



IRONING

CHEST SERIES

# POWERHOUSE HI•Q

HIGH QUALITY  
DEEP CHEST IRONER  
WITH SPECIALIZED  
LINEN TREATMENT  
FEATURES FOR  
SUPERIOR  
FINISHING



CHICAGO



## HOW IT WORKS

POWERHOUSE HI•Q is customized to produce the highest quality finished linen and provide the excellence in presentation your premium customer expects. It is based on the same principles that have made Chicago's original Powerhouse the industry's most popular, productive, and efficient deep chest ironer.

## KEY CHICAGO® ADVANTAGES

### Quality control!

Powerhouse Hi•Q is designed for enhanced control of not only the heat, but also the speed and feeding flexibility that operators appreciate so they can efficiently and consistently produce outstanding quality. The result is precision finishing over a widespread variety of cotton, blended, polyester and other specialty fabrics and high-end linen. No ironing guide tapes are used, ensuring the highest quality finished output.



### Advanced heating technology!

Chicago's industry-leading heating technology is supplied by the world's premier designer of OEM burner and heat exchanger systems. Customized on-board combustion technology, industrial grade burner and three-pass heat

exchanger offer more surface area contact in a compact premium unit for reliable, clean and highly efficient even heating. This ironing method has more available BTU's of drying power than any other heat source for higher ironing temperatures, faster heat recovery, and more economical operation.

## FEATURES

### VacFeed Extended Deep Input Conveyor

Powerful built-in vacuum system works in conjunction with perforated feed ribbons to facilitate top quality leading and trailing edges with less operator effort. Perforated ribbons hold the leading edge in place, while the specially designed vacuum chamber gently holds, agitates, and smooths the entire linen item. The contoured table guides and holds the trailing edge all the way through the process. The result is a properly fed piece presented to the ironer optimally positioned for the highest quality finish.

### Foot Pedal Pause

Allows operators to momentarily pause the input conveyor, providing extra time when needed to straighten a leading edge, position a large banquet round, or inspect an item for quality assurance. This ensures the ideal feed for even the most demanding linen type—all without stopping the rest of the ironer as it continues to process the previous piece.



## Filtered Combustion Air Intake

The easy-access air filter brings clean ambient air into the combustion system for optimal burner efficiency and reduces maintenance by minimizing lint in the burner.

## Elongated Delivery Conveyor

As finished linen exits, flexible linen guides direct the product to the elongated delivery conveyor.

The extra depth allows crisply finished linen to cool adequately and provides time for additional inspection as necessary. Once it reaches the receiving table, it will be comfortable to handle for careful hanging or folding and stacking.



# WHY CHICAGO

## HIGH EFFICIENCY

- Pinpoint heat control is achieved through the industry's best heating system, customized for Chicago ironers, combined with an efficient high-velocity flow of environmentally friendly thermal fluid throughout the heated surface.
- The combustion system is inverter controlled for optimum air/gas mixture, resulting in maximum efficiency and reduced gas consumption, and an available on-board diagnostics system provides ready analysis of system performance.
- Burner modulation activity is synchronized with the ironer's actual current speed and evaporation rate for highest efficiency and capacity.
- Insulated canopy retains heat inside the ironer for better energy efficiency, protecting the ironing area, and improving laundry environment.

## RELIABILITY

- Padded and spring-pressured roll is positioned pneumatically without the use of troublesome hydraulic oil mechanisms.
- Premium high air permeable textiles are used throughout the ironer and are readily available for prompt replacement as needed through the ironer's long useful life.
- Advanced Chi-drive direct drive eliminates the need for mechanical belts and pulleys.
- Optional electronic sensors monitor linen flow and detect jams or interruptions to assure proper operation.

## SAFETY

- Oversized ASME certified and stamped steel heated chest and ASME approved heat exchanger and system.
- Complete protection with safety finger guards, 24 volt control circuits, stop buttons and bilingual/pictorial safety labels.
- Rolls are stopped, lifted and locked in raised position when electrical power is interrupted or safety finger guard is pushed.
- Interlocked door panels and stop switches located around the ironer.

