

CYLINDER-HEATED IRONER



TBI: Single-cylinder ironer
TBII: Double-cylinder ironer
TBIII: Triple-cylinder ironer

Flatwork Ironer

Cylinder Qty.: 1, 2 or 3

Steam Heating:

Ironing Width: 3000mm, 3300mm

Electrical Heating

Ironing Width: 2800mm, 3000mm

RELIABILITY DURABILITY COST EFFECTIVE

CREATING MORE VALUE FOR CUSTOMERS

- ⚙️ High quality stainless steel cylinders are utilized for the machine with the features of not only long and reliable serving life, but high heat transmission efficiency, which enables the surface temperature increase faster and improve significantly the ironing speed. The faster the ironing speed is, the more value is created for owners.
- ⚙️ Unique wrap angle up to 330 degree, max in domestic market, is designed to achieve bigger contact area between the cylinder surface and flatworks being ironed, which makes incomparable ironing quality and speed possible.
- ⚙️ Independent steam trap and manual valve for each heating cylinder ensure almost 100% saturated steam inside the cylinder and no condensate water left, providing high and consistent surface temperature, which is the guarantee for reliable and high quality ironing performance. This technology is able to avoid completely condensate water residual problem. The condensate water left inside the cylinder causes serious ironing problem of surface temperature drop, as well as additional burden to transmission system.



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HUMANITY DESIGN ENABLES EASY OPERATION, LESS TRAINING

- ❑ One knob is the all to run the machine through the adoption of VFD (variable frequency drive) technology. VFD provides totally variable speed throughout the entire speed range. Anyone who has skill of twisting the tap is able to finish all the ironing operation. The operator can adjust the machine speed through simple knob rotation to meet different textiles to be ironed, all other complicated jobs can be done by our VFD system.
- ❑ Principle of human engineering makes it possible for the machine to cater to most of the operators. The operation of 1350mm is the ideal solution to labor-saving and relaxed ironing job.
- ❑ The machine is equipped with safety switch to cut off the machine and protect operator's safety and owner's asset in case the finger safeguard board is pushed forward.
- ❑ Broad voltage design ensures the feasibility for the machine to run under the circumstance that external voltage varies. For many occasions the power supply varies due to some reasons, the machine is still able to provide excellent operation.
- ❑ Available LPG/Natural gas or pure electricity heated to meet your particular requirements.



STABLE AND RELIABLE OPERATION IS ACHIEVED

- ❖ NOMEX high temperature ironing belts withstand temperature of up to 200°C giving you improved quality and prolonging life of your machine. Comparing to the traditional ironer with separation pins, Little Duck ironer is equipped with additional supporting roller avoiding completely the wear of ironing belts which extends the serving life of belts significantly.
- ❖ Heavy duty frame structure of the machine provides superior strength ensuring stable operation for long time.
- ❖ Chain transmission system is utilized with the features of stable and low noise driving, which is easy to maintain and repair. Chain driving has incomparable advantages of precise transmission ratio, long life and reliability.
- ❖ Top brand revolving joints help to increase the stability and reliability of the machine.
- ❖ All feeding rollers are seamless stainless steel tube featuring small deformation and long life comparing to the welded tube. Zinc coating is applied to all pressure rollers increasing the capability of corrosion resisting tremendously.



STANDARD FEATURES

- Computer-controlled system for easy operation.
- Stainless steel drying cylinder featuring high heat-transmission efficiency and long serving life.
- Adjustable speed control to suit for different textiles.
- Max. wrap angle up to 330 degree achieving best ironing result.
- Independent steam trap for each cylinder improving significantly heat transmission and ironing speed.
- Top brand revolving joint ensuring stable and reliable operation.
- Low noise and reliable design by chain transmission.
- Heavy duty frame design providing stable running.
- Seamless tube for all deeding rollers ensuring small deformation and long life.
- Broad voltage design (+/- 10%) makes wide range of application possible.
- Finger safeguard board with safety switch protects operators from hurting.
- Ideal height design of 1350mm for people-friendly operation.
- Steam heating



