	1,200	6,000/7,500 EA/m ²
4,200mm	30mm	1,100	6,000/7,500 EA/m ²
5,500mm	30mm	1,000	6,000/7,500 EA/m ²
所需电力 Electric power	Inverter 15Kw-1Set, Inverter 1.5Kw-1Set, Inverter 0.75Kw-1Set, Motor 15Kw-1Set, G/M 1.5Kw-1Set, G/M 0.75Kw-2Set, G/M 0.4Kw-1Set, Oil Pump 0.4Kw-2Set, Oil Cooler-2Set (电力准2,800规格。 / It's electric power applied an 2,800 spec.)		
主要生产品 Main products	衣服类，汽车室内装饰，土木纤维，空气过滤器，地毯，人造皮革 For clothes, embedding materials for automobiles, geotextile, air filter, carpets, and synthetic leather.		

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ENDLESS PUNCHING M/C

BNO-E8000 



特点 / Features

- 机器由特殊制造的织毛毡制成。
- 产品被穿透后圆柱可以被移除。
- 打开底座，开孔结构式的油缸和滑动方式。
- This model is specially developed for manufacturing paper felt. (endless)
- Cylindrical felt can be easily pulled out after needling process.
- For easy pulling out of goods, one bed plate is opened. (Opening Structure – oil pressure and sliding method)

规格 / Specification

规格 (Spec)	5,000	6,000	7,000	8,000
针数 (No of needles)	3,500EA/m ²	3,500EA/m ²	3,500EA/m ²	3,500EA/m ²
主电动机 (Main motor)	30KW	37KW	55kW	55KW
入口 (In net)	2.2KW	2.2KW	3.75KW	3.75KW
出口 (Out net)	3.75KW	3.75KW	5.5KW	5.5KW
油泵 (Oil pump)	0.75KW-3	0.75KW-4	0.75KW-5	0.75KW-6

■ 本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

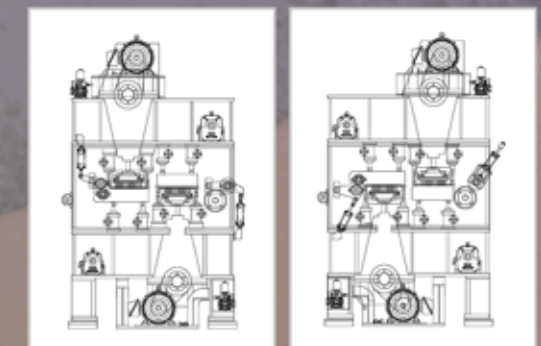
DOUBLE DOWN & UP (UP & DOWN) NEEDLE PUNCHING M/C



特点 / Features

- 该设备可同时上刺、下刺，上下针刺和下上针刺均可。
- 既可同时针刺，又可单独针刺。
- This machine can be used for both up and down punching and down and up and up punching.
- Both concurrent punching and individual punching operations are operable

