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为提高产品之质量，本公司保留更改之权力，恕不另行通知。
To keep up with advanced technology, we reserve the right to change the specification without notice.
泰坦，面向世界的中国巨人

古希腊神话中的巨神，
集聚中国泰山之力与君子坦荡胸怀后，
诞生了中国的巨人泰坦。

高论铁锤，
是打造先进制造业基地的决心；

顶天立地，
是勇于创新，走向世界的大无畏精神；

昂首阔步，
是高瞻远瞩与实现实业报国的坚定信念。
ZHEJIANG TAITAN CO., LTD.

浙江泰坦股份有限公司是全国著名的纺织机械制造企业。国家级重点高新技术企业，亦是中国驰名商标和浙江省名牌产品企业。公司成立于1986年5月，主要经营纺织机械设备。现位于浙江省新昌县南岩高新技术产业园区的泰坦科技园，占地面积22万平方米，拥有员工600余人，其中科技人员200余人。下设喷气设备事业部、自络筒设备事业部、挽线设备事业部、棉纺设备事业部、剑杆设备事业部、金工事业部、塑胶事业部等生产部门。

长期以来，公司秉持科技是第一生产力的理念，积极提高自主创新能力，致力于新型纺织机械的开发研究。至今已有20多只产品投放市场，获得省以上科技成果50余项，其中国家级科技成果15项，先后申报了拥有自主知识产权的专利40余项，已形成的主要有棉纺、纺织、造纸等三大纺织系列产品的先进，喷气、万能、剑杆、转杯等设备的年产量均列全国同行业之首。喷气纺织机、幅流纺纱机等产品填补了国内空白。自动络筒机、全自动转杯纺纱机等新型纺织设备达到了国际纺织制造的高端技术标准。

公司坚持以人为本的科学发展观，重视知识和人才的作用，加强企业文化建设。努力提升核心竞争力，坚持“创新发展，百年泰坦”为奋斗目标，努力做到“员工富、企业强、贡献大”，在创新为魂，催人奋进的历程中书写一页新的篇章。

Company Profile

Zhejiang Taitan Co., Ltd. is a famous manufacturer for textile machinery in China. It is not only a state key hi-tech enterprise but also a famous brand product enterprise in Zhejiang province. TAITAN is a well-known trademark in China. It is established in May, 1986 and mainly engages manufacturing and sale of textile machinery. Now it locates at Taitan Science and Technology Park in Nanyan Hi-tech Industrial Park, Xinchang County, Zhejiang Province, occupies area of 220,000m², holds more than 600 employees, thereinto including more than 200 technicians/engineers. It consists of some producing divisions including air jet loom division, automatic winder division, twisting machinery division, spinning machinery division, rapier loom division, metaworking division, plastic division etc.

For a long time, Taitan adheres to the concept that science and technology constitute the primary productive force, enhances actively independent innovation ability, bends ourselves to research and development of new style textile machinery. So far more than 20 products have been submitted to market. More than 50 scientific and technological achievements have been awarded the province or national prizes, thereinto 15 achievements belong to the national prize. More than 40 patents with independent intellectual property rights have been declared and holded. Taitan has holded three series of textile machinery including twisting machinery, spinning machinery and weaving machinery. Its annual production and sale quantities of two for one twister, doubling winder, rapier loom and rotor spinning machine are above others for the same industry. Some machines such as vortex spinning machine etc. fill the blank in china. Automatic winder and full-automatic rotor spinning machine etc. achieve a hi-tech level as international new style textile machinery.

Taitan adheres to the people-oriented concept of scientific development, attaches importance to knowledge and talented person, strengthens construction of enterprise culture, upgrades core competitiveness. It insists on the struggling goal of “Innovation and development, centennial Taitan”, labors for “rich staff, strong enterprise, big social contribution”, makes out new sections and chapters page after page among the motivational developing history of “innovation for spirit guidance”.

