

ADVANCED IRONER DELIVERS SUPERIOR PRODUCTIVITY, EFFICIENCY AND QUALITY RESULTS

LavaRoll FL80

FL80 Flatwork Ironers boast highly flexible controls, superior efficiency, high-speed ironing and unrivaled durability. Engineered to catapult productivity at high-volume laundries, FL80 Ironers deliver exclusive features, rigid-chest technology and remote diagnostics. Available in natural gas, steam and thermal fluid heat sources, FL80 Ironers deliver superior results.

Producing a flawless finish at rapid speeds, while maintaining up to 93 percent energy-efficiency, FL80 Flatwork Ironers are highly programmable, offering up to

100 custom programs for unsurpassed ironing, no matter the item type. Robust and durable, they are engineered for years of trouble-free use and simplified maintenance; boast ironing speeds reaching 147 feet-per-minute; and offer optional GHelp* remote diagnostics.



NATURAL GAS, STEAM OR THERMAL OIL FOR MAXIMUM EFFICIENCY

NATURAL GAS By utilizing an integrated boiler, FL80 Ironers in natural gas can cut energy consumption by as much as 15 percent when compared to ironers reliant on external boiler systems. Unlike many other gas ironers, the gas boiler on FL80 Ironers is rear-mounted to accommodate a larger boiler and boiler flame without concern for the flame touching the coil. If the flame were to come in contact with the coil, thermal fluid cracking can occur, causing uneven heat distribution.

FL80 natural gas models boast an industry-leading 93 percent efficiency!

- A spacious combustion chamber ensures the flame never touches pipes, to avoid cracking.
- A multi-piping system ensures thermal fluid circulates through four sets of piping for a more expansive heating surface area and improved efficiency.
- Steam circulates in three ways (flame, between pipes, return). This takes advantage of the temperature of the steam, which, through exchange, gives better heating efficiency.

FL80 Ironers feature the Weishaupt-Monarch modulating digital burner with low NOX emission and maximum performance through combustion digital management. Three exhaust ducts help maximize the flow of combustion gasses, increasing the performance of the boiler by 20 percent compared to boilers with only two ducts. The FL80's multi-piping heating coil increases the exchange surface area by 66 percent without reducing the fluid-flow diameter. This feature allows use of a low-power fluid drive pump and boosts boiler performance by 15 percent.

STEAM & THERMAL OIL FL80 steam- and thermal-fluid heated ironers work just like the natural gas model, except they require an external heating system. All models deliver a consistent, high-quality finish and feature the same features and programmability. The steam version features an optional Temperature Control* so temperature can be adjusted to meet specific ironing requirements.



INTELI CONTROL FLEXIBILITY

FL80 Ironers feature the Inteli Control, which is simple to program and operate. It offers total control over every ironing parameter, including ironing speed, bed temperature, AutoSpeed® and pneumatic Pressure Control*. In gas models, it controls thermal fluid and boiler exhaust temperatures.

AUTOSPEED® – A SUPERIOR FINISH STRAIGHT FROM THE WASHER The exclusive AutoSpeed® System offers one-pass finishing without dryer conditioning, which boosts productivity, extends linen life and reduces dryer and linen wear-and-tear. As linens pass through the ironer, AutoSpeed® adjusts ironing speed and temperature according to fabric type and moisture content. This feature eliminates temperature fluctuations, assuring consistent, quality finishing and even drying.

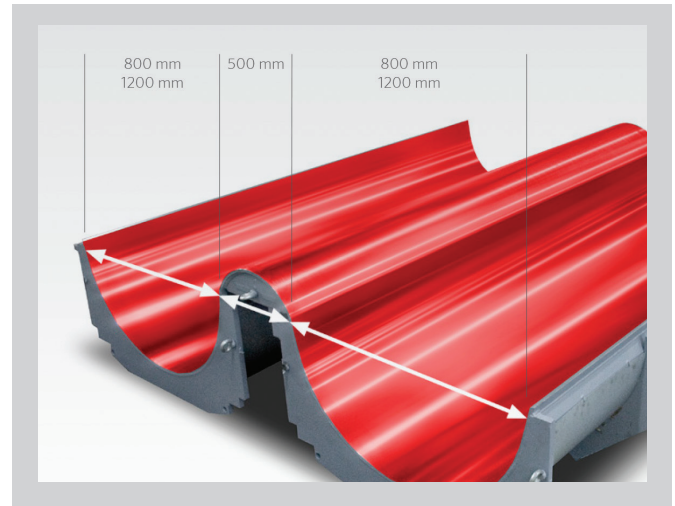
PRESSURE IMPACTS IRONING – OPTIONAL PRESSURE CONTROL Pressure is key to ensuring a consistent and quality finish. The Pressure Control can be adjusted to fit the specific needs of varying textile types. Simultaneously, the ironer's bed alignment system ensures uniform lengthwise pressure at a point of maximum pressure.

FL80 PLC TOUCH-SCREEN INTELI CONTROL Simple to use, the FL80 touch-screen control offers up to 100 custom ironing programs to meet item-specific ironing requirements.

