

Serie FI, incomparable safety!



GREAT SAFETY

Highest safety level, thanks to **4 outstanding security measures:**

- The **patented safety bar** fixed at knee level that can be easily pressed by the operator even if hands and feet are occluded. The chest is instantly opened.
- The **hand-safety bar** prevents hands and arms from getting caught in the machine and prevents also the introduction of thick fabrics or objects.
- The **emergency stop button** that instantly switches off the machine.
- The **pedal group** that moves the chest front and back.

No other models are such outfitted and safe.



- ✓ Stop with pressure troubles.
- ✓ Stop with burn marks on fabrics.
- ✓ Improve the ironing quality
- ✓ Extend the padding's life

FOCUS ON

- **Uniform chest pressure across the length of the roller.**
- **Uniform chest pressure throughout years of operation.**
- **Adjustable chest pressure according to the kind of fabric.**
- **Safety-Bar**
- **New Microprocessor** simple and versatile with **wide display**
- Possibility to **set various and customised programs** different for temperature, speed and pressure .
- **Inverter standard**

BENEFITS

The INNOVATIVE Flatwork Ironer FI assures many benefits to all the operators.

The pressure control and its uniform distribution across the length of the roller assures a **high-quality and long term ironing**; it also **reduces the maintenance on paddings**.

The working parameters, easy to set, make the Flatwork Ironer FI **easy-to-use** even for an unskilled operator.

The possibility to set working programs, increase the efficiency of machine and **reduce the risk of errors and of damages to linen**.

At last, it is possibile to **set different programs** according to the kind of fabric.

The new IMESA FI Flatwork ironer is far and away **the best** in the market: it is unique in design and performance. It is changing the way to iron:
ALL THE REST IS OUT-OF-DATE.



IMESA S.p.A Via degli Olmi, 22 - 31040 Cessalto (TV) ITALIA ☎ +39 0421 468011 📠 +39 0421 468000 ✉ info@imesa.it - www.imesa.it

DISTRIBUITO DA



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FLATWORK IRONER

FI 1000 1250 1500 Ø 25
FI 1500 1750 2000 Ø 33



IMESA is the **leading Italian company** in the production of laundry machinery. We achieved this goal thanks to 40 years of a total commitment to the continuing challenges to satisfy the growing technological expectations of human beings and meeting the **changes in lifestyles**.

Our products are distributed worldwide through an international organization of qualified distributors. The **"Certified Partner"** Project is now a reality in many countries, where IMESA is able to guarantee experience and professionalism.

The aim of the Certified Partner is the customer's satisfaction: operate, solve, study and develop market potential. The IMESA's Certified Partner is qualified commercial and technical personnel, Show-Room, design consultant and authorised technical assistance centre. All our customers profit by this project in **productivity, results and quality/costs** ratio.

Your and our success in 6 words

INNOVATION in technologies and offers: our dynamic and innovative spirit includes forecasting market trends by observing consumer behaviour, offering to our customer outlooks and market solutions.

QUALITY of components, of products and results. First laundry machine manufacturer to obtain the UNI EN ISO 9001, we design and manufacture our creations faithfully respecting the parameters of reliability, efficiency and solidity.

SAFETY value. The quality of products is certified by qualified operational organisations in various parts of the world; safety in the working places and of employees; safeguard of the environment.

VERSATILITY, flexibility that allows many possibilities for customisation, a wide array of models for any needs, functions and budget.

SERVICE, qualified, on time, innovative. Our qualified customer assistance includes a complete service from specific design solutions to the selection of products with the support of **SO.LAUNDRY**, the new consultancy software, to the **"Remote-control service"** which guarantees just-in-time solutions for any problems that crop up.

GUARANTEE of reliability. **24 months Warranty** on all IMESA machines. By activating the Remote-control service the **guarantee** starts from the **installation day**.

By these six words we set **the goals for your and our success**. By these six words we will continue to **face and win future challenges**. You with IMESA, as usual, **by your side**.

Patents

TV2008A000115
TV2008A000116
TV2008A000117

CERTIFIED QUALITY

IMESA holds THREE PATENTS relating to its new Flatwork Ironer Series FI which offer important technical, electronic and safety performances.

