

Sustainable efficiency



ECOVOLUTION



Energy

Energy optimisation is fundamental in a laundry.

Our machines have been designed for greater energy savings with this in mind.



Water

Saving water and using it properly are our goals, we do not want to waste it.

We offer washing machines with optimised design and programming as well as a unique accessory, the ECOTANK: water recovery tanks.

At Domus we know how important efficiency is and we are very aware of our commitment to the environment. That is why we have developed a new state-of-the art product range with low consumption and high energy savings for their entire life span.

Efficiency is intelligence.
Welcome to ECOVOLUTION by Domus.



Chemicals

We design our washing machines with features to ensure the most accurate use of chemicals.

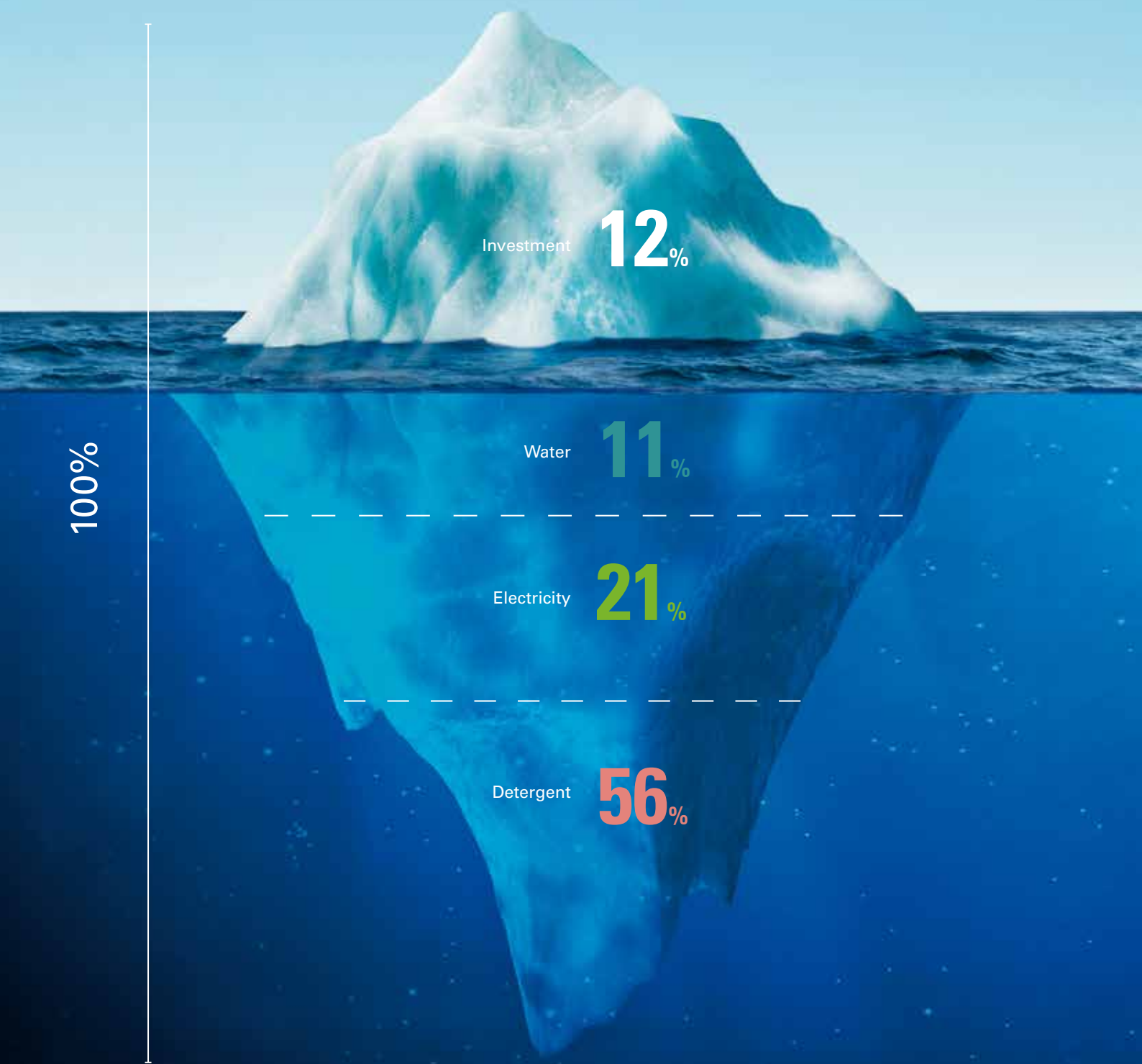


Technology

We apply the latest technology to offer very efficient laundry machinery.

