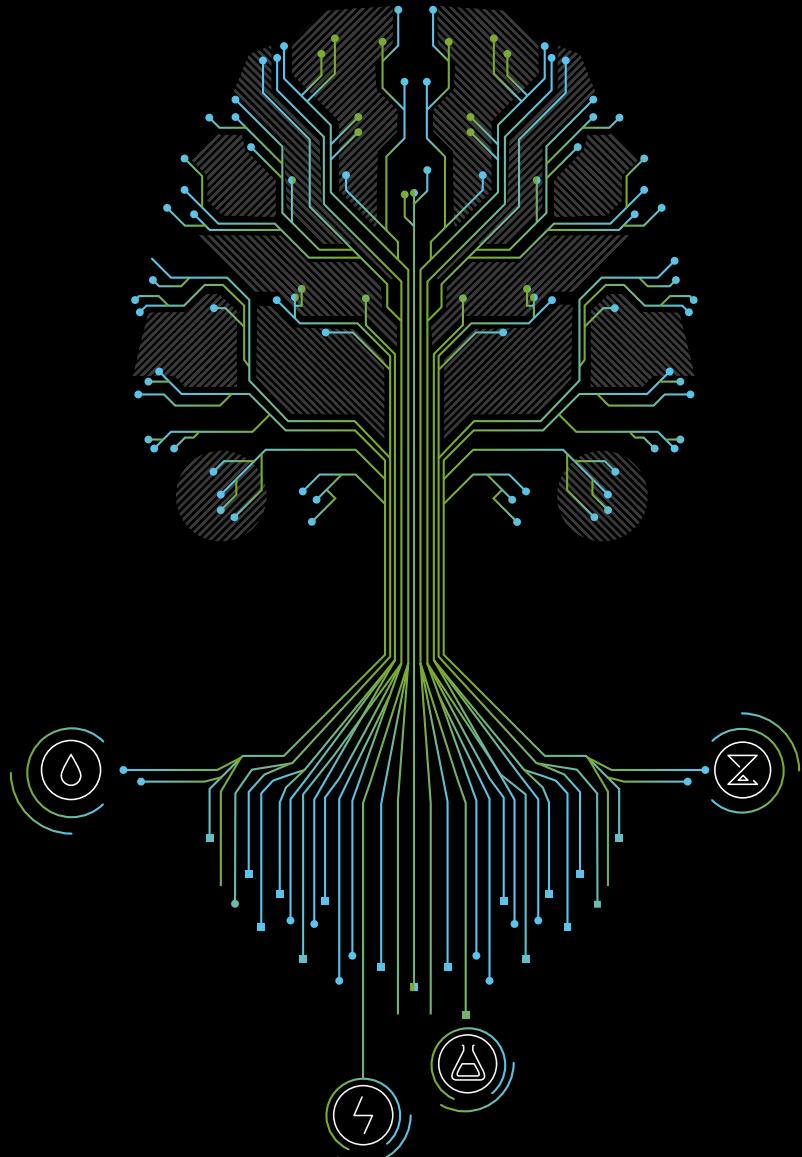




WINNING THE FUTURE THROUGH INNOVATION

INTERACTIVE  
CATALOGUE



INTELLIGENT EFFICIENCY

The perfect balance between  
**INNOVATION, EFFICIENCY AND SAVING**

At Domus we know how important efficiency is and we are strongly committed 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.



A SMART  
DECISION

**ECOVOLUTION**  
by DOMUS



### WATER

We design our systems to ensure efficient water use, preventing unnecessary waste.



### ENERGY

We optimise our machines to deliver greater energy savings and maximise efficiency in the laundry.



### CHEMICALS

We design our washers and barrier systems with features that facilitate precise and controlled use of chemicals.



### TIME

We adjust process times, a key factor in any laundry operation, increasing efficiency and business profitability.