OPTIONS

- Electrical heating
- LPG/Natural Gas heating

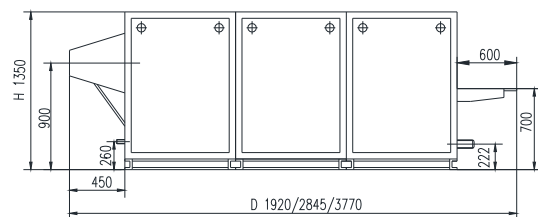
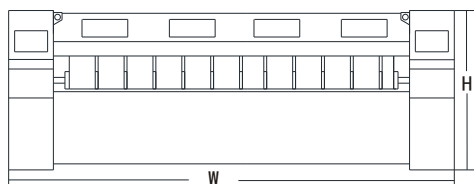
WARRANTY

LittleDuck provides 12 months warranty for the cylinder-heated ironers, starting from custom declaration date on China Port.

Specification for TB Series - Steam Heating Type

Model No.	Unit	TBI3000	TBII3000	TBIII3000	TBI3300	TBII3300	TBIII3300
CYLINDER							
Max. Ironing Width	mm	3000	3000	3000	3300	3300	3300
Ironing Speed	m/min	≤12	≤24	≤30	≤12	≤24	≤30
Cylinder Quantity		1	2	3	1	2	3
Cylinder Diameter	mm	800	800	800	800	800	800
Heating Type		steam	steam	steam	steam	steam	steam
STEAM							
Steam Pressure	Mpa	≤0.7	≤0.7	≤0.7	≤0.7	≤0.7	≤0.7
Steam Consumption	Kg/h	≤95	≤190	≤285	≤105	≤210	≤300
Steam Inlet	DN, mm	50	50	50	50	50	50
Drainage Outlet	DN, mm	25	25	25	25	25	25
POWER							
AC Voltage	V	380/415V	380/415V	380/415V	380/415	380/415V	380/415V
Line Frequency	Hz	50	50	50	50	50	50
Phase	P	3	3	3	3	3	3
Motor Power	kw	0.75	1.5	1.5	0.75	1.5	1.5
DIMENSION							
Width	mm	3800	3800	3800	4100	4100	4100
Depth	mm	1920	2845	3770	1920	2845	3770
Height	mm	1350	1350	1350	1350	1350	1350
Net Weight	Kg	1600	3200	4800	1650	3300	5000

All specifications subject to change without notice.

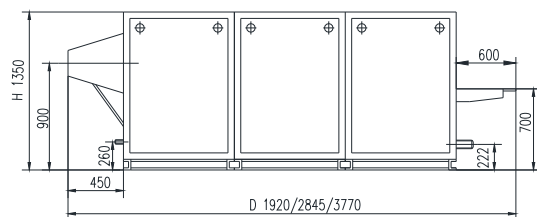
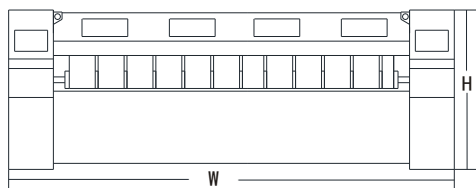


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Specification for TB*D Series - Electrical Heating Type

Model No.	Unit	TBI2800D	TBII2800D	TBI3000D	TBII3000D
CYLINDER					
Max. Ironing Width	mm	2800	2800	3000	3000
Ironing Speed	m/min	≤10	≤20	≤10	≤20
Cylinder Quantity		1	2	1	2
Cylinder Diameter	mm	800	800	800	800
Heating Type		Electrical	Electrical	Electrical	Electrical
POWER					
AC Voltage	V	380/415V	380/415V	380/415V	380/415V
Line Frequency	Hz	50	50	50	50
Phase	P	3	3	3	3
Motor Power	kw	0.75	1.5	0.75	1.5
Electrical Heater	Kw	36	72	36	72
DIMENSION					
Width	mm	3600	3600	3800	3800
Depth	mm	1920	2845	1920	2845
Height	mm	1350	1350	1350	1350
Net Weight	Kg	1400	2900	1500	3100

