Branches
Shandong Tongda Textile Machinery Co., Ltd
Qingdao Tongda Textile Machinery Co., Ltd
Qingdao Kaishuo Water jet loom Co., Ltd
Qingdao Tongda Nonwoven Machinery Co., Ltd
Shandong Tongda Nickel screen Co., Ltd
Shandong Tongda synthetic leather Co., Ltd

Contact us
Shandong Tongda Textile Machinery (Group) Co., Ltd
Tongda industry park, Tongda Road, Changyi, Weifang, China
Tel: 0086-532-8092 2607
Fax: 0086-532-8092 2607
Mobile: 0086-1866 3901 627
E-mail: sales@china-tongda.com
Website: www.china-tongda.com

Authorised Agents for :
Shandong Tongda Textile Machinery (Group) Co. Ltd, China.
Coner International Pvt. Ltd.
D-104, Riddhi Siddhi Complex, Kamraj Nagar, Unnat Nagar Road No. 2,
Goregaon (W), Mumbai - 400 062, (M.S.) INDIA.
Tel: +91-22-28728434 / 28718585
Fax: +91-22-28718434
Mobile: +91-9820135085
Skype : conerinternational
E-mail: rumi@conerinternational.com / conerinternational@yahoo.co.in
Website: www.conerinternational.com
Tongda Group specializes in design, manufacturing, and marketing of a wide range of Textile machinery, it has five branch companies, mainly produces blow room, cotton carding machine, draw frame, Roving frame, rotor spinning machine, ring spinning machine, water jet loom, nonwoven machinery etc. The company has built a complete infrastructure to support a full effort for product research and development to satisfy the needs of the marketplace. Production capability for cotton machinery and spinning machinery products sustains an annual quantity of 20,000 units of various models.

Tongda has been growing steadily since 1952 when the spinning machine were developed. Tongda places its focus on becoming a professional supplier of Textile machinery and new materials with continuous development of modern ergonomic designs, a reliable service support network, and an efficient global network of logistics. Today, Tongda machines are being widely used by thousands of cotton and yarn, textile manufacturers.

Along with product development, Tongda has been awarded technology patents. Special techniques in design and manufacturing have also been perfected. Tongda is an ISO9001, ISO14001, and ISO13485 company. The products are designed to meet the technical standards of 3C and CE. All the products are certified by the Industry Administration Authority.

Tongda will continue to strive to be a stronger leader in the global market of Cotton machinery and Spinning machinery.
Function and characteristics
To open and electronically weight the correct proportion of fiber. Several sets may be combined together dependent on the number of fiber types to be blended together.

Main specifications:
- Working width: 1100mm, 1400mm
- Capacity: ≤200g/h, ≤300g/h
- Installed power: 3.75kw

Function and characteristics
Open and blend the fibers prior to the next process. There are several options for the opener dependent on the fibers to be used. These options are: A) Toothed opener, B) Pin plate opener, or C) Wired opener. A plate magnet is included for metal extraction. Alarm and reverse running when jammed.

Main specifications:
- Working width: 1000mm, 1300mm, 1500mm
- Capacity: 250kg/hr, 350kg/hr, 500kg/hr
- Installed power: 7.0kw 7.0kw 11kw
**TDHM BIG CHARMBER BLENDER**

**Function and characteristics**
Mix and store the opened fiber in a large volume to achieve continuous automated production. Rotary separator to ensure the fiber is distributed in the blending chamber evenly. Photo electric sensors control the chamber status. Galvanized or stainless steel sheet construction is available for chamber construction.

**Main specifications:**
- Working width: 2000mm, 2200mm, 2500mm
- Capacity: 16 m³, 20 m³, 30 m³
- Installed power: 8kw, 8kw, 10kw

---

**TDGM-I PNEUMATIC FEEDER**

**Function and characteristics**
This feeder is used for feeding fine to medium denier fibers to the card. The opened fiber is fed to upper trunk of this machine, after further opening by the beater, an even layer or even quantity of fiber is transferred to lower trunk by the circulation fan uniformly, then across the width of the machine to feed the card. This machine can automatically adjust the web uniform by a combination of photo electric sensors and pneumatic or air pressure control.

**Main specifications:**
- Working width: (1400-2350)mm
- Capacity: (160-400)kg/hr
- Installed power: (4.85-5.2)kw
Function and characteristics
This feeder is used for medium to coarse denier fibers to store the opened fiber and then facilitate the transfer of an even layer or even quantity of fiber across the width of the machine to feed the card. Average roller and stripping roller drive separately. Spiked lattice controlled by inverter. Photo electric sensors continually control fiber levels in the unit. In addition, there is a vibrating plate system for even and accurate feeding.