Machinery is the tip of the iceberg in a laundry.
At Domus we look at the part we can't see,
to optimise resources throughout its life cycle.

Washing



Drying

Ironing

Investment

10%

Electricity

3%

Gas

87%

Investment

19%

Electricity

5%

Gas

76%

*Example of a standard laundry with 50% flat linen and 50% towelling, during the first 10 years of life.

1 High G Factor:
more efficient spinning.

TOUCH II

- 2 Low water consumption
- 3 Savings of water
- 4 Savings of chemicals

- ⊕ Precision
- ⊖ Consumption

5 ECOTANK

Washing machine



1 High G Factor: the most efficient spinning.

The average low speed washing of the competition has a 100 G Factor.

DLS Washing machine
Factor G **200**

DMS Washing machine
Factor G **300**

DHS Washing machine
Factor G **450**

LOW



65% RM

MEDIUM



55% RH

HIGH



47% RH

Medium-sized
sheet
100% cotton
6 minutes
spinning

Low residual moisture results in more efficient drying.

Drying time



45 min.
+13.5 min.

+15.5%



38 min.
+6.5 min.

+8%



31.5 min.

Extra expense Energy consumption



+15.5%



+17.5%



Year



Year



Calculation made to process 49,500 kg a year (3093 cycles)

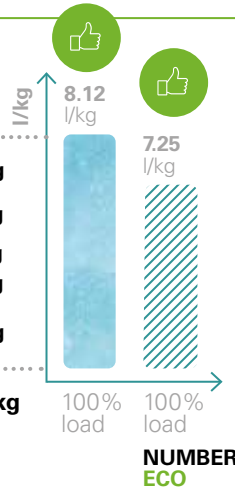
2 Low water consumption

TOUCH II

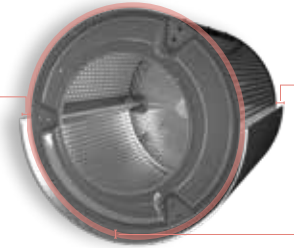


Pre-wash	2.15 l/kg
Washing	1.29 l/kg
Rinse 1	1.19 l/kg
Rinse 2	1.09 l/kg
Rinse 3	2.38 l/kg