设计 / Lay Out



DOWN & UP

UP & DOWN




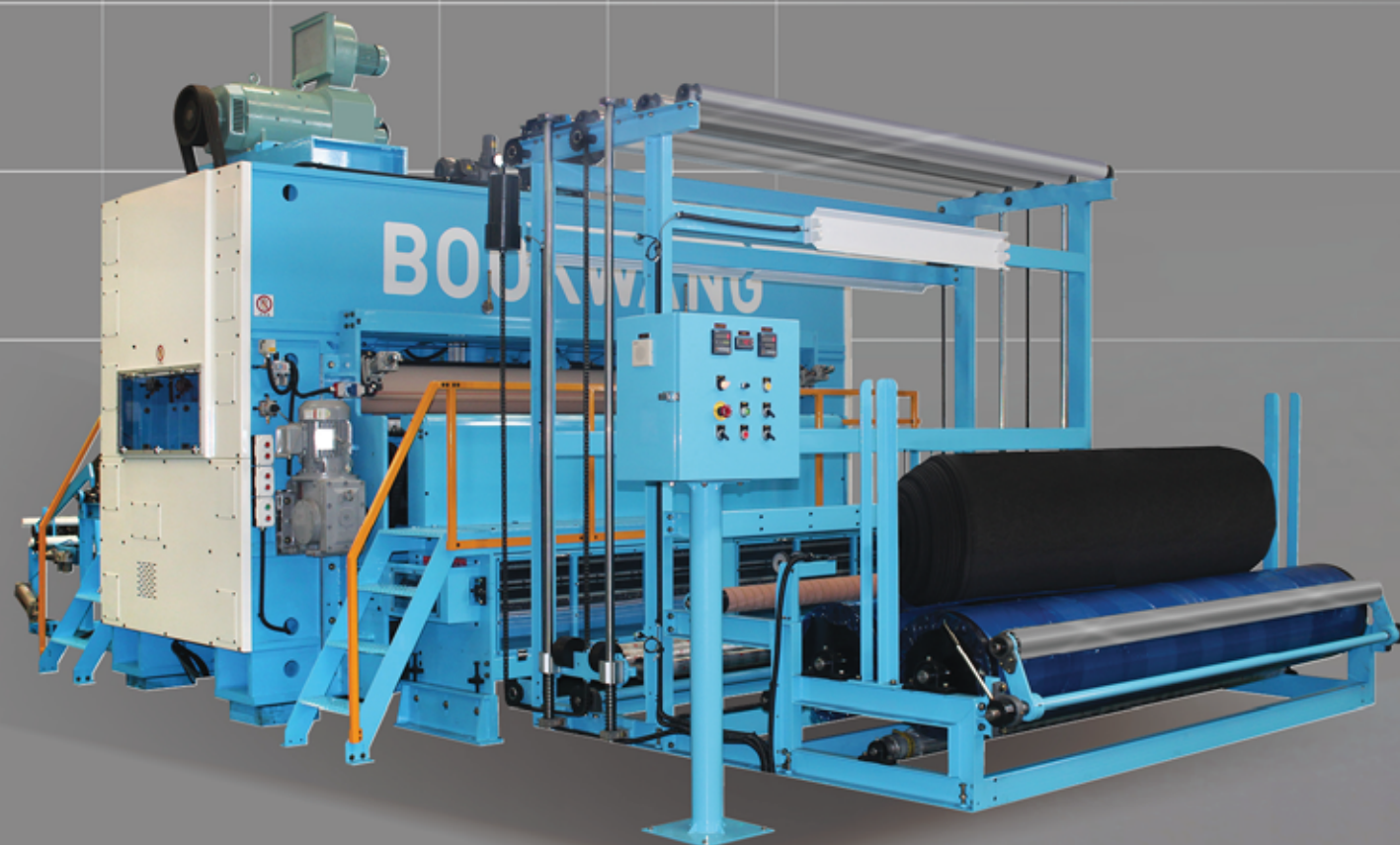
规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)	针数 (No of needles)
2,800	40KW	10,000~15,000 EA/m ²
4,500	65KW	10,000~15,000 EA/m ²

■ 本产品的规格为了提高品质会变更。
Specifications of this machine can be changed for quality improvement.

AUTOMOTIVE VELOUR NEEDLE LOOM

BKVN-2600 



特点 / Features


- 本机型是产品后期加工时需要的特殊机器。
- 底板是由刷子制成, 对产品的表面进行软处理
- This model is for post process of goods.
- The bed plate is made of brush for soft treatment of the good surface.