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CHEST-HEATED IRONER



Double Chest-heated Ironer

- YBII3000**
- YBII3000B**
- YBII3300B**
- TBII3000A**

- Flatwork Ironer
- Max. Ironing Width
3000mm
3300mm
- Chest Qty.: 2
- Steam Heating

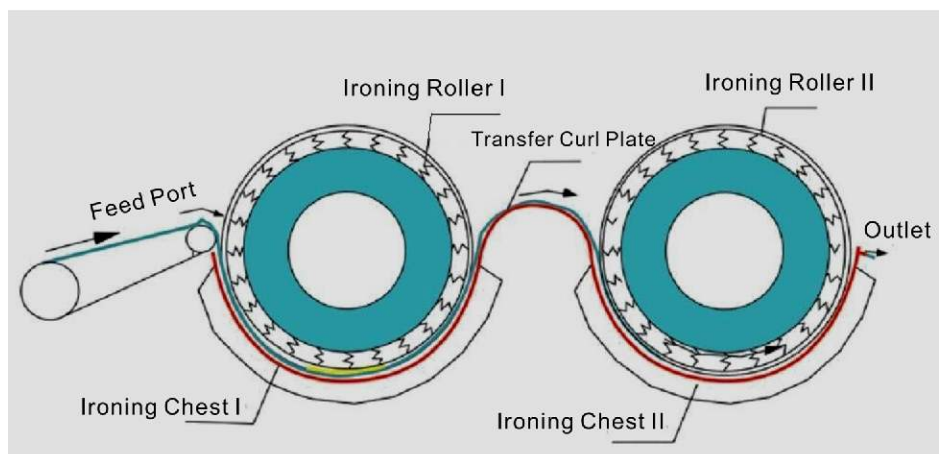
RELIABILITY DURABILITY COST EFFECTIVE

UNIQUE HEATING CHEST LEADS INDUSTRY DIRECTION

Little Duck chest-heated ironer utilizes unique heating chest featuring incomparable heat transfer efficiency and long serving life. Jacketed type chest delivers Little Duck machine excellent ironing performance. Comparing to the traditional segmental type, jacketed type chest has the obvious advantages of fast heat transfer and more uniform surface temperature which ensure fast ironing speed and excellent ironing results. In addition, jacketed

Type ironing chest has no hidden trouble of fouling, which is able to guarantee long serving life.

Big wrap angle is adopted in the design of heating chest providing more contact area with the textile being ironed. More efforts were put on the details regarding how to improve Little Duck machine's ironing results. The chest-heated ironer is trustable to be your business partner to develop high-end customers.



EXCELLENT IRONING PERFORMANCE MEETS HIGHER DEMANDING

- Imported spring and needle-punched padding provide ideal elasticity and rigidity, ensuring full contact between the chest ironing surface and the textile being ironed. Needle-punched padding has excellent function of air permeability which is able to improve the capability of discharging the humidity generated by the ironing process. Quality spring and padding are necessities besides jacketed type chest for outstanding ironing results.
- Transition arc plate connecting the two heating chests is designed with heating chamber. The connection arc plate is heated through out the whole ironing process and help to improve the heating result and the flatness of the textile.
- Independent steam trap design helps to discharge completely the condensate water inside the heating chest and then maintain very well the continuity of the surface temperature which is the guarantee for reliable and high quality ironing.
- Direct exhausting design with big wind pressure improves the discharging of humidity, facilitating the ironing cycle.
- Variable inverter makes the operation and adjustment simple, extensive applicability to different textiles being ironed. Applicable speed is achieved upon different textiles.



