



PRACHITIRTH™ Commercial flatwork ironer is a single & multi roller industrial high productivity deep chest ironers for demanding commercial, industrial, healthcare and hospitals laundries. PRACHITIRTH™ electrical & steam heated ironers are solid build units designed to guarantee at all times high productivity at a high-quality level.

Industrial chest type ironer with fixed roll and pneumatic movable chest. It has uniform pressure throughout the entire width ensuring high ironing quality. A simple and reliable drive ensures easy operation and hassle free maintenance. Imported padding comes standard with all models and ensures a uniform roll and chest contact. Removal of moisture is controlled by a powerful suction fan. Rockwool insulation ensures minimum heat loss and increases thermal output significantly.

Optional Spring press padding as per customer requirement

Features

- Electrical / Steam heating
- Very low power and steam consumption
- Variable speed drive with soft - start
- Speed control with digital read out
- Electronic temperature control with digital read out
- Pneumatically controlled compression chest with automatic pressure adjustment
- Electrical and mechanical protection devices
- Three phase electrical service
- High polished heated chest
- Lift off interlocked panels for easy maintenance
- Independent suction fans for moisture evaporation
- Powerful exhaust blower

Features & Benefits

- One piece super flexible laser welding chests with 278°, 3/4 wrap up the roll for optimal ironing contact
- Self-adjusted chest applies pressure always equally over entire width and length of the roll that makes linen being ironed equal quality
- Perforated steel roll with imported padding
- High quality electrical / steam heated chest with large heating area
- Powerful exhaust fan for fast moisture removal
- Fully enclosed planetary gearbox mounted directly onto the roll
- Variable speed by frequency inverter drive
- Ultra high ironing speed
- Control speed regulation
- Individual pressure adjustment through pneumatic cylinders for left and right side improve ironing quality
- Chest isolated by Rockwool to prevent heat loss



Flat Work Ironer (Chest Heated)



Chests

Chest's designed to be operated under high steam pressures (12 bars) never dilated or transformed due to high pressures. Chest surfaces are extremely polished where coming into contact with linens. Heat insulated outer side of chests provides all generated steam to be directed onto the rolls without any loss.

Bridges

In multi roll ironers, specially designed and polished bridges are used for transporting the linens from one chest to other which are placed in between. Mentioned bridges are heated with steam as well as chests.

Control

Simply designed control panel allows the operators to control all functions easily and quickly. Speed adjustment between 0-25 m/min is controlled by just turning a button on. Temperature of the chests and vacuumed exhaust air from rolls are displayed digitally. Upon temperature of exhaust air increases or decreases, operator is able to raise or cut down the vacuum by just turning a button on or off. In case of power cuts or emergency stops, rolls clear off from the chest surfaces in order to prevent any damages.

Hand Protection

A safety guard that protects the operators from contacting high temperature surfaces during manual feeding. Besides, it saves the operators to be disturbed from the evaporation of ironed linens.

Vacuumed Aspiration

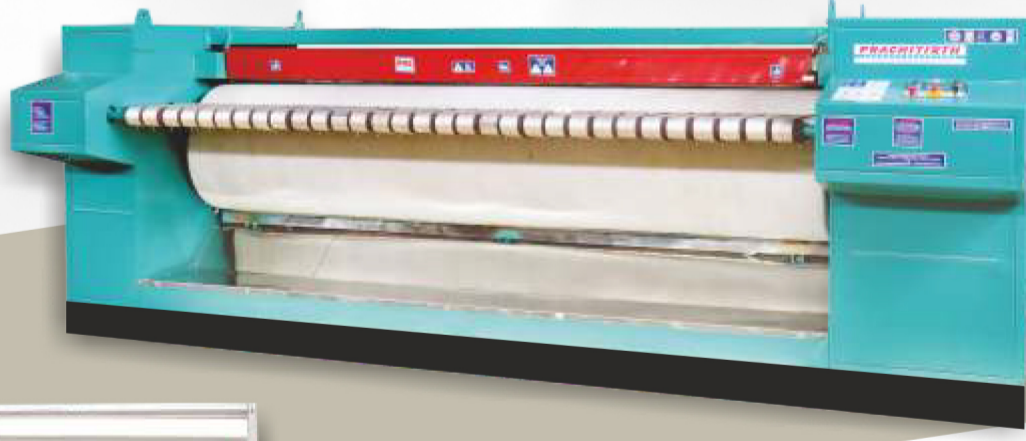
During the operation, a vacuum from outside to inside of perforated rolls is composed in order to capture the humidity of linens. Humidity evaporated with the heat of chests is drained out by the fan motor which generated the vacuum to saving the energy also.

Drive System

Constitutes number of motors according to number of rolls where system is operated with gearbox and belts. Improved safety consistency eliminates the needs of service for a long time.

Safety Guard

A safety guard that protects the operators from contacting high temperature surfaces during manual feeding. Besides, it saves the operators to be disturbed from the evaporation of ironed linens.



TECHNICAL SPECIFICATIONS

Model	No. Of Rolls	Roller Size mm/inch	Drive Motor Kw	Sanction Motor Kw	Roller Speed	Air Outlet mm	Electrical Heating Kw	Steam Connection & Consumption	Steam Outlet	Compressed Air Conn. mm	Dimensions (W x D x H) mm	Net Weight / Shipping Wt
FWI 10	1	∅ 250 X 1800 10" X 72"	0.75	0.75	2 to 9 Mtr (Variable)	75	10 Kw	N/A	20mm	N/A	2650 X 1050 X 1200	450Kg / 600 Kg
FWI 18	1	∅ 450 X 1800 18" X 72"	1.1	1.1	2 to 9 Mtr (Variable)	75	16 to 20 Kw	0.25mm BSP 35Kg/hr	25mm	12	2850 X 1100 X 1200	900Kg / 1100 Kg
FWI 24	1	∅ 600 X 1800 24" X 72"	2.2	1.1	3 to 12 Mtr (Variable)	100	18 to 22 Kw	0.25mm BSP 42Kg/hr	25mm	12	2850 X 1350 X 1250	1100Kg / 1350 Kg
FWI 24 SE	1	∅ 600 X 2200 24" X 86"	2.5	1.5	3 to 12 Mtr (Variable)	100	18 to 22 Kw	0.25mm BSP 50Kg/hr	25mm	12	3360 X 1400 X 1350	1560Kg / 1800 Kg
FWI 24 EX	1	∅ 600 X 3000 24" X 118"	3.7	2.2	2 to 15 Mtr (Variable)	100	26 to 34 Kw	0.25mm BSP 60Kg/hr	25mm	12	3885 X 1400 X 1250	2450Kg / 2750 Kg
FWI 36	1	∅ 850 X 3300 33" X 129"	5.5	3.7	3 to 12 Mtr (Variable)	120	N/A	0.25mm BSP 150Kg/hr	38mm	12	4200 X 1500 X 1350	4650Kg / 5190 Kg
FWI 36 EX	2	∅ 850 X 3300 33" X 129"	7.5	3.7 2 Nos	3 to 25 Mtr (Variable)	100 2 Nos	N/A	0.25mm BSP 325Kg/hr	38mm	12	4800 X 2950 X 1720	8780Kg / 9540 Kg

Consumption & Electric loads are primarily for the purpose of designing utilities. All dimensions are in mm. Standard machines operate on 415v ± 5%, 3 Phase, 50 Hz, Ac electric supply. Specifications mentioned above are subject to change without notice.