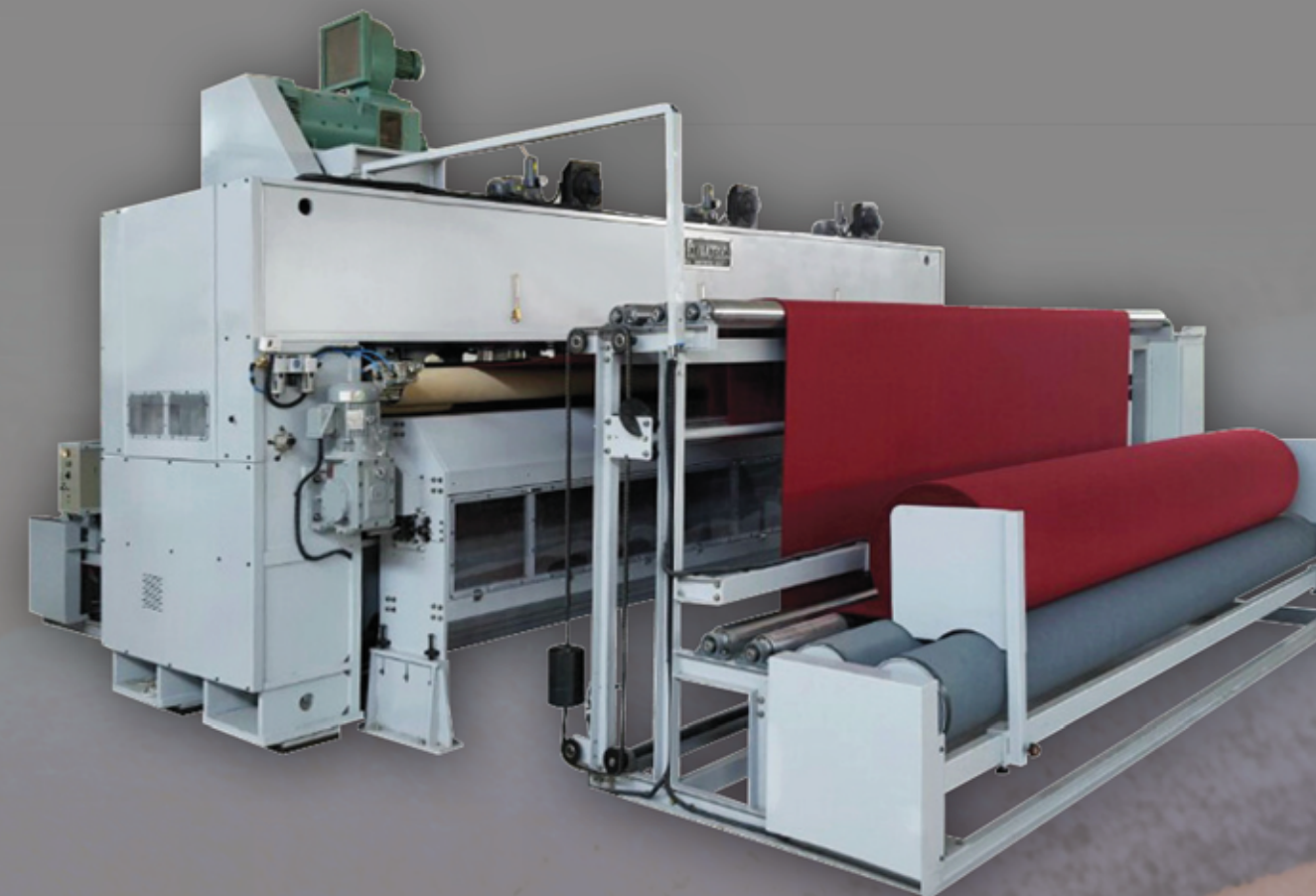
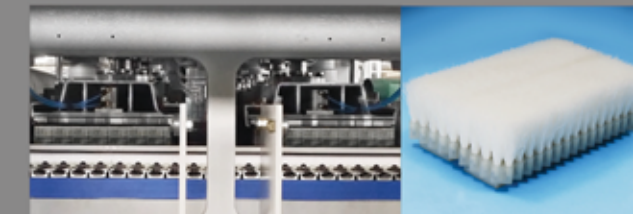
规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)	针数 (No of needles)	RPM	Speed
2,600	DC 45KW-1Set, 2.2KW-1Set, 1.5KW-4Set, 0.75KW-3Set, 0.4KW-2Set, 0.2KW-2Set	15,000 EA/m ²	1,600	4m/m

※本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

CARPET VELOUR NEEDLE LOOM

BKVN-4600 



特点 / Features

- 本机型是产品后期加工时需要的特殊机器。
- 底板是由刷子制成, 对产品的表面进行软处理
- This model is for post process of goods.
- The bed plate is made of brush for soft treatment of the good surface.

规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)	针数 (No of needles)	RPM	Speed
4,600	DC 75KW-1Set, 3.75KW-1Set, 1.5KW-9Set, 0.4KW-3Set, 0.2KW-3Set	15,000 EA/m ²	1,500	4m/m

