

# YZI(D)-Q Series

## Forward-Feed and Forward-Discharge Roller Ironer

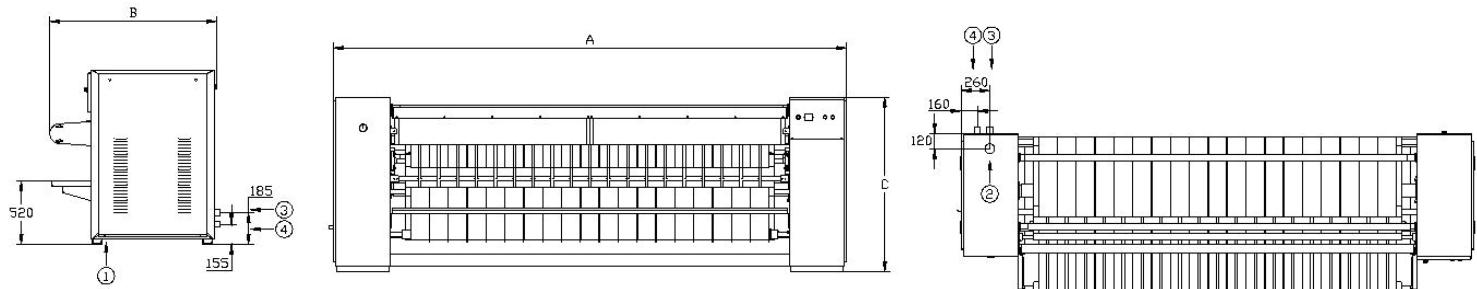


### Compact structure, saving space and reducing labor costs

Suitable for laundries, dry cleaning shops, hotels, motels, hospitals, nursing homes, ships, factories, and mines.

- Equipped with a single roller with a diameter of 800mm and ironing fabrics with of a width of 2.5m, 2.8m, 3m, and 3.3 m.
- Fabrics are put in and taken out from the front.
- Heating method: steam heating and electric heating.
- Rollers are made of 304 stainless steel, and the drive shaft uses precision-drawn steel pipes with galvanized surfaces, extending the machine's lifespan.
- The machine's side frames use 5mm thick steel plates welded together, ensuring high-efficiency and stable operation under heavy load.
- Equipped with frequency inverter, adjusting the speed according to the types of fabric .
- Belt tensioning system can adjust to the optimal condition according to energy supply and fabric thickness, improving ironing quality.
- A safety baffle is installed at the fabric feeding area; the machine will stop immediately if pushing the baffle, which ensures operator safety.
- The main roller's steam side has a lubrication oil injection device, ensuring lubrication of the main bearing.
- Equipped with an emergency stop switch.

### Appearance and design drawings (unit: mm)



## Specifications

Model	Unit	YZI2000Q	YZI2500Q	YZI2800Q	YZI3000Q	YZI3300Q	YDI2500Q	YDI2006Q	YDI-2800Q	YDI3000Q	YDI3300Q
Heating methods		Steam heating						Electrical heating			
Roller Qty	pcs	1	1	1	1	1	1	1	-	1	1
Roller Dia	mm	800	800	800	800	800	800	800	-	800	800
Workingwidth	mm	2000	2500	2800	3000	3300	2500	2800	-	3300	3300
Ironing speed	m/min	0-10	0-10	0-10	0-10	0-10	0-10	0-10	-	0-10	0-10
Operating Pressure	kg/cm <sup>2</sup>	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	-	-	-	-	-
Steam consumption	kg/h	100	100	110	120	130	-	-	-	-	-
Connection Method		380V/3N									
Power	kw	1.5	1.5	1.5	1.5	1.5	25.5	25.5	25.5	31.5	31.5
Weight	kg	1600	1600	1650	1700	1750	1600	1650	1650	1700	1750
Width of machine A	mm	3700	3700	4000	4200	4500	3700	4000	4000	4200	4500
Width of machine B	mm	1360	1360	1360	1360	1360	1360	1360	1360	1360	1360
Width of machine C	mm	1420	1420	1420	1420	1420	1420	1420	1420	1420	1420
Connection Diameter	dn	-	DN40	DN40	DN40	DN40	-	-	-	-	-
Return Diameter	dn	-	DN20	DN20	DN20	DN20	-	-	-	-	-