TECHNOLOGY & INNOVATION



EFFICIENCY

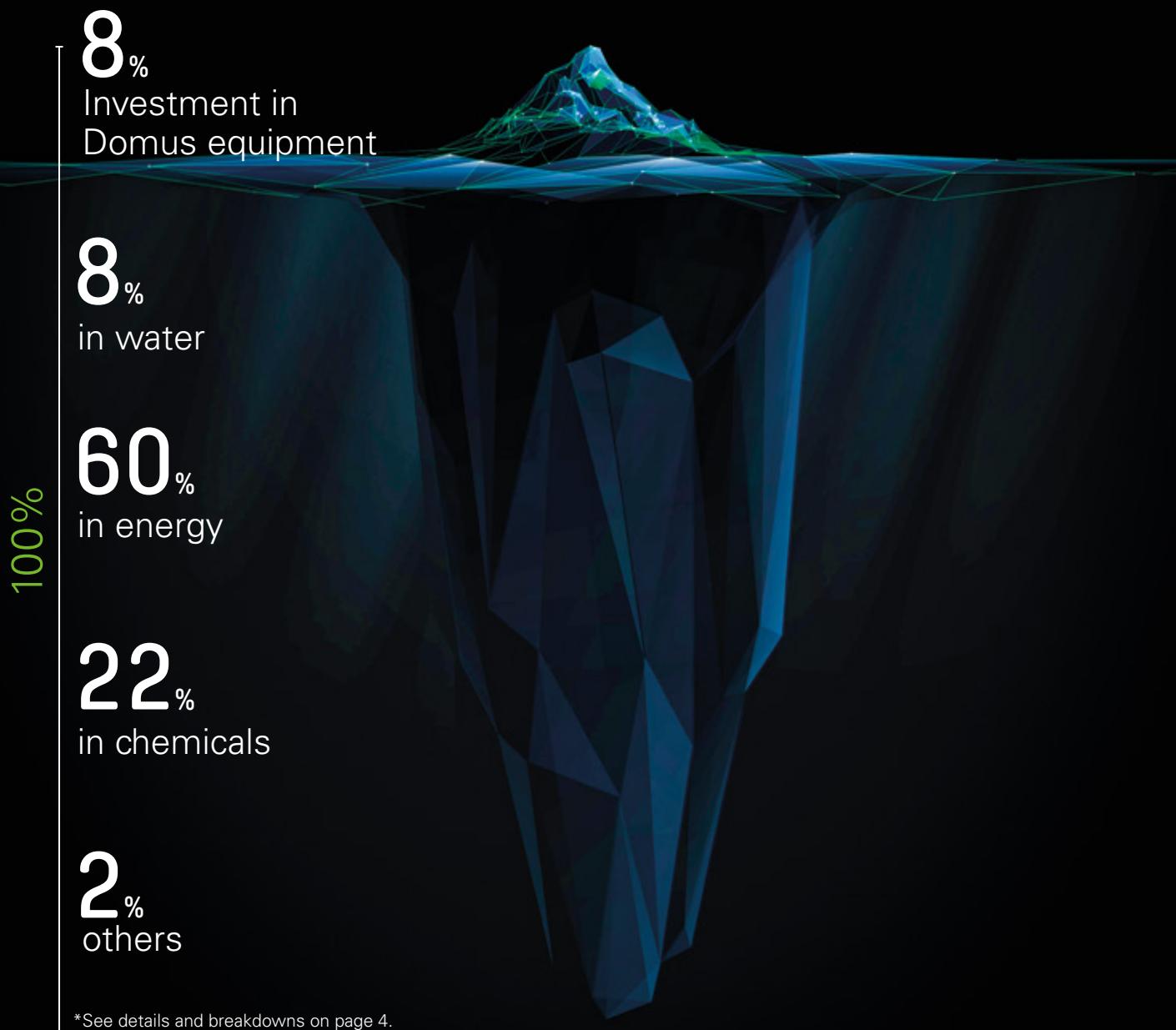


END-TO-END SOLUTIONS

# In a laundry, the price of the machine is the visible part of an iceberg.

At Domus we pay attention to the iceberg part that cannot be seen, to optimize the expenses during the whole Life Cycle Cost. What matters is not the purchase price of a machine but the total cost of ownership that it will have during its life cycle. (Total Cost of Ownership).

In the following pages we introduce you to the key features of our different Domus machinery ranges designed with maximum efficiency in mind.