HUMANITY DESIGN FOR FRIENDLY AND SAFE OPERATION

- Little Duck chest-heated ironer is able to be connected with flatwork folder to increase the work efficiency tremendously. Quilt cover or bed sheet coming out from the ironing machine can go into flatwork folder directly eliminating the requirement of manual labor. Both machines will be controlled with the same step enabling the labor and cost save possible.
- Height of the machine caters to the principle of human engineering. In addition the tilting inlet is more convenient for feeding process.
- Chain transmission system provides reliable and stable driving with low noise as well as the advantage of easy maintenance.
- Safety switch and emergency stop button protect operators from getting hurt.
- Independent circuit breaker delivers over-loading protection to the machine.
- Pressure self-balancing design will protect reliably your machine in case the steam pressure exceeds its limit.

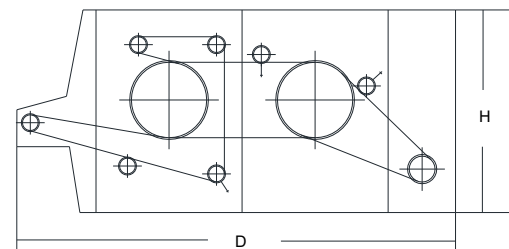
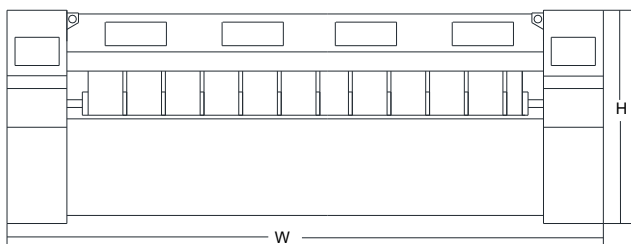
STANDARD FEATURES

- Computer-controlled system for easy operation;
- Unique design of steam path on chest with incomparable heat efficiency;
- Adjustable speed through variable frequency control;
- High ironing speed with top quality;
- Independent steam trap design with reliable condensate water drainage;
- Low noise and reliable design by chain transmission;
- Over-loading protection for motor and photoelectric safety device;
- Imported spring and needle-punched wool padding ensuring top ironing results;
- Direct exhausting design with big wind pressure improving the efficiency;
- Steaming heating.



WARRANTY

LittleDuck provides 12 months warranty for the chest-heated ironers, starting from custom declaration date on China Port.



Specification for Chest-heated Ironer

Model No.	Unit	YBII3000B	YBII3300B	YBII3000	TBII3000A
IRONING CHEST					
Ironing chest Qty.		2	2	2	1cylinder+1chest
Max ironing width	mm	3000	3300	3000	3000
Ironing speed	mm/min	5~30	5~30	5~30	≤20
Chest diameter	mm	2 x φ800	2 x φ800	2 x φ1000	φ800 cylinder
	mm				φ800 chest
Heating type		steam	steam	steam	steam
STEAM					
Steam pressure	Mpa	0.4~0.8	0.4~0.8	0.4~0.8	≤0.7
	Psi	58~116	58~116	58~116	≤101.5
Steam consumption	Kg/h	≤200	≤230	≤280	≤200
Steam pipe	mm	DN50	DN50	DN50	DN50
Drainage pipe	mm	DN25	DN25	DN25	DN25
COMPRESSED AIR					
Compressed air pressure	Mpa	0.7	0.7	0.7	0.7
	Psi	101.5	101.5	101.5	101.5
Compressed air inlet	mm	Φ8	Φ8	Φ8	Φ8
Compressed air consumption	L/h	100	120	120	50
Exhausting rate	m ³ /h	3124	3124	1562	1410
Air pressure	Kpa	1	1	0.7-1.0	2.1
POWER					
AC Voltage	V	380/415V	380/415V	380/415V	380/415V
Line Frequency	Hz	50	50	50	50
Phase	P	3	3	3	3
Motor power	Kw	5.5	5.5	11	4
Exhausting motor power	Kw	2x1.5	2x1.5	1.5	1.5
Dimensions					
Width mm	mm	4037	4337	4080	3957
Depth mm	mm	2965	2965	3630	2845
Height mm	mm	1400	1400	1750	1350
Net weight	Kg	5500	5900	7500	4100

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