SAFETY-BAR, INSTANT CHEST OPENING: AVAILABLE WITH IMESA FLATWORK IRONER FI ONLY.



INCOMPARABLE SAFETY! The patented safety-bar is an important safety measure that can be easily activated when hands and arms are occluded. It is fixed at knee level and, when pressed, it instantly opens the chest. The system is a mechanical one and it works even in case of a power failure. It is activated by the operator without the presence of a second person.

THE ONLY model with ironing pressure control!

- UNIFORM PRESSURE ACROSS THE LENGTH OF THE ROLLER

- UNIFORM IRONING PRESSURE THROUGHOUT YEARS OF OPERATION.

The chest-service system allows to adjust the pressure of the chest on the roller holding it steady throughout the years. By this system, even if the roller grows thin, it doesn't change the pressure of chest but the distance the chest covers to press the roller.

- LASTING IRONING QUALITY

- LASTING PADDINGS

The ironing pressure can be adjusted by using the key-board: setting allows step of 6 kg. By pressing on the key-board, it is also allowed to modify the position on the pressure regulator coupled with the chest-service system.

SPECIFICATIONS

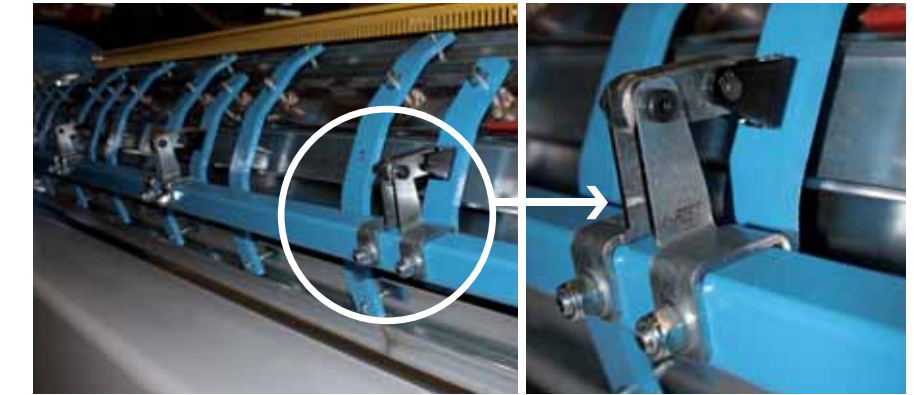
The **introduction board** of Flatwork Ironer FI is **adjustable**; it moves back or forward changing the linen feeding space

ROLLERS are coated with 3 layers:
1) Steel wool: provides a soft working area
2) Thick flannel: thick material that ensures complete uniformity under ironing
3) Covering cloth: an easy to change cover that allows freedom in use when ironing.

The roller with diameter 33 cm may be supplied covered in steel springs material: laminate metal mesh that guarantees long life and durability of the machine along with uniform wear. Made of small interwoven steel springs it provides an elastic yet robust surface. The thick flannel covered roller may be supplied in Nomex, an option that can resist high temperature and has a long working life

The patented linear service assures the **uniform pressure** across the length of the roller by means of a **patented torsion bar**.

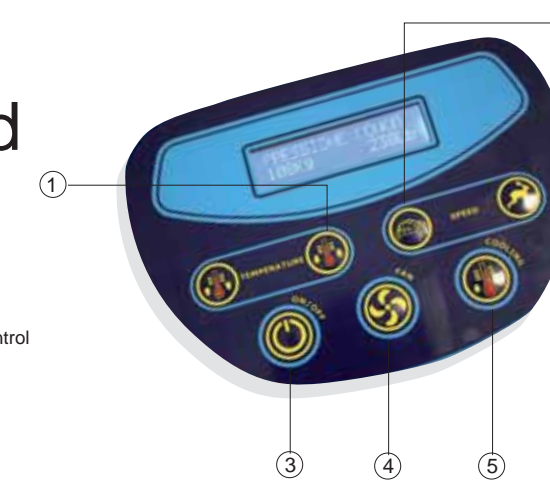
Up to today, all models in the market allowed to manage just 2 parameters: ironing speed and ironing temperature. Today, the customer CAN HAVE THE TOP!