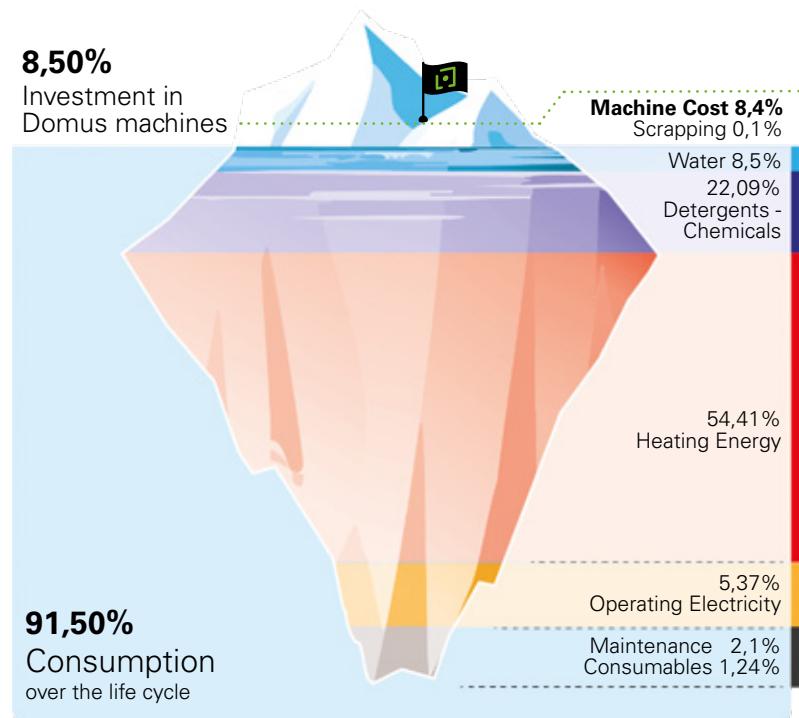
# LAUNDRY ICEBERG

Here we show you a laundry with its calculations with the iceberg, and the consumption throughout its life cycle, thanks to the efficiency and Domus technology.

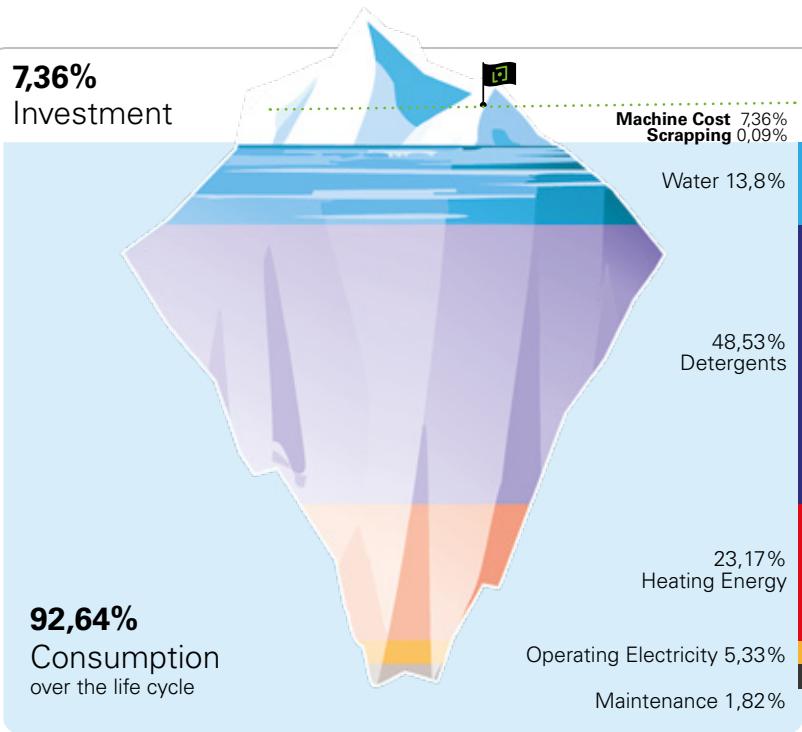
## LAUNDRY WORK SUMMARY in 10-years

Cycles/Hours Work day	10	Machine cycles
Working days per year	320	Days
Cycles work year	3.200	Cycles
Kg. processed in washers	2.016	Tons
Kg. processed in dryers	2.016	Tons
Kg. processed in ironers	3.840	Tons

1 washer DHS-18 TOUCH II HW  
 1 washer DHS-45C TOUCH II HW  
 1 water recovery tank ECOTANK XL  
 1 dryer DTT-18 G ECO-ENERGY  
 1 dryer DTT-45 G ECO-ENERGY  
 1 flatwork ironer CF-3350 TOUCH II GR (**new**)