※本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

HEATING ROLLER M/C

BKHR-2800 & 4500



特点 / Features

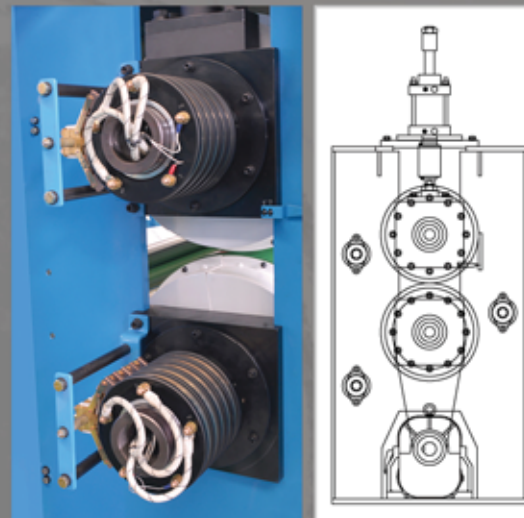
- 利用热力将成品表面处理平滑.
- 自动校正系统可以保证产品厚度的一致性.
- 通过自动传感器和注入油保持恒温.
- The surface of the complete product ironed smoothly by heat.
- Applying the auto-leveling system to maintain the constant thickness.
- Maintaining a constant temperature through the auto sensing sensor and oil injection.

规格 / Specification

工作宽度 (Working width)	主电机 (Main motor)	加热器 (Heater)
ø406 X 2,800mm	3.75kw- 1Set	2.8kw/12EA
ø406 X 3,300mm	3.75kw- 1Set	3kw/12EA
ø457 X 4,000mm	5.5kw- 1Set	4kw/15EA
ø500 X 6,000mm	7kw- 1Set	6kw/15EA

■ 本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

设计 / Lay Out



CONVEYOR FEEDER

BKCF-60"



特点 / Features

- 本机型能够自动清除, 并填充混合原料, 两条线可以同时进行.
- This model is developed for opening raw materials and performing automatic feeder. It also shows high performance on mixing and supplies two lines at the same time.

规格 / Specification

工作宽度 (Working width)	供给量 (Supply)
50"	400kg/h
60"	500kg/h
所需电力 (Electric power)	Inverter 1.5Kw-3Set, AC Motor 5.6Kw-1Set, G/M 1.5Kw-3Set, G/M 0.75Kw-2Set, Fan 2.2Kw-1Set
主要产品 (Main products)	土木工程, 汽车内饰, 服装等 / For geotextile, embedding materials for automobiles, and clothes

■ 本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

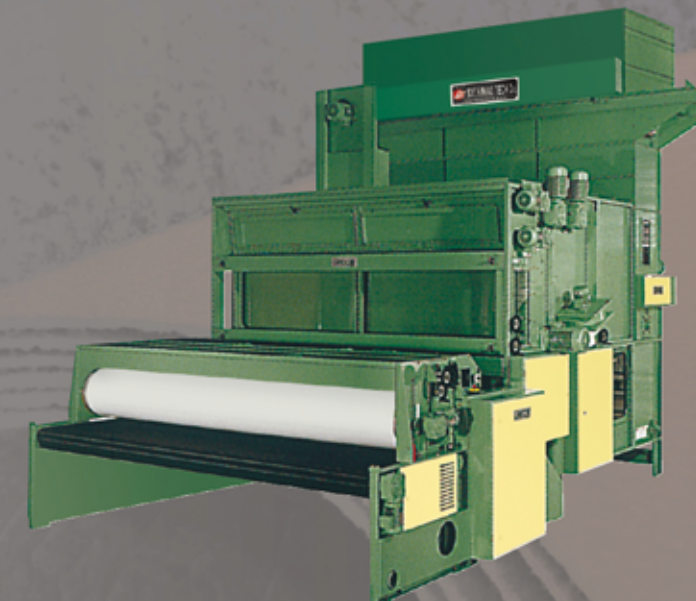
AIR LAY

特点 / Features

- 运用空气成型技术制造产品(产品规格1.5m ~4m)
- Easy to manufacture products with thick webs by air-molding (machine standards 1.5m~4m available)

规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)	生产量 (Production)
2,000 ~ 2,400mm	36kw	600kg/h
3,000 ~ 4,000mm	55kw	1,000kg/h



BALE OPENER & PRE OPENER

BKBO/BKPO-S



特点 / Features

- 用刻度检测原料, 提供纤维的准确体积.
- Available to supply exact volume of fibre after checking with scale

规格 / Specification

重量误差 (Error weight)	1g以内 (within 1g)
所需电力 (Electric power)	4.5kw

■ 本产品的规格为了提高品质会变更。
Specifications of this machine can be changed for quality improvement.