## Specifications of pipes and wires

Models	①		②		③		④	
	Power inlet		Upper steam inlet (optional)		Steam inlet		Steam trap outlet	
YZI3300Q	Φ28		ZG11/2"		ZG11/2"		ZG3/4"	
YZI3000Q	Φ28		ZG11/2"		ZG11/2"		ZG3/4"	
YZI2800Q	Φ28		ZG11/2"		ZG11/2"		ZG3/4"	
YZI2500Q	Φ28		ZG11/2"		ZG11/2"		ZG3/4"	

## Specifications of components

Name	Material/Brand	Notes	Origin	Name	Material/Brand	Notes	Origin
Side Frames	A3	5mm thickness; laser-cut or sprayed	China	Connection Terminals	Phoenix		German
Drive Shaft	Stainless steel composite fine-drawn tube	4mm thickness; Stainless steel tubes clad in rolling process for outer layer	China	Conveyor Belt	Anti-static belt	150×3mm	China
Frequency Inverter	MAXAUTO		joint venture	Roller	Stainless Steel	800mm dia, 4 pipe wall thickness, design pressure 0.8MPa	Sheyang Zhihe Machinery Co., Ltd
Emergency Stop Switch	Schneider		joint venture	Rotary joint	Minxuan		Fujian province, China
Variable Frequency Motor	Haiguang		China	Safety Valve	Yongshang Valve	Calibration 0.65MPa	Shanghai, China
Gearbox	Goldgun		China	Drain Valve	Bell-type		Natong Moonlight
Main Bearing	Wafangdian	22218WAC	China	Safety Switch	Schneider		joint venture
Additional Bearing	TR						

# Y Series

## Professional-grade roller flattening machine



Professional Create Value



### Technical performance and characteristics of ironers with gas heating

- YR series gas roller ironers consists of transmission parts, left and right boxes, ironing rollers, ironing belt transmission shaft, ironing conveyor belt, gas system, electrical control system, exhaust system, etc.
- The transmission components mainly include frequency converter, motor, worm gear reducer, sprocket, chain, etc. The ironing speed can be reasonably adjusted according to the thickness of the ironed fabric and the gas combustion supply status.
- The left and right boxes use frame structure, and the transmission mechanism, gas system, electrical box, etc. are installed in the box.
- The roller is made of high-quality stainless steel with a polished surface, which can iron fabrics evenly and efficiently. For multi-roller ironing machines, the rollers are connected in an assembled form.
- Ironing conveyor belts are mostly processed by high temperature shaping and anti-static treatment, with small expansion and deformation during operation and good anti-static performance.
- The function of the exhaust system is to draw in fresh air in time and exhaust the unburned mixed gas to ensure that the inside of the ironing roller is in a safe state.
- The electrical control of this machine adopts variable frequency speed regulation, which has the advantages of smooth speed regulation, small slip rate, low energy consumption, small size and easy operation.

# Professional Create Vaule

There are many kinds of ironers to choose. The ironers with roller diameter of 800mm have 1 to 6 rollers and ironing widths of 2.5m, 2.8m, 3m, and 3.3m to choose. Heating methods: steam heating, electric heating and gas heating.

## Technical performance and characteristics of ironers with steam and electric heating



Operation panel



Safety emergency stop switch

- The rollers are all made of 304 stainless steel, and the transmission shaft is made of precision drawn steel pipe with stainless steel pipe as outer cover, which greatly prolongs the service life of the whole machine.
- The frame boxes on both sides of the ironing machine are welded with high-strength and high-quality steel plates, thus ensuring efficient and stable operation of the equipment when it is running under high load.
- Adopting frequency conversion control, the speed can be adjusted according to different linens.
- Equipped with an automatic conveyor belt tensioning mechanism, it can automatically tighten the conveyor belt to the optimal state according to conditions such as energy supply and fabric thickness, thereby improving ironing quality.
- A safety baffle is installed at the cloth feeding area. Once the baffle is pushed, the equipment will stop immediately to ensure the safety of the operator.
- Modular box design allows the machine to be easily upgraded with the number of rollers according to customer requirements.
- The steam end of the large roller is equipped with a lubricating oil filling device to ensure the lubrication of the main bearing.
- Equipped with safety emergency stop switch.
- Optional accessories: The cloth feeding table and cloth receiving table of the ironing machine can be selected according to the different requirements of clients.