Total 8.12 l/kg



- + Precision
- Consumption: of water, of energy and of chemicals



Minimum distance

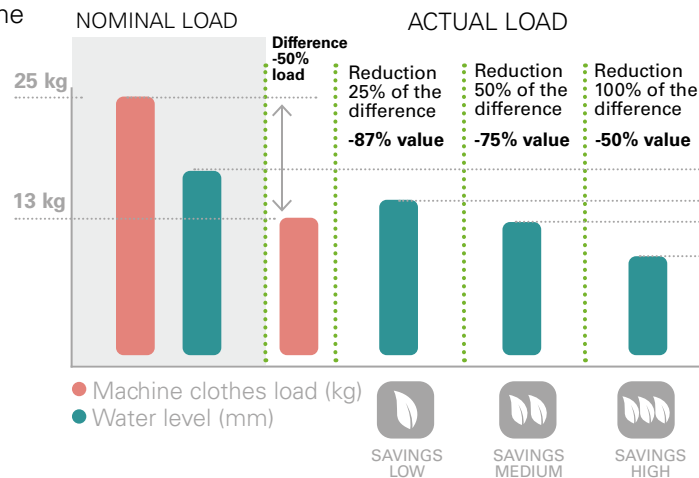
3 Savings of water

We save water using the weighing system and the saving programme



YOU CHOOSE THE SAVINGS LEVEL

- + Precision
- Consumption: of water of energy

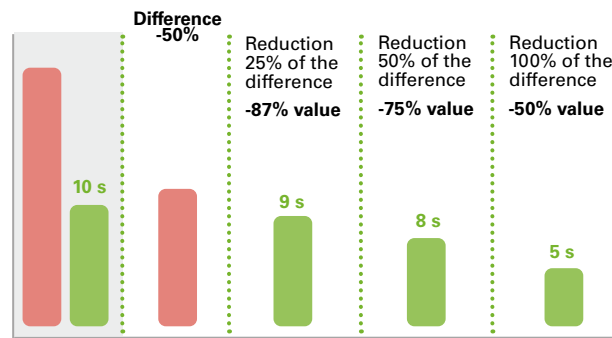


Savings per cycle

Base
-25.3 litres/cycle
-50.75 litres/cycle
-101.5 litres/cycle

Washing machine 25 kg high speed:

4 Savings of chemicals



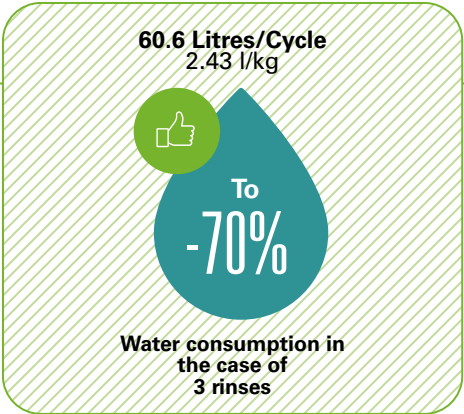
- + Precision
- Dosing time

Seconds/Dosing

Washing machine 25 kg high speed:
Example Medium Load

RESULT NEW CONSUMPTION

5 ECOTANK
Water recovery tanks.
To save up to 70% of water.



Standard programme
example.

Washing machine
25 kg High speed

Pre-wash		2.15 l/kg	53.75 l
Washing		1.29 l/kg	32.25 l
Rinse	1	1.19 l/kg	29.75 l
Rinse	2	1.09 l/kg	27.25 l
Rinse	3	2.38 l/kg	59.5 l
Total		8.12 l/kg	202 l

Example

The rinse water 3 passes to the rinse 1 and 2

The rinse water 1 and 2 passes to the prewash

The rinse water 1 passes to the wash



1 Domus tumble dryer range: comparison according to efficiency.

2 **EFFICIENT DRY**
Smart moisture control.