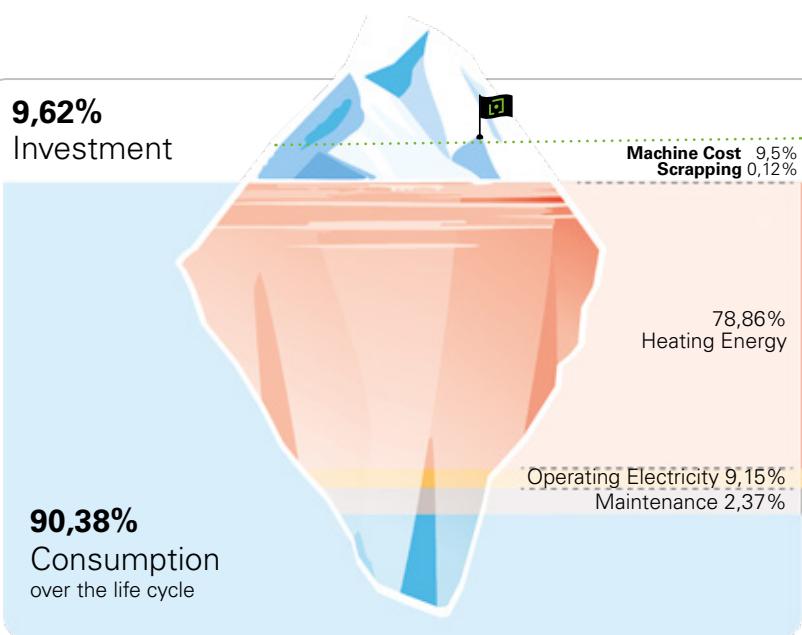
## LIFE CYCLE COST: 10 YEARS



### Washing

**With only 7% investment** in Domus machinery, we achieve high efficiency thanks to:

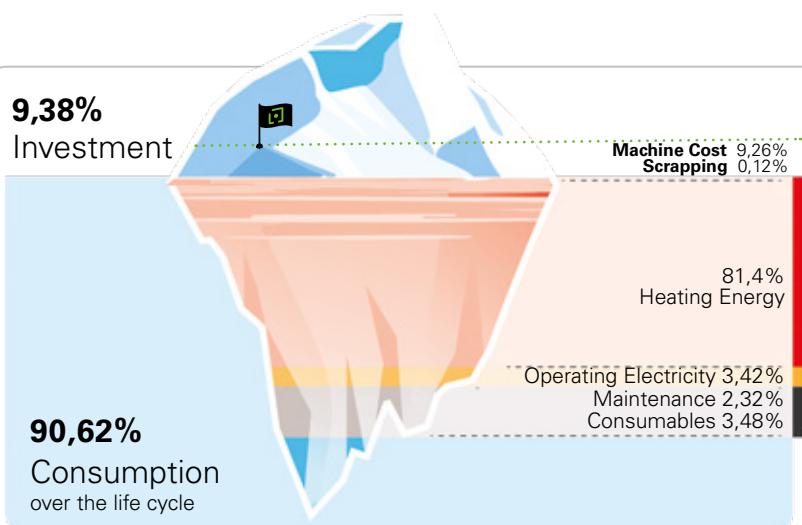
- ✓ A high G-FACTOR
- ✓ Water and chemical saving programmes and functions.
- ✓ Installing ECOTANK XL or ECOTANK water recovery tank.
- ✓ By purchasing the weighing kit option



### Drying

**With less than 10% investment** in Domus dryers, we achieve high efficiency thanks to:

- ✓ AIR RE-CYCLE air recovery system.
- ✓ EFFICIENT DRY Intelligent humidity sensor.
- ✓ Optimised design of the filter, turbine and panels.



### Ironing

**By investing only 9.38%** in Domus flatwork ironers, we achieve a high efficiency thanks to:

- ✓ Intelligent humidity sensor.
- ✓ Radiant gas heating option.
- ✓ OPTIMAL FEEDING feature.
- ✓ Length folder.

# ECOSMART LAUNDRY



**ECOSMART LAUNDRY** is the laundry of the future: an end-to-end solution that gives you full control and the ability to transform your laundry into a connected, smart and highly efficient business.

Thanks to data transmission via IoT and its integration with the DOMUSCONNECT platform, all aspects of your **ECOSMART LAUNDRY** laundry are interconnected, gathering accurate information in real time and allowing full control of the processes.



## Accurate management

Get the actual consumption of your laundry, as well as other key metrics.



## Improved hygiene

Monitor temperature, wash times and chemical usage in real time, ensuring standards such as RABC.



## More efficiency

Controls temperature, wash times and product dosage.



Transmission of consumption data between the machines, the LEMS Counter Box and the LEMS-Brain.



Transmission of metrics