# Specification of ironers

Professional Create Vaule

## The parameters of ironers with steam heating

Model Parameters	Unit	YZI2500	YZI2800	YZI3000	YZI3300	YZII-2500	YZII-2800	YZII3000	YZII3300	YZIII3000	YZIII3300	YZIV3000	YZIV3300	YZV3000	YZV3300	YZVI3000	YZVI3300
Number of rollers	pcs	-	-	1	1	-	-	2	2	3	3	4	4	5	5	-	-
Drum diameter	mm	-	-	Φ800	Φ800	-	-	Φ800	-	-							
Working width	mm	-	-	3000	3300	-	-	3000	3300	3000	3300	3000	3300	3000	3300	-	-
Ironing speed	m/min	-	-	0-10	0-10	-	-	0-20	0-20	0-25	0-25	0-35	0-35	0-35	0-35	-	-
Operating Pressure	kg/cm <sup>2</sup>	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)	(4-6)
Steam consumption	kg/h	100	110	120	130	200	220	240	260	320	345	440	475	560	605	660	700
power	kW	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Electric current	A	-	-	4.2	4.2	-	-	4.2	4.2	6	6	6	6	6	6	-	-
Connection Method	V/N	380V/3N															
Weight	kg	1380	1430	1470	1520	2380	2430	2560	2770	3640	3990	4720	5210	5800	6430	6880	7650
Connection Diameter	DN	DN40															
Return Diameter	DN	DN20															
Dimensions	Width×Depth×Height	3700×1435×1420	4000×1435×1420	4200×1435×1420	4500×1435×1420	3700×2385×1420	4000×2385×1420	4200×2385×1420	4500×2385×1420	4200×3335×1420	4500×3335×1420	4200×4285×1420	4500×4285×1420	4200×5235×1420	4500×5235×1420	4200×6185×1420	4500×6185×1420

## The parameters of ironers with gas heating

Model Parameters	Unit	YRI3000	YRI3300	YRII3000	YRII3300	YRIII3000	YRIII3300	YRIV3000	YRIV3300	YRV3000	YRV3300
Number of rollers	pcs	1	2	2	2	3	3	4	4	5	5
Drum diameter	mm	Φ800									
Working width	mm	3000	3300	3000	3300	3000	3300	3000	3300	3000	3300
Ironing speed	m/min	0-10	0-10	0-20	0-20	0-25	0-25	0-35	0-35	0-35	0-35
Power	kW	1.6	1.6	1.7	1.7	2.5	2.5	2.6	2.6	2.7	2.7
Electric current	A	4.2	4.2	4.5	4.5	6.6	6.6	6.9	6.9	7.2	7.2
Operating Pressure	kg/cm <sup>2</sup>	0.1-1	0.1-1	0.1-1	0.1-1	0.1-1	0.1-1	0.1-1	0.1-1	0.1-1	0.1-1
Consumption	m <sup>3</sup> /h	6	6	12	12	18	18	24	24	30	30
Weight	kg	1950	2050	3580	3780	5240	5540	6900	7300	8500	9000
Natural gas Connection Diameter	dn	DN40									
Exhaust Connection Diameter	dn	Φ100	Φ100	Φ100X2	Φ100X2	Φ100X3	Φ100X3	Φ100X4	Φ100X4	Φ100X5	Φ100X5
Connection Method	v/n	380V/3N									
Dimensions	Width×Depth×Height	4200×1435×1420	4500×1435×1420	4200×2385×1420	4500×2385×1420	4200×3335×1420	4500×3335×1420	4200×4285×1420	4500×4285×1420	4200×5235×1420	4500×5235×1420

## the parameters of ironers with electrical heating

Model Parameters	Unit	YDI2500	YDI2800	YDI3000	YDI3300	YDII-2500	YDII-2800	YDII3000	YDII3300	YDIII-3000	YDIII-3300	YDIV3000
Number of rollers	pcs	1	1	1	1	-	-	2	2	3	-	4
Drum diameter	mm	Φ800	Φ800	Φ800	Φ800	-	-	Φ800	Φ800	Φ800	-	Φ800
Working width	mm	2500	2800	3000	3300	-	-	3000	3300	3300	-	3300
Ironing speed	m/min	0-15	0-15	0-15	0-15	-	-	0-20	0-20	0-20	-	0-20
Heating power	kW	24	28	30	34	-	-	60	68	90	-	120
Motor power	kW	1.5	1.5	1.5	1.5	-	-	1.5	1.5	2.2	-	2.2
Power	kW	25.5	25.5	31.5	31.5	49.5	49.5	61.5	61.5	92.2	92.2	-
Connection Method	V/N	380V/3N										
Weight	kg	1380	1430	1470	1520	2380	2430	2560	2770	3640	3990	5470
Dimensions	Width×Depth×Height	3700×1435×1420	4000×1435×1420	4200×1435×1420	4500×1435×1420	4200×2385×1420	4500×2385×1420	4200×3335×1420	4500×3335×1420	4200×4285×1420	4500×4285×1420	4500×5235×1420
Weight of package	crate	70	75	75	80	-	-	110	120	165	-	180