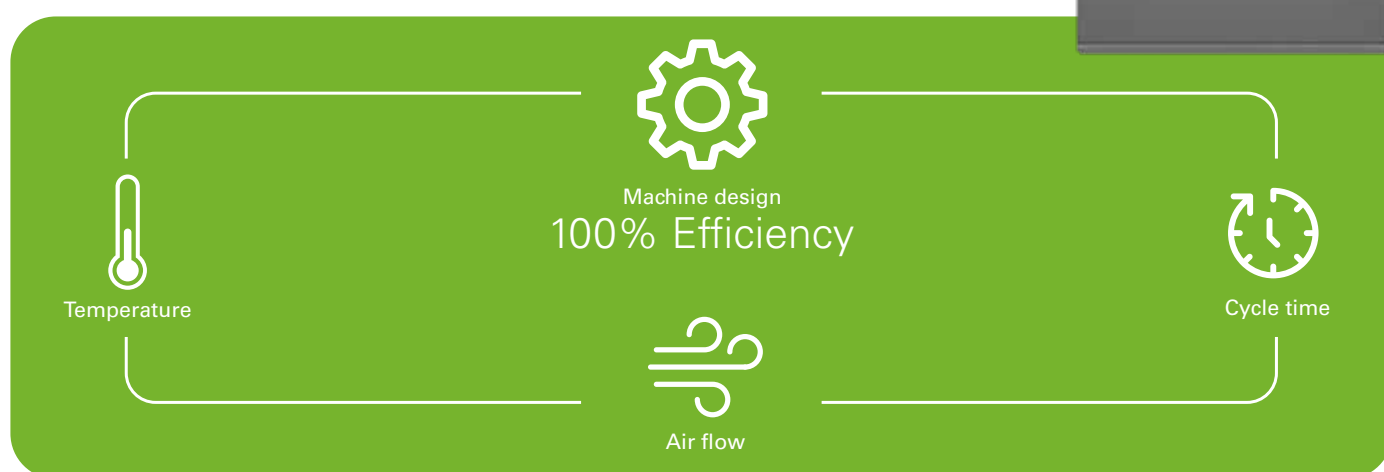
3 Filter and turbine:
Optimised designs

4 **ECOENERGY**
Air recirculation system:
AIR RE-CYCLE

Thermal insulation:
THERMAL INSULATION

5 Heat pump

Dryer



1 Domus tumble dryer ranges: comparison according to efficiency.

RANGES FEATURES	DYNAMIC	DYNAMIC with moisture control	ECOENERGY
EFFICIENT DRY: smart moisture control.	No	Yes (option included)	Standard
AIR RE-CYCLE: Air recovery.	No	No	Standard
Double glazed	Option	Option	Standard
THERMAL INSULATION	No	No	Standard
Cycle time	38 min	33.5 min -4.5 min	31.5 min -6.5 min
Time reduction		-11.8%	-17.1%
Energy (kWh) Savings	12.38 kWh/cycle --	10.89 kWh/cycle -12.1%	10.31 kWh/cycle -16.7%
Annual production To process 49,500 kg a year (3093 cycles)			
Hours a year	1959	1727 (-232)	1624 (-335)
Annual savings Euros/year	–	€-588	€ -804
Return on investment		0.85 (10.2 months)	1 (12 months)

335 hours
x **25 Euros**
(cost
company)
€8,375

2 EFFICIENT DRY

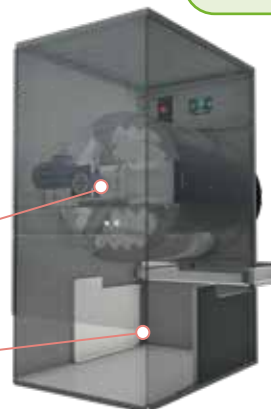
smart moisture control.



EFFICIENT DRY

Optimised spinning speed

Smart moisture control adapts the drum's spinning speed to the moisture level in each drying phase.



turning
speed "rpm"

% RM
moisture sensor

+ Precision
- Time

Time
cycle (min.)

EFFICIENT DRY
OFF

37 min

EFFICIENT DRY
ON

34 min
-3 min



Reduction
time

Reference
100%

-8.82%

To process 49,500 kg of clothes a year (3093 Cycles)



Hours a
year

1907

1753
(-154 hours)



Savings
possible year

-

-450 Eur/year



Cost option

-

0 Euros

Time

-

Immediate

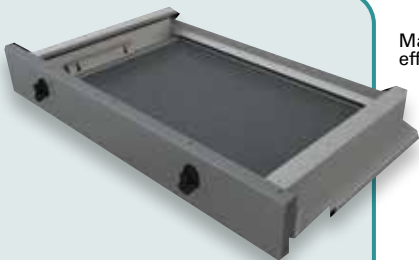
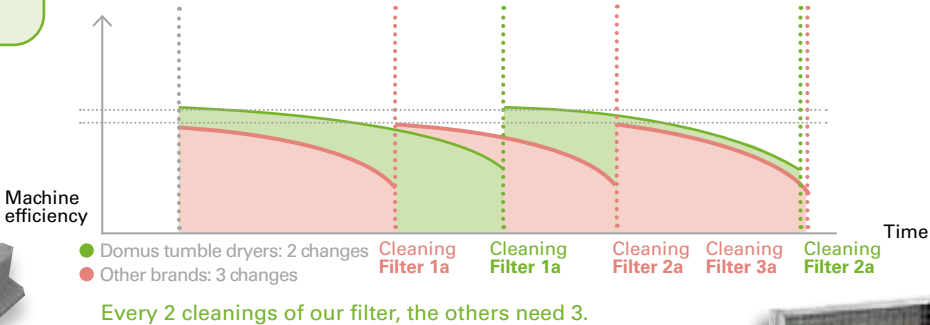


SUSTAINABLE

The moisture sensor automatically adjusts the cycle time to the setpoint moisture of the clothes.