RIGID CHEST TECHNOLOGY SYSTEM

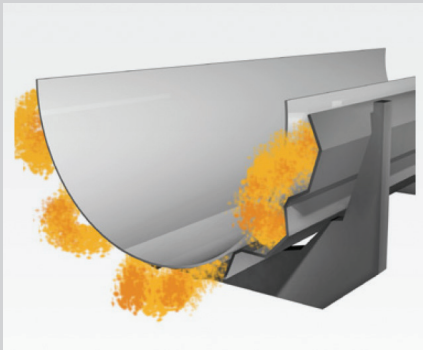
FL80 Ironers feature a rigid chest with a mirror-polished surface and large flow passages for consistent and even heat circulation—ensuring a flawless finish. The rigid design allows heated thermal fluid to flow uniformly and easily through a unique S-COIL system and into large flow passages between two polished steel plates. Constant diametrical and lengthwise pressure keeps ironing uniform. The result? Even heat distribution and consistent pressure – without cold spots – create a superior finish.

ROBUSTNESS AND LARGER IRONING SURFACE FL80 Ironers feature an ironing bed with wide fluid passages and more capacity for transmitting heat to fabric. This ensures high ironing speeds and top-quality results. Beds are machined after welding and undergo tests at 20 bars of pressure. A final mirror finish reduces friction and creates excellent ironing results. The bridges between the beds are heated to create a larger ironing surface area, achieving uniform temperature without causing damaging tension against linen.



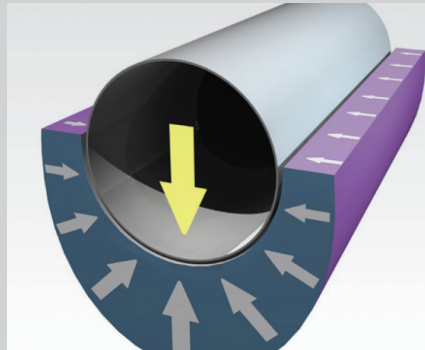
UNIFORM TEMPERATURE

The S-COIL design of the bed assures uniform heating of the entire ironing surface and eliminates cold areas.



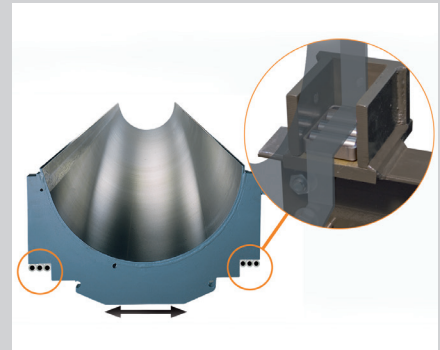
CONSTANT PRESSURE

A pressure gradient with maximum concentration of diametrical pressure delivers high-quality ironing. Lengthwise pressure along the roll is constant in order to keep ironing uniform.



SELF-ALIGNMENT

A floating, self-aligning system allows the ironer to adjust to thermal expansions and mechanical stresses, while maintaining constant pressure distribution over time.



HIGHLY-EFFICIENT

ENERGY EFFICIENCY Delivering up to 93 percent efficiency, the FL80 is smartly engineered to reduce utility costs. Separate motors for each roll, the bed's high-heat transfer, and controlled ironing pressure are key to maximum energy efficiency.

SUPERIOR PRODUCTIVITY The maximum standard speed for the FL80 is 114 feet-per-minute. Ironing speed can be increased to 147 feet-per-minute with the Pressure Control* option. This option boosts productivity significantly.

INSTANTANEOUS REMOTE DIAGNOSTICS – GHELP* FL80 flatwork ironers offer optional GHelp – a remote connection between the ironer and the manufacturer that instantaneously transmits data, configuration parameters and diagnostics. Information can be captured to analyze productivity, incidents and hours, software updates and diagnostics—saving time and money.

ENGINEERED FOR LONGEVITY Industrial construction makes the ironers resistant to mechanical stresses and thermal expansion. An impeccable finish, rigid chest and the latest advances in electronics lend to superior ironing quality and longevity. Engineered for years of constant and trouble-free use, FL80 Ironers are backed by a 7/5/3-year IndustrialCare™ warranty.

DIRECT TRANSMISSION & SIMPLIFIED MAINTENANCE Reduction motors transmit power to each roller independently for complete control over the ironing process. The motors are electronically controlled using highly advanced encoders and inverters to perform perfect mechanical transmission. The motors are synchronized with one another in a perfect transmission system that requires no mechanical components. They take up less space and are simpler to maintain. Belts, pulleys, chains and greasing are eliminated—reducing maintenance and associated breakdowns.

ACCESSIBLE & SAFE FL80 Ironers meet all safety standards and offer quick accessibility. Cleaning the filter is simple. The ironer's flat-top structure simplifies maintenance. The casing is ergonomic, accessible, light and simple to remove.

HEAT CAPTURE TECHNOLOGY – KEEPS HEAT INSIDE Optional Thermal Insulation* panels cover the ironer for significant gains in efficiency, productivity and a comfortable working environment. Heat stays inside the ironer where it belongs.

LAVATEC 
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