



# IM Series

Deep Chest Ironer  
**Model 800/1200 x 3000**





# IM Series - Multiroll

## The IM Series - Multi Roll Industrial High Productivity Deep Chest Ironers for the Demanding Commercial, Industrial, Health Care and Hospital Laundries

### Built to Last - Protecting Your Investment

Our high productivity deep chest flatwork ironers offer you an excellent combination of efficiency, quality and convenience, making it the finest flatwork ironer available. The IM series ironers are a proven line of machines used in professional laundries around the world. Available 800 and 1200 mm (32 and 48 inches) rollers make processing your flat goods quick and efficient. The ability to add rollers later as you need them (up to 4 total) allow you to process up to 500 kg (1000 lbs) of linen per hour. The 3000 mm (118 inch) roll width means you can process the largest and width of goods. The flatwork ironer can easily be interfaced with any feeding or folding machine for further efficiency gains. Only the finest material and components are used in the machine making it very reliable and long lasting. Complete protection with finger guards, emergency stops, front and back and safety labels make this models one of the safest in the market. The installation and maintenance of the machine are very easy. The investment in this advanced but simple and reliable machine is quite low. Discover this fine product and save on your operation cost and increase your productivity. We guarantee this machine is the most economical and has the lowest cost over the life than any other comparable ironer. You will get the best for less.

- Heated gap pieces are used as bridges to connect rolls. The gap pieces of the IM series are steam heated to attain optimal outcome. The heated gap piece is unique - many manufacturers do not heat the gap piece because it is very difficult to make properly, and takes a significant amount of effort.
- Independent suction fans for moisture evaporation. This is beneficial because the moisture remaining in each roll will be evaporated more efficiently than with a single centralized fan.
- As energy saving is always a crucial concern, we ensure that our steam trap and piping system is efficiently installed in order for our ironer to be one of the most energy efficient ironers on the market.

### Easy to Use Controls and a High Efficiency Inverter Drive for Flexibility

The IM series is equipped with a simple-to-use control that provides precise temperature regulation. The temperatures are shown on a digital readout. The electronic temperature control provides for adjustment of the ironing temperature at any time during operation. A standard high efficiency variable speed inverter controls the speed in an extended speed range to suit today's wide variety of fabrics and moisture retentions. The speed is display on a digital readout and can be adjusted at any time during operation. The variable speed drive provides a soft start that reduces the stress on drive components including gears, belts, bearings and shafts. The control panel is equipped with air pressure gauge, steam pressure gauge, hour meter, roll up and down push button controls, exhaust system control and main roller drive control. The speed is fully adjustable through the use of one single AC variable frequency inverter drive. There is no need for expensive drives on each roller when one can do it all.



# Industrial High Productivity Ironing Solutions

## Highest Level of Safety

State-of-the art design ensures conformity to world safety standards. The controls are simple yet versatile and has all the safety features that are required to protect the machine and the operator. Features such as electrical circuit protection, emergency stops around the machine, safety labels and hand guard with double safety across the full width of ironer create peace of mind and long life with less maintenance. Rolls are stopped, lifted and locked in the raised position when electrical power is interrupted or safety finger guard is activated. Environmentally safe temperature resistant textile padding and straps are used. A full size canopy for energy saving and elimination of radiant heat is optionally available.

A buzzing signal is provided at the front and the back when the operator at the front wants to warn or remind the helpers working at the back when the machine is started or stopped.

## The Benefit of Ironing and B&C Total Solutions

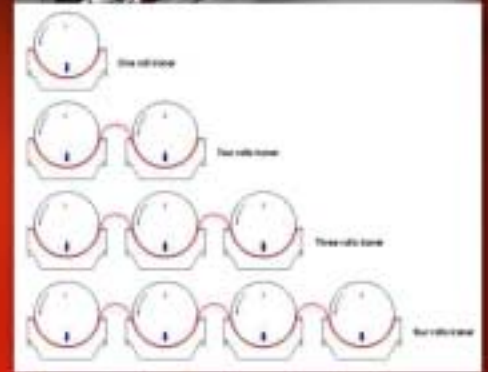
Discover the affordable alternative and enjoy quality, reliability and trouble free operation. Several factors can significantly affect the laundry equipments performance and operational throughput as well as the quality of the linen being cleaned and finished in the laundry process.

Using high-speed washer-extractors in combination with ironers from B&C Technologies improves production and quality. The most efficient way of removing moisture from linen is high extraction and ironing. Our ironers are built to handle the linen direct from our washers.

This is the most economical way of producing high quality work at the lowest cost, as it will save energy, time and labor. In addition the capital expenses for IM ironers are significantly lower making it the best for less. The IM ironer is designed for simplicity without complicated controls and devices that can go wrong and stop production.

Discover the features and the value of the IM series ironers and other products. We have an ironer or products for any laundry application, from a family drycleaning-laundry operation to a large industrial high productivity operation. One stop purchase for your laundry equipment needs will benefit you most.

Our ironers will provide the finest quality. There is no substitute for the appearance and feel that only crisply ironed table linen, napkins, pillowcases or sheets can provide. Ironed linen conveys a message of first class quality and cleanliness. Linen that is tumble dried only often gives the impression that it has already been used by a previous guest.