30% MORE EFFECTIVE SURFACE

- + Efficiency
- Dedication



Filter in drawer format

- ✓ Easy to open
- ✓ Easy to clean
- ✓ More ergonomic
- ✓ More surface (+30%)

Increases the time of more machine efficiency

- 1 Reduced number of times to clean the filter with its dedication time.
- 2 More efficient cycle time between each filter cleaning, improving the overall machine performance.
- 3 More machine available time

Stainless steel filter mesh

As an option

Choose the size of the stainless-steel mesh you want between standard 0.3 mm, 0.6 and 1.2 mm.



Turbine: air flow, with models of different sizes.

Turbine and box assembly optimised outlet

The design, curves, elbows, and diameter have been optimised to get the most out of the airbox assembly with the turbine.



+20%

of increased performance thanks to the design.

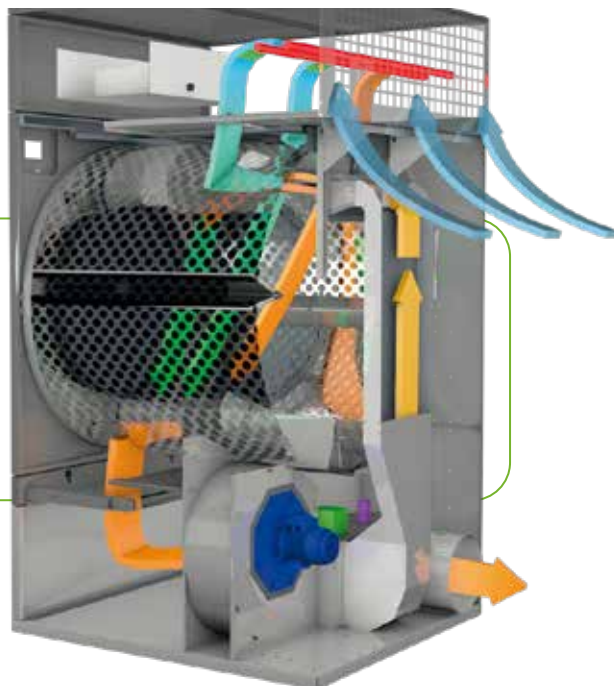
2 Range **ECOENERGY**

The range with the most features to ensure drying efficiency.

AIR RE-CYCLE

Smart air recirculation system.

Taking advantage of the hot, almost dry air, we shorten drying times and reduce energy consumption.



ECO ENERGY RANGE

- ✓ **AIR RE-CYCLE**
Air recovery system for increased energy efficiency.
- ✓ **EFFICIENT DRY**
Smart moisture control
- ✓ **THERMAL INSULATION** (Thermal insulation)
Full isolated air flow circuit.
- ✓ **FULL FLOW**
Optimised axial-radial full air flow.
- ✓ **SPINNING REVERSAL:** standard in all models.
- ✓ **FULL SCREEN FILTER:**
new filter with larger surface and improved air flow.