Ironing Programs for any kind of fabric

LEGEND:

- 1) Temperature and chest pressure control
- 2) Roller speed control
- 3) Machine On/Off
- 4) Aspiration On
- 5) Cool-Down On
Chest Pressure Control On



The display has been designed to provide all the necessary information for a proper and easy use of the machine. It can be divided in two section:

- Working parameters: temperature, set-point speed
- Working steps: Aspiration, set-point temperature reaching, cool down

The software is prepared for GSM service for the data storage.

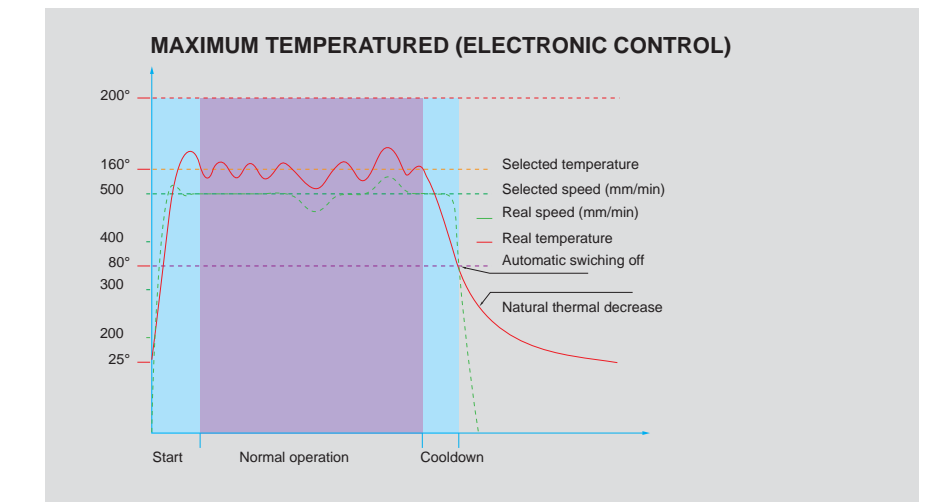
The electronics of the control system and of the speed regulation (inverter) of the new IMESA ironers allow a better control of temperature and speed; this permits to optimise temperature drops and machines switching off, decreasing operation costs and improving ironing quality. The diagram shows an example of ironer at work.

Starting the machine
At starting the display shows the temperature increasing thanks to heating elements action. Pressing the pedal the operator makes the roller turn according to selected speed.

Standard operation
When the machine reaches the selected temperature, the thermal automatic regulation starts and the roller keeps a constant speed. For instance the operator introduces a very wet linen and temperature decreases of 5%. The speed decreases automatically by 5% and starts to increase again only when the temperature raises up to selected one. This guarantees a constant thermal exchange between linen and back plate and thus a more regular ironing. In a similar way if the temperature becomes 5% higher than the selected one the speed increases to the ironing time of each linen

Cool down
This operation permits to turn off heating while the machine goes on moving until the temperature decreases to the programmable safety degree (normally 80 °C). The cool down offers two main advantages:
1) possibility to go on working up to automatic turn off and thus good exploitation of the heating (energy saving).
2) possibility to press the cool down and let machine cool down without thermal shocks. After reaching the safety temperature the ironer will turn off automatically (time saving).

OPERATION DIAGRAM



TECHNICAL DATA	u.M.	FI 1000 / 25	FI 1250 / 25	FI 1500 / 25	FI 1500 / 33	FI 1750 / 33	FI 2000 / 33
Adjustable Speed	ml/min.	1-6	1-6	1-6	1-9	1-9	1-9
Requested Residual Humidity	%	20	20	20	20	20	20
Condense Outlet	Ø mm	73	73	73	73	73	73
Electric Heating Elements	W	3x1500	3x1800	3x2500	3x2500	3x3500	3x4500
Absorption	kW	4,7	5,6	7,9	7,9	10,9	13,9
External Dimensions: LxWxH	mm.	1512x657x1072	1762x657x1072	2012x657x1072	2012x668x1142	2262x668x1142	2512x668x1142
Net Weight	Kg.	141	158	172	178	195	211
Packing: LxWxH	mm.	1600x660x1230	1850x660x1230	2100x660x1230	2100x660x1300	2350x660x1300	2600x660x1300
Gross Weight	Kg.	168	188	205	215	232	249