Main specifications:
- Working width: (1400-2350)mm
- Capacity: up to 800kg/hr
- Installed power: (2.25-3.3)kw
This machine is used for fully carding the fiber batt following opening and blending, then forming parallel or random web through doffer and random if required, which is then supplied to the next processes. The carding machines cover all types of fiber, synthetic and natural fibers etc, from very fine to very coarse deniers, fiber length up to 120mm. Card with cylinders up to 1.5meters in diameter and up to 2.5 meters in width are produced as normal standard. Card main cylinders are balanced to a surface speed of 1500meters/per min, output speed up to 80m/min, web weight 12-60gram/㎡. Card capacity is depending upon card type, fiber denier, types of fiber but can be excess of 800kgs/per hour. All types of card both single and double doffers can be fitted with randomizer rollers or nor dependent on customer's needs. All drives including main drive, doffers, workers, feed rolls etc are variable speed. Metal detection devices are standard on feed rolls. Card wires can be supplied as surface wound or interlocking as required. The multi-point suction system ensures all free fibers and dust is continuously removed from the card to be recycled or fed to another recycling process. High-precision fitted undergirds effectively control the airflow and ensure the CV value of fiber web. Surface precision grinding of the cylinders ensures less than 0.02mm runout as normal tolerance. All main cylinders and larger rollers are precisely balanced prior to assembly. Top covers are opened and closed by motor assisted system. The control system may be by servo-motor or Inverter drives according to customer requirements. This ensures that the total line will have constant synchronization with controlled stable start and stop of the line. Card is fitted with a system to minimize rollers of fiber thus helping to protect card wire. The cards have a complete and total electronic safety system to meet all international standards. Other details and variables are dependent on customer's needs and can be discussed with our technical staff.
**Function and characteristics**

- The machine is used to fold or plate the web into multi-layers after carding into the required width and product weight.
- From here, the batt of material is ready to transfer to the next process, for example: to needle loom or to the oven.
- All cross lapper aprons are driven separately, forward and reverse movement is controlled accurately by PLC and this allows for easy adjustment.
- Automatic correction system.
- The reciprocal motion is controlled by inverter drive and all components are sealed against oil leakage.
- The crosslapper utilizes PLC interface by touch screen and PLC programmable controller to make operating parameters and conditions easy to change, repeat or maintain.

**Main specifications:**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input width</td>
<td>≤2700mm</td>
</tr>
<tr>
<td>Output width</td>
<td>(2500-10000)mm</td>
</tr>
<tr>
<td>Lapping speed</td>
<td>≤35m/min</td>
</tr>
</tbody>
</table>
Function:
Used for reinforcing and surface finishing of the nonwoven fabrics.

Main specifications:
- Working width: (2200-10000)mm
- Needle density: (4000-8000)n/m
- Needle stroke: (25-50)mm
- Needle frequency: (800-1200)r/min
- Needle type: single board, up/down stroke.

Structure:
- Crank cause complete with a vertical balance system.
- Centra oil lubrication circulation and cooling system complete with pressure and temperature alarm systems.
- Magnesium alloy/PU combined needle board locked firmly by lock-bolt or air tube; multi random computer needling methods for needle board.
- Chrome plated delivery rollers with carved or patterned surface.
- Auto top dead center controlled stop.
**TDGZ-III TANDEM NEEDLE LOOM**

**Function**
Used for reinforcing and surface finishing of the nonwoven fabrics.

**Main specifications**
- Working width: 2200-8000mm
- Needle density: 5000-8000n/ m² boards
- Needle stroke: 25-50mm
- Needle frequency: 800-1200r/ min
- Needle type: double shafts, double boards, up stroke& down stroke

**Structure**
Crank case complete with a vertical balance system.
Central oil lubrication circulation and cooling system complete with pressure and temperature alarm systems.
Magnesium alloy/ PU combined needle board locked firmly by lock-bolt or air tube; multi random delivery rollers with carved or patterned surface.
Auto top dead center controlled stop.

**TDRZ CALENDER**

**Function and characteristics**
Used where high pressure is required for maximum control of thickness or surface treatment and bonding of light weight nonwoven material.

**Main specifications**
- Working width: 1800-3500mm
- Working pressure: ≤100kg/ cm
- Mechanical speed: ≤4000mm/ min
- Surface temp. ≤260°C
- Temp. Difference ±1°C
- Structure style 2-roll or 3-roll
- Heating method hot oil circulation

**Structure**
- Heated rollers are adopt heat-resistant alloy steel, surface engraved by electronic programmed engraving system.
- Separate oil heating system, adjust and keep the temperature automatically.
- Up-down rollers cross over 0-30mm axial direction, pressure in the two ends can be adjusted precisely by hydraulic system.
- The bearings are lubricated/ cooled by a separate oil system.
- The universal coupling is connected to inverter motor for driving.
TDH-I THERMAL-BONDING OVEN

Function and characteristics
The machine is used to process the web to obtain the required hard and thick thermal-bonding wadding. The low melt fiber will combine other fibers together through hot air penetration and cooling system for reinforcement.