MIXING TANK BKMT



特点 / Features

- 混合原料后进行储存和供应.
- Save and supply after mixing raw materials

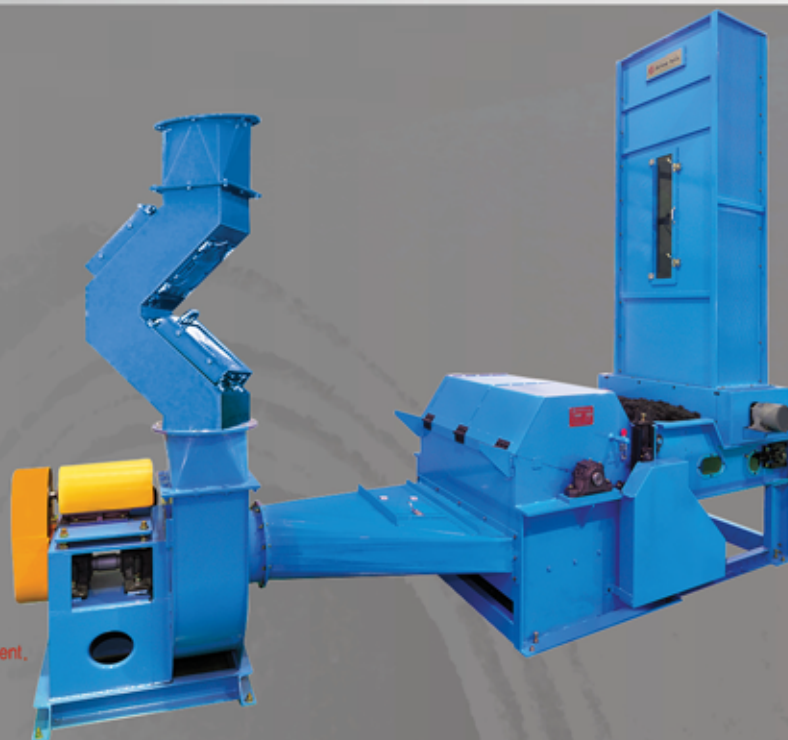
规格 / Specification

容量 (Visible supply)	40~70m³
所需电力 (Electric power)	11~14kw

■ 本产品的规格为了提高品质会变更。
Specifications of this machine can be changed for quality improvement.

MAIN OPENER

BKMO



规格 / Specification

Cylinder Motor	7.5kw
Feed Motor	G/M 0.75kw
Fan	3.7kw
Reserve Tank Feed Motor	G/M 0.4kw

■ 本产品的规格为了提高品质会变更。
Specifications of this machine can be changed for quality improvement.

特点 / Features

- 把从pre opener或者 mixing tank运送出的原材料再一次完全调和后送至 hopper的设备
- The raw materials transferred to this model from pre opener or mixing tank, and this model performs mixing and additional opening process for opening the raw materials completely. And then, transfer to the hopper.

HOPPER FEEDER & CARDING M/C

BKHF / BKCD

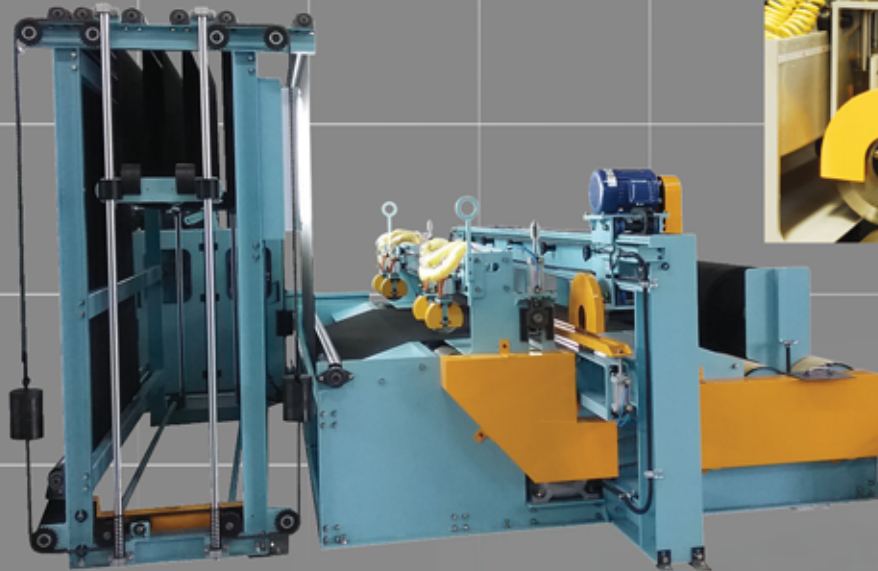


特点 / Features

- 供给定量纤维, 最大限度的减少对纤维的损害, 防止纤维变薄断裂, 细化产品表层, 提高产品质量. (机器规格 60", 80", 100")
- Minimized damages to fiber by supplying a certain quantity of fiber and combing thinly, and provided high quality and fine surfaces (machine standards 60" , 80" , 100")