## Dependable Drive System - Powerful Evaporation - Easy Maintenance

V-belt drive system with advanced soft start AC variable frequency inverter for smooth operation. Heavy-duty reliable gear reducers are used for each roller. Each roller has its own powerful independent suction fan for evaporation of the moisture. The IM ironers are available with one, two, three or four roll modular steam heated ironing sections. The first roll in the IM ironer has an accelerated condensate removal system for maximum thermal efficiency and performance that significantly saves energy and speed up production. Pendant jog control simplifies padding maintenance.

# Specifications

MODEL	US	Metric	800X3000				1200X3000		
			800X3000X1	800X3000X2	800X3000X3	800X3000X4	1200X3000X1	1200X3000X2	1200X3000X3
Number of Rolls	roll		1	2	3	4	1	2	3
Roller Diameter	Inch	mm.	31.5 (800)	31.5 (800)	31.5 (800)	31.5 (800)	47.2 (1200)	47.2 (1200)	47.2 (1200)
Working Width	Inch	mm.	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)	118.1 (3000)
Speed Range	ft/min	M/min	7-35 (2-10.6)	8-80 (2.4-24.3)	15-100 (5-30)	25-150 (7.6-45)	8-80 (2.6-25)	15-100 (5-30)	25-150 (7.5-45)
<b>OVERALL DIMENSIONS :</b>									
A - Width	Inch	mm.	176.8 (4490)	176.8 (4490)	176.8 (4490)	176.8 (4490)	183 (4650)	183 (4650)	183 (4650)
B - Depth	Inch	mm.	89.4 (2270)	137.2 (3485)	185.2 (4705)	233.3 (5925)	103.2 (2622)	166.9 (4238)	230.5 (5854)
C - Height	Inch	mm.	70.1 (1780)	70.1 (1780)	70.1 (1780)	70.1 (1780)	74.4 (1890)	74.4 (1890)	74.4 (1890)
<b>AIR SYSTEM :</b>									
Air Flow	Cfm	Cmm.	635.6 (18)	1271.2 (36)	1906.8 (54)	2542.4 (72)	1059.3 (30)	2118.6 (60)	3177.9 (90)
Exhaust Dust	Inch	mm.	8 (203.2)	8 (203.2)	11 (279.4)	11 (279.4)	8 (203.2)	8 (203.2)	11 (279.4)
Air Inlet	Inch	mm.	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)
Air Vent	Inch	mm.	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)	1/2" (12.7)
<b>MOTOR :</b>									
Drive Motor	HP	kW	5 (3.75)	10 (7.5)	15 (11.25)	20 (15)	10 (7.5)	20 (15)	25 (18.5)
Blower Motor	HP	kW	0.7 (0.62)	1.4 (1.04)	2.1 (1.56)	2.8 (2.08)	1.6 (1.2)	3.2 (2.4)	4.8 (3.6)
<b>ELECTRICAL REQUIREMENT :</b>									
Power Source	220/380/415V.,220/440V./3Ph.						220/380/415V.,220/440V./3Ph.		
Frequency	50/60 Hz.						50/60 Hz.		
<b>STEAM :</b>									
Steam Consumption	BHP		15	25	35	45	20	35	45
Steam Pressure	psi	kgf/cm <sup>2</sup>	90-150 (6.2-10.35)	90-150 (6.2-10.35)	90-150 (6.2-10.35)	90-150 (6.2-10.35)	90-150 (6.2-10.35)	90-150 (6.2-10.35)	90-150 (6.2-10.35)
Steam Inlet	Inch	mm.	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)	2" (50.8)
Steam Outlet	Inch	mm.	1 1/2" (38.1)	1 1/2" (38.1)	1 1/2" (38.1)	1 1/2" (38.1)	1 1/2" (38.1)	1 1/2" (38.1)	1 1/2" (38.1)
<b>GAS :</b>									
Gas Inlet	Inch	mm.	1" (25.4)	1" (25.4)	-	-	1 1/4" (31.75)	-	-
<b>WEIGHT AND SHIPPING :</b>									
Net Weight	Lbs.	Kg.	6272 (2844)	12544 (5688)	18860 (8553)	25176 (11418)	8154 (3640)	9464 (7280)	24519 (10946)
Domestic Shipping Weight	Lbs.	Kg.	6712 (3044)	13093 (5938)	15921 (8853)	25948 (11768)	8644 (3920)	16824 (7630)	25062 (11366)

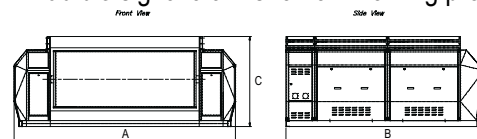
Specification and Design subject to change without notice  
Additional options : Consult factory or distributor

## Standard Features :

- S**team heating
- V**ariable speed drive with soft-start
- S**peed control with digital read out
- E**lectronic temperature control with digital read out
- P**neumatically controlled compression rolls with automatic pressure adjustment
- R**oll can be raised and locked pneumatically in an extra wide position for easy maintenance
- E**lectrical and mechanical protection devices
- T**hree phase electrical service
- H**igh polished heated chest
- L**ift of interlocked panels for easy maintenance
- I**ndependent suction fans for moisture evaporation
- S**ignal lamps indicating machine operational status
- L**ow working pressure signal lamp

## Optional Features :

- C**ustom made features as required
- 4** rolls configuration
- C**anopy for energy saving and elimination of radiant heat
- N**omex padding for longer life
- H**ot oil heated
- 3000, 3300, 4000** mm. widths
- A**udible signal alarms for low working pressure



Conforms to all applicable US and Canadian safety standards.

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