Main specifications
- Working width: ≤3600mm
- Product weight: 100-9000gram/㎡
- Product thickness: 3-200mm
- Surface temp.: ≤220℃
- Heating method: hot oil circulation, electricity heating, direct burning
- Oven working width: 4.8m 6.0m

Structure
Single pass double-belt structure
Top and bottom belts hold the fiber batt on oven entry to allow it to be heated while forming its structure. The gap between the belts may be adjusted within the range of 50-250mm. The belts are of manganese base material coated with TEFLO.
Unique special air duct design allows hot air to penetrate from either up or down.

TDDX COATING, STENTER, HEAT SETTING COMBINATION LINE

Function and characteristics
Finishing and after treatment of nonwovens for heat setting and consolidation, such as asphalt substrate, footwear, luggage, interlinings, carpets, industrial nonwovens etc.

Main specifications
- Working width: 1500-4500mm
- Product weight: 100-1000gram/㎡
- Working speed: ≤30m/min
- Heating method: hot oil circulation, direct burning
- Structure: horizontal, vertical
- Working length: 18-30m

Structure
Foam-coating, coating, saturated impregnating, spray-bonding etc.
Modular circulation oven using a small floor space.
Drive chain, auto-lubrication rail, inter-locked controlling and amplitude modulation device.
Auto trim-detector centering fabric guiding device.
Auto sensing moisture content exhaustion system.
Circulation fan and inverter control.
TDXT WINDER& CUTTER

Used for nonwovens for winding into compact roll, cutting, metering etc.

TDHQ WINDER& CUTTER

Used for cross cutting for sheeting applications and winding soft compact roll. In addition, edge-trim knives and other slitting devices can be added according to individual applications.

TDFQ SLITTING MACHINE

Used for nonwovens fast section cutting, metering, winding and etc.

TDZQ LENGTHWAYS CUTTER

This cutter is a high speed rotating blade to allow for clean and precise cutting of heavy materials.
TDSB RECYCLING MACHINE

This device is used to process waste material from the web forming systems into fiber to be re-blending at the start of the process. The number of cylinders and production output dependent upon the type of material to be opened.

TDQT WASTE FABRIC CUTTER

The device is used to cut the large or long waste materials into small and short pieces, which are easy to be processed on the recycling machine.
Application & characteristics
Automotive interiors nonwovens mainly used for headliners, trunk, carpets and other interiors.

Main specifications
Product net width: up to 5000mm (or wider depended on individual requirements)
Product weight: up to 80-450gram/m2
Application & characteristics
Production lines can make all kinds of needle punching geotextiles or other needle punching products. The line can have additions such as batt and / or felt drafters. Needle looms of different needle types and / or densities can be used dependent on end use of product.

Main specifications
Product net width: up to 9000mm (or wider depended on individual requirements)
Product weight: up to 100-1000gram/㎡
**TDL-YZ ASPHALT SUBSTRATE PRODUCTION LINE**

**Application & characteristics**
Asphalt needle punch fabrics used for civil engineering water-proofing and industrial applications and etc.

**Main specifications**
Product net width: up to 4800mm (or wider depended on individual requirements)
Product weight: up to 80-250gram/㎡

---

**TDL-GL FILTER FELT PRODUCTION LINE**

**Application & characteristics**
All kinds of filter felt and GMT board used for the temperature insulation, interlinings, automobiles headliners, dust exhaustion and filtration, etc.

**Main specifications**
Raw materials: non-alkali fiber glass or neutral-alkaline glass fiber, PP, PET, ES fiber
Product weight: up to 500-2200gram/㎡
TDL-MB NEEDLE PUNCHING CLEANING CLOTH PRODUCTION LINE

Application& characteristics
A carded and crosslaid batt is processed by one or multiple needle punching zones, or processed through an oven or stitching bonding machine if required based on the products and fiber types. The products are widely used for wipes, mop materials or similar products.

Main specifications
Raw materials: viscose fiber, low melting fiber, polyester, waste cotton fiber and etc.
Product net width: up to 3500mm (or wider depended on individual requirements)
Product weight: 80-250 gram/ m²

TDL-HY THERMAL-BONDED WADDING PRODUCTION LINE

Application& characteristics
The thermal bonded waddings production line uses low-melt or bi-component fiber mixed with normal fiber in properties to create stiff waddings, or such as foam replacements for cushion, mattresses, acoustic and insulation felt, etc. Also able to make soft wadding for interlinings such as home textiles, garments, furniture, toys etc.
The material after forming into a batt is passed through a thermal-bonded oven with stainless steel or Teflon belt dependent on the products. Where fitted the top belt is a moveable compression belt.
However, for soft waddings, e.g. lofty material below 1500 gram/m2, it is normal to use Teflon belts in the oven.
Main specifications
Product: stiff wadding & wadding
Product net width: up to 3000mm (or wider dependent on individual requirements)
Product weight: 100-9000 gram/m2
Product thickness: 3-200mm
Application & techniques:
We offer options of a carded and crosslaid forming line or an airlaid system for recycled felt before it is needleled or processed through an oven, depending on loft, thickness, hardness of the product and fiber types etc.

Main specifications
Product net width: 2500mm
Product weight: 100-2500gram/㎡