CUTTING AND WINDING M/C

BKCW



特点 / Features

- 本机型按照成品的宽度和长度自动切割, 非常便利.
- 交叉切割的情况下, 本机采用 LM 导向, 保证切割线笔直. 电力传输使用皮带从而减少噪音, 提高传送精确度.
- This model automatically cuts and take up the width and the total length of a finished product, thus boosting convenience.
- In the case of cross cutting, the machines uses LM guide, thus making the cutting line straight. The power transmission uses not chains but timing belts, thus reducing noise and boosting accuracy.

规格 / Specification

工作宽度 (Working width)	2,000 ~ 6,000mm
所需电力 (Electric power)	Inverter 2.2Kw-1Set, Motor 2.2Kw-1Set, G/M 1.5Kw-1Set

※ 本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

QUILLOTINE CUTTING & WINDING

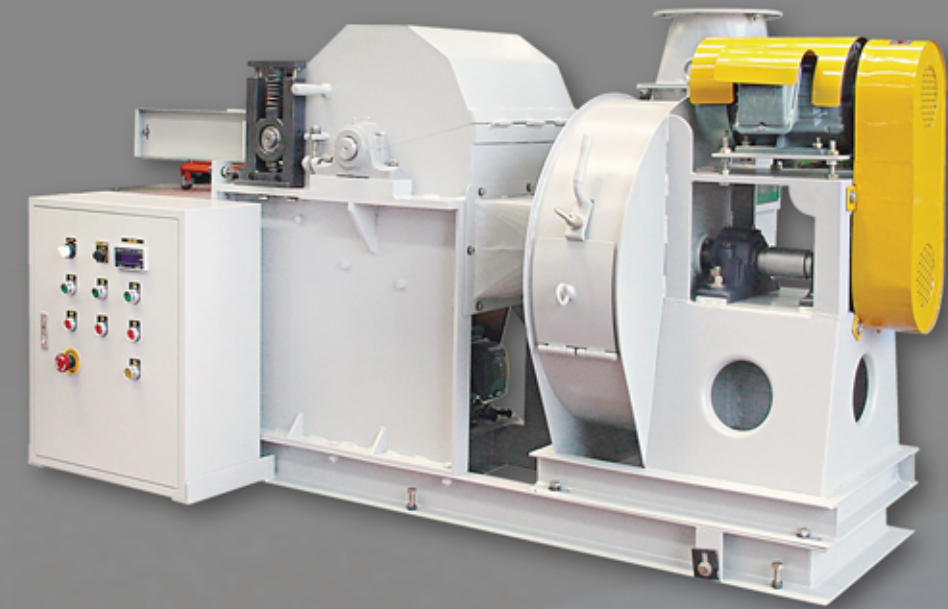


规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)
2,800mm	B/K 5.5KW, 0.75KW-2Set
4,000mm	B/K 7.5KW, 0.75KW-1Set, 1.5KW-1Set
6,000mm	B/K 11KW, 0.75KW-1Set, 1.5KW-1Set

- 高温加工的较硬产品也能轻松分切。
- Capable of easily cutting even hard products worked at a high temperature place.

RECYCLING M/C 400



特点 / Features

- 与切割机链接后系统自动运行, 无需额外人员操作, 可以提高生产效率, 节省劳动力.
- Automatic opening of raw materials without any manpower by direct connection to the cutting machine. (Increase of productivity and reduction of labor fee)

规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)
400mm	Main 3.5KW Fan 2.2KW Feed 0.75KW

※ 本产品的规格为了提高品质会变更。
Specifications of this machine can be changed for quality improvement.

FOAM GENERATOR

Model : BKFG

特点 / Features

- 本机型可产生泡沫涂在产品表层, 少量的泡沫即可覆盖大面积, 节约成本的同时提高品质.
- Spray process helps to use less amount of chemicals in wide area to coat the products. (Price efficiently and suitable for quality improvement)

规格 / Specification

工作宽度 (Working width)	所需电力 (Electric power)
300mm	Main 2.2KW Pump 0.75KW Monopump 1KW, Air Pressure 2kg/cm ²

※ 本产品的规格为了提高品质会变更。
Specifications of this machine can be changed for quality improvement.



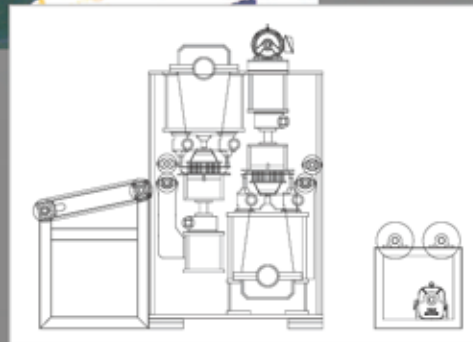
STITCHING M/C



设计 / Lay Out

工作宽度 (Working width)	所需电力 (Electric power)
4,000mm ~ 10,000mm	7.5KW - 2SET, 1.5KW - 1SET, 2.2KW - 1SET, 3.75KW - 1SET.

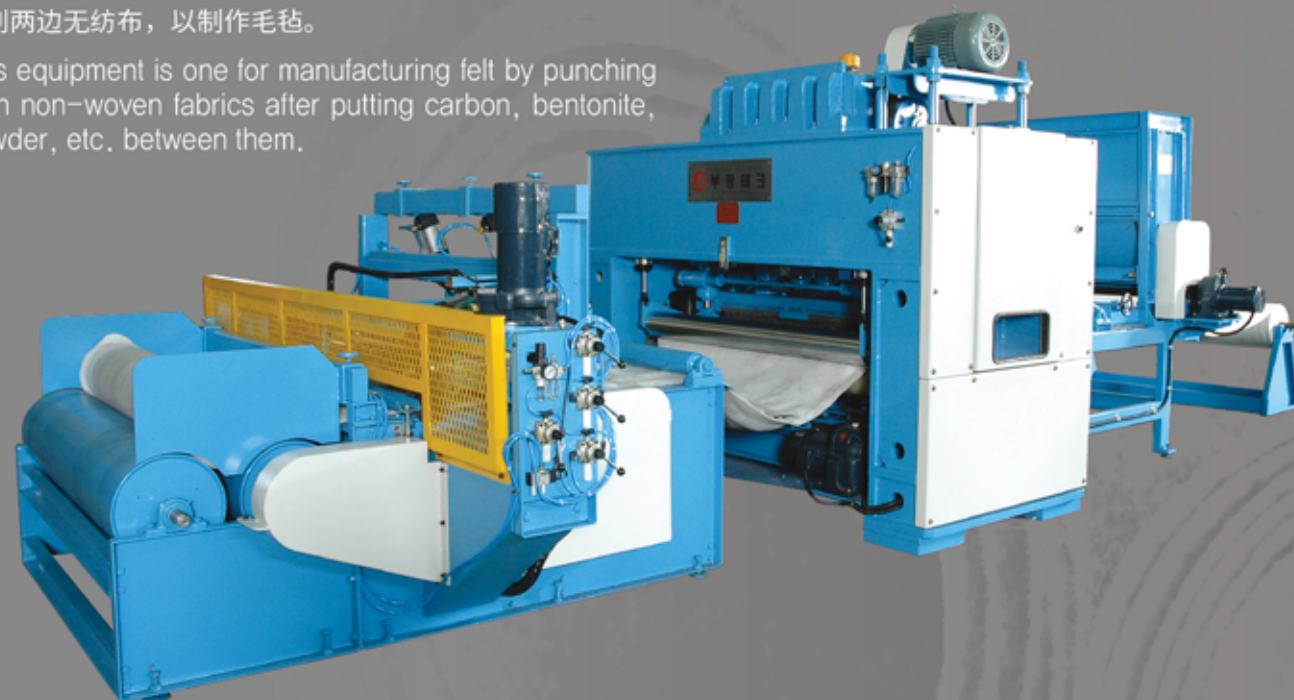
- 该设备用于叠加针刺较窄产品，以制作较宽产品。
- This machine is used for manufacturing wide products by punching narrow products after overlapping.



CARBON FILTER / BENTONITE LINE

1,000~6,000mm

- 该设备用于在无纺布之间加入碳、膨润土、粉末等材料后，针刺两边无纺布，以制作毛毡。
- This equipment is one for manufacturing felt by punching both non-woven fabrics after putting carbon, bentonite, powder, etc. between them.

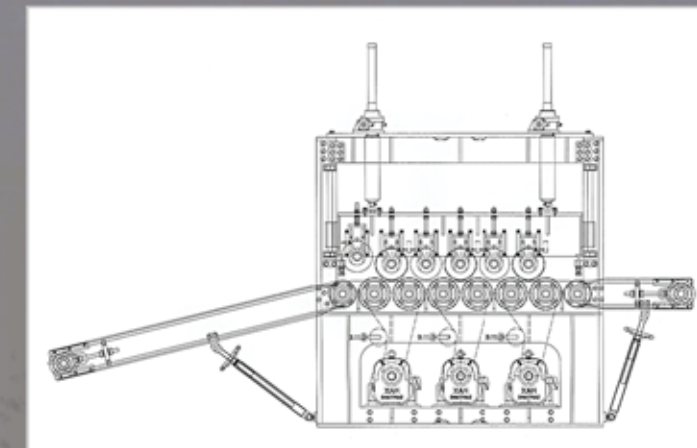


WEB DRAFTER

Model : BKWD



设计 / Lay Out



特点 / Features

- 通过调整各牵伸辊的转速比，调整web的倾斜角从而增大张力，给表面精细抛光使表面高质高档。用变频器单独调整每个牵伸辊的转速比，数码显示，draft的比率调整操作简单。整体up&down(上&下)的设计，轻易实现产品漫游。

- Web drafter adjusts the velocity ratio of each draft's roller and raises tensile force by controlling the angle of MD:CD of web. Also, it smoothes the surface very well and maximizes the quality of product. The inverter automatically controls each of the roller velocity ratio which indicates digitally so that it can easily adjust the ratio of the draft. This machine is designed with up&down and the loading of product is easy.

规格 / Specification

型号 (Model)	尺寸 (Size)	所需电力 (Electric power)
BKWD-3000	ø165 × L3000	Draft 0.75kw - 3~4 Set
		Up&Down 0.75kw - 1Set
BKWD-4500	ø165 × L4500	Draft 0.75kw - 3~4 Set
		Up&Down 0.75kw - 1Set

• 本产品的规格为了提高品质会变更。 / Specifications of this machine can be changed for quality improvement.

MAIN PRODUCTS EQUIPMENT SYSTEM

土工布 / 土工纤维

GEOTEXTILE

CONVEYER FEEDER
MIXING TANK
HOPPER FEEDER
CARDING M/C
CROSS LAPPER M/C
C.B.F.
PRE NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
HEATING ROLLER
CUTTING & WINDING

地毯

CARPET

BALE OPENER
PRE OPENER
MIXING TANK
MAIN OPENER
HOPPER FEEDER
CARDING M/C
CROSS LAPPER M/C
C.B.F.
PRE NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
STENTER
HEATING ROLLER
CUTTING & WINDING

衬布

INTERLINING

CONVEYER FEEDER
CHUTE HOPPER
CARDING M/C
CROSS LAPPER M/C
C.B.F.
PRE NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
SPRAY DRYER
HEATING ROLLER
CUTTING & WINDING

衬料

PADDING

CONVEYER FEEDER
MIXING TANK
CHUTE HOPPER
CARDING M/C
CROSS LAPPER M/C
C.B.F.
PRE NEEDLE PUNCHING M/C
SPRAY DRYER
HEATING ROLLER
CUTTING & WINDING

毛毡

FELT

BALE OPENER
PRE OPENER
MIXING TANK
CHUTE HOPPER
CARDING M/C
CROSS LAPPER M/C
PRE NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
DRYER M/C
HEATING ROLLER
COOLING SYSTEM

汽车室内装饰

AUTOMOTIVE

BALE OPENER
PRE OPENER
MIXING TANK
HOPPER FEEDER
CARDING M/C
CROSS LAPPER M/C
C.B.F.
PRE NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
STENTER
PE COATING
HEATING ROLLER
CUTTING & WINDING

人造皮革, 人造革

ARTIFICIAL LEATHER

BALE OPENER
PRE OPENER
MIXING TANK
MAIN OPENER
HOPPER FEEDER
CARDING M/C
CROSS LAPPER M/C
WEB DRAFTER
C.B.F.
PRE NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
UP NEEDLE PUNCHING M/C
DOWN NEEDLE PUNCHING M/C
CALENDER ROLLER
CUTTING & WINDING