ZHEJIANG TAITAN CO., LTD. • 01 •
TT-800B Air Jet Loom is with some features such as advance design, stable technology, wide weaving range, easy operation and maintenance, better price-performance ratio etc.. It is the first choice for the textile mills.
Appraised as a China Torch project
Appraised as the major digital equipment developing project of Zhejiang province.
【引纬】
Weft insertion
　　在辅助主喷嘴、主喷嘴、辅助喷嘴、异型钢筘的共同作用下，利用释放压缩空气产生的高速气流，将纬纱穿越织口完成引纬。
Under joint actions of auxiliary main nozzle, main nozzle, auxiliary nozzle and unconventional shaped reed, guide weft yarn across cloth-fell by high speed airflow formed because of released compressed air to finish weft insertion process.

【打纬】
Beating-up
采用四连杆打纬机构。
Adopt four-lever beating-up mechanism.

【主喷嘴】
Main nozzle
采用双喷或四喷。
Adopt two-jet or four-jet.
【双经检测机构】
Double weft detector head

保证纱线顺利穿越织口，防止空纬、短纬、弯纬、长纬、断纬等现象的产生。
Ensure weft yarn smoothly pass across cloth-fell to avoid some bad phenomenas such as empty weft, short weft, curved weft, long weft and broken weft etc..

【电子送经机构】
Electronic let-off mechanism

电子送经采用张力传感器检测经纱张力变化，经电脑改变交流伺服电动机的转速改变送经量，以达到调节经纱张力的目的。
The electronic let-off mechanism tests the change of the warp tension by means of a tension sensor, controls the warp run-in amount by changing the running speed of the AC servo motor through the computer to adjust the warp tension.
【卷取机构】
Take-up mechanism

卷取机构采用机械式连续卷取和电子卷取两种形式。
1. 机械卷取机构（常规产品）
通过改变齿轮的大小而改变纬密的大小，卷取张力自动调整，使物始终保持张力一致。
2. 电子卷取机构（用户选配）
采用交流伺服系统驱动卷取装置，通过电脑控制使其与经轴完全同步运转，控制纬密，纬密密度可在人机界面上进行设定，而不需要变换齿轮，同时通过与电子送经系统的联动操作，使上机工作更加容易进行。

There are two mechanisms: mechanical and electronic take-up mechanism.
1. The mechanical take-up mechanism (conventional product)
The weft density is changed by changing the gear; the winding tension is adjusted automatically, enabling fabric to keep uniform tension.
2. The electronic take-up mechanism (optional product)
This is a winding device driven by an AC servo system, which makes the winding completely synchronous to the loom through computer to control the beating density. The beating density can be set on the man-machine interface without changing the gear. At the same time the warp gaiting will be very easily operated by cooperating with electronic let-off mechanism.

【开口机构】
Shedding mechanism

1. 消极式凸轮开口机构：凸轮轮廓形状可以按照开口工艺进行设计，是用户广泛采用的开口形式，最多8页综框。
2. 积极式凸轮开口机构（用户选用）适合高速、宽幅、重号织物的织造。
3. 电子多臂开口机构（用户选用）16页综框，基本能满足织造组织的需要。
4. 提花开口机构（用户选用）配1344, 2688, 5120针电子大提花开口。

1. Passive cam shedding mechanism: The cam outline can be designed according to the technology of shedding. It is the most popular shedding format adopted by lots of users, permitting to be equipped with max. 8 shafts.
2. Active cam shedding mechanism (optional): suitable for high speed weaving of wide and thick fabrics.
3. Electronic dobby shedding mechanism (optional): permit to be equipped with 16 heald frames, which can meet basically the requirements of conventional fabrics.
4. Jacquard shedding mechanism (optional): permit to be equipped with electronic jacquard device with 1344, 2688 or 5120 needles.
【人机智能界面】
Man-machine interface

中文显示班产、织物定长、经纱张力设定、纬线选择、电磁阀启闭时间等内部参数的设置，织机状态监控及自动故障诊断。

Display the set interior parameters such as output per shift, preselected fabric length, warp tension, weft selection, time of electromagnetic valve opening and closing plus monitor of status and self-diagnosis of faults of loom.