Thermal insulation to conserve heat inside the machine



All air flow circuit isolated



Air channels



Double glazed door



Double panel



THERMAL INSULATION

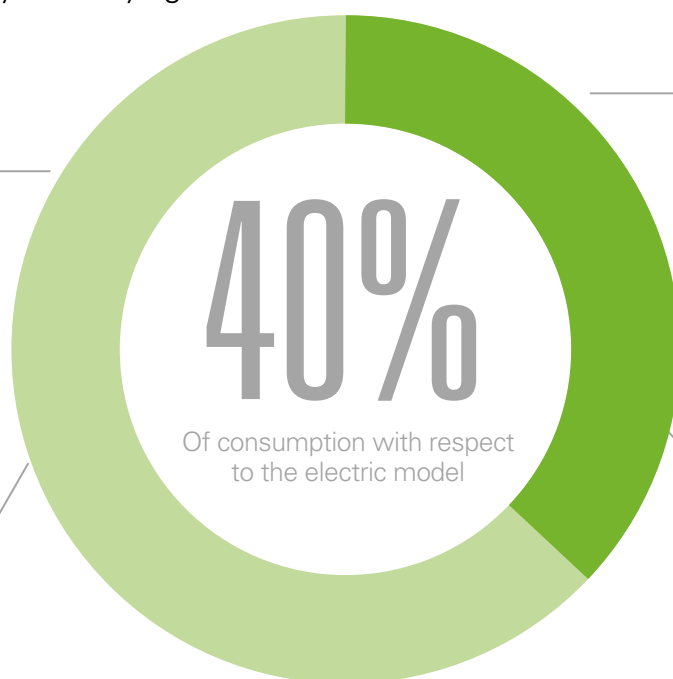


No thermal insulation

3 Heat pump

Reasons for and advantages of installing a heat pump

- ✓ When the customer prioritizes energy efficiency over drying time
- ✓ When a smoke vent cannot be installed
- ✓ When we have power limitation installed.
- ✓ Due to the difficulty of getting gas installations or certifications



Accessory **ECOTANK**

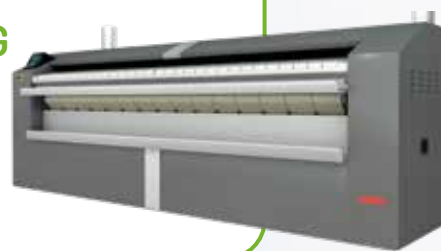
100% of cooling water from the heat pump dryer is collected in the Ecotank for the next wash.



- 1 Radiant burner:
the most efficient

- 2 **EFFICIENT IRON**
- 3 **OPTIMAL FEEDING**
- 4 Built-in longitudinal
folder

Flatwork ironer



- 1 Radiant burner:
the most efficient.



Atmospheric
burner

VS



Radiant
burner



ADVANTAGES

- ✓ With a similar gas consumption, the hourly **productivity** of the mangle **increases 25%** compared to the same machine with atmospheric gas
- ✓ They can be used in places with high altitudes and without the oxygen level problem affecting combustion.

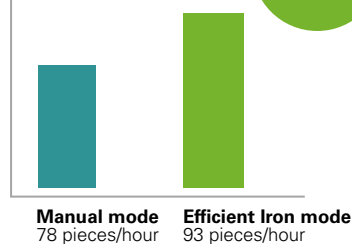


- + Production
- Energy

2 EFFICIENT IRON

Automatic regulation of ironing speed according to residual moisture in garments. Standard in 650 mm, optional in 500 mm

Example in
**Flatwork ironer
ø 650**



ADVANTAGES

- ✓ Energy savings
- ✓ Increased production
- ✓ Delicate treatment of garments

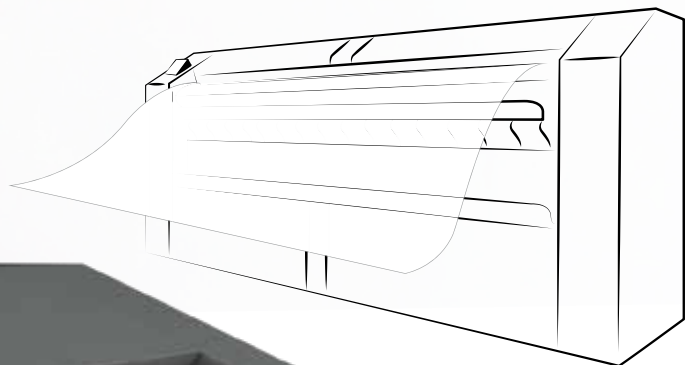
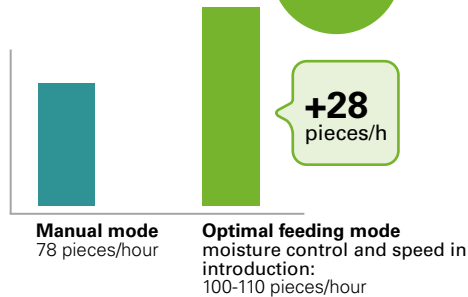
OPTIMISED
IRONING
TIME



3 OPTIMAL FEEDING

The garment introduction sensor and LED lights help to adapt feeding speed to optimise productivity.

Example in
Flatwork ironer ø 650



4 Built-in longitudinal folder

Efficiency in the process, which goes from manual to automatic.

High speed folding for greater productivity.

LED indication of availability to save time.

Automatic mode to detect sheet dimensions: efficiency and time saving.



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