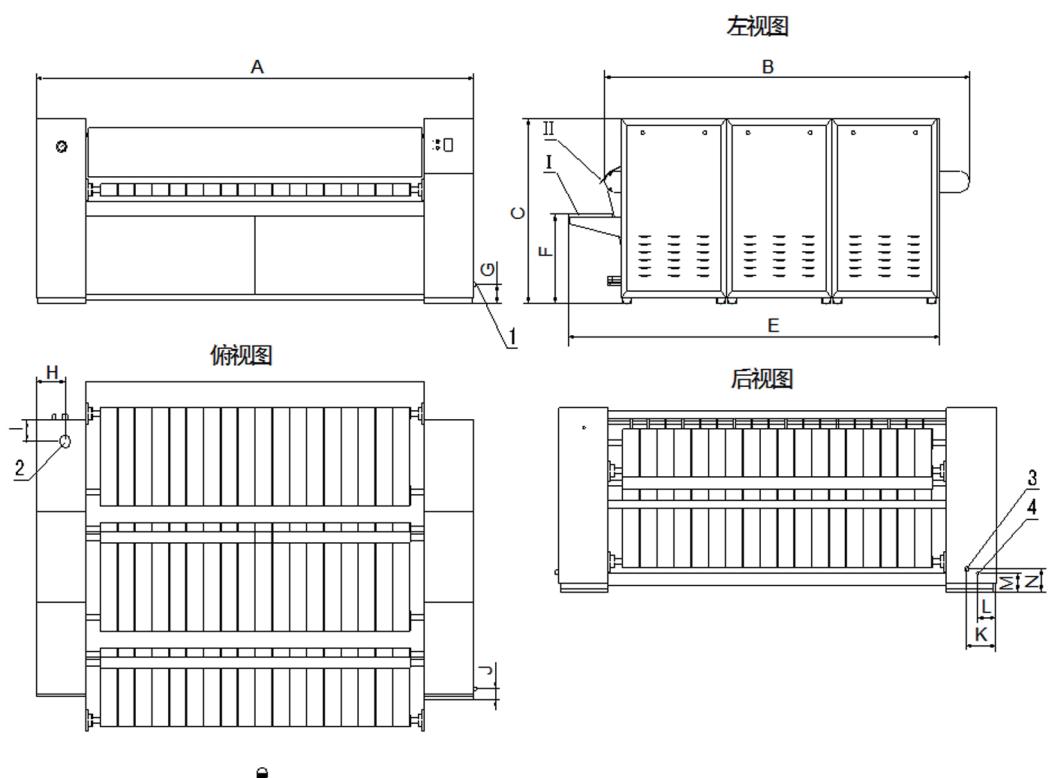
## Technical parameters and Installation information

### Notice:

1. The manufacturer reserves the right to change the installation without prior notice.
2. The dimension deviation range shown in the figure is  $\pm 10\text{mm}$ .
3. For connection information, please refer to the diagram and list.
4. Export equipment can be customized according to the power requirements of different regions.
5. For more detailed information, please contact the manufacturer.

### The parameters of ironers with steam heating

Model	Dimensions mm	A	B	C	E	F	G	H	I	J	K	L	M	N
YZV3300		4500	5235	1420	4790	725	60	340	155	120	260	160	155	185
YZV3000		4200	5235	1420	4790	725	60	340	155	120	260	160	155	185
YZIV3300		4500	4285	1420	4790	725	60	340	155	120	260	160	155	185
YZIV3000		4200	4285	1420	4790	725	60	340	155	120	260	160	155	185
YZIII3300		4500	3335	1420	3840	725	60	340	155	120	260	160	155	185
YZIII3000		4200	3335	1420	3840	725	60	340	155	120	260	160	155	185
YZII3300		4500	2385	1420	2890	725	60	340	155	120	260	160	155	185
YZII3000		4200	2385	1420	2890	725	60	340	155	120	260	160	155	185
YZII2800		4000	2385	1420	2890	725	60	340	155	120	260	160	155	185
YZII2500		3700	2385	1420	2890	725	60	340	155	120	260	160	155	185
YZI3300		4500	1435	1420	1940	725	60			120	260	160	155	185
YZI3000		4200	1435	1420	1940	725	60			120	260	160	155	185
YZI2800		4000	1435	1420	1940	725	60			120	260	160	155	185
YZI2500		3700	1435	1420	1940	725	60			120	260	160	155	185



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