规格尺寸 Dimensions

<table>
<thead>
<tr>
<th>织机筘幅 Reed Width</th>
<th>A</th>
<th>B</th>
<th>D</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900(75°)</td>
<td>1900</td>
<td>2540</td>
<td>1300</td>
<td>4320</td>
</tr>
<tr>
<td>2300(91°)</td>
<td>2300</td>
<td>2940</td>
<td>1700</td>
<td>4720</td>
</tr>
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<td>3140</td>
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<tr>
<td>2800(110°)</td>
<td>2800</td>
<td>3440</td>
<td>2000</td>
<td>5220</td>
</tr>
</tbody>
</table>

注: ◎配下置式电子多臂，W增加440mm
◎配织纬式踏盘开口，W增加350mm

主要技术参数 Main Specifications

<table>
<thead>
<tr>
<th>织机筘幅 Reed Width</th>
<th>转速(转/分) Speed(rpm)</th>
<th>最大入纬率(m/min) Max. weft insertion rate</th>
<th>装机容量(kw) Power consumption</th>
<th>占地面积(mm²) Floor occupation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900(75°)</td>
<td>700</td>
<td>1330</td>
<td>4</td>
<td>4320x1860</td>
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<tr>
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<td>2800(110°)</td>
<td>580</td>
<td>1624</td>
<td>4.7</td>
<td>5220x1860</td>
</tr>
</tbody>
</table>
Main Technical Features

- Reed width adjustable range: 0~600mm (single side adjustment).
- Weft density range: 10~81 picks/cm.
- Yarn count range: Short fiber: 5s/l~100s/l; Filament: 30D~600D.
- Fabric weight range: 30g/m²~500g/m².
- Shedding form and number of heald frames: Adopt passive or active shedding device (permit to be equipped with electronic jacquard). Plain weave shedding: 4~6 shafts, Cam shedding: 8 shafts, special configuration: max. 10 shafts, dobby shedding: 16 shafts.
- Weft insertion mechanism: Main nozzle, auxiliary main nozzle, auxiliary nozzle, extension nozzle (optional), unconventional shaped reed.
- Weft yam selection: Two-jet, four-jet.
- Length measurement & weft storage: Electronic drum weft storage. The length is determined by the drum diameter and weft-stop pin.
- Beating-up mechanism: Apply two-side closed four-lever beating-up mechanism.
- Weft stop motion: A reflective photoelectric weft-detector detects the weft information, sends instructions for stop or go-on-running through the photoelectric weft-detector board.
- Electronic let-off mechanism: Automatic, continuous, active electronic let-off.
- Take-up device: A mechanical, continuous take-up or electronic take-up mechanism.
- Warp stop motion: Electric point-contact warp stop motion.
- Fabric selvage forms: Rough selvage and true selvage (tuck-in selvage).
- leno selvage device: A planet gear leno selvage mechanism or tuck-in mechanism.
- Lubrication system: Oil-bathing lubrication for the main transmission position; Oil cup or centralized oil-supply lubrication for the rest positions.
- Air-supply pressure: The air-compressor normally outputs a 0.7Mpa air pressure. Air pressure inputted into the loom is not lower than 0.55Mpa.
- Loom stoppage treatment: Stop loom at set position, aligning automatically cloth-fell, avoiding starting marks.
- Signal treatment: Four-colour signal lamp to indicate warp-stop, weft-stop, call signal, fabric length.
提花开口机构(用户选用)
◆配1344, 2688, 5120针电子大提花开口。

Jacquard shedding mechanism(for user's choice)
◆Electronic jacquard shedding mechanism with needles 1344, 2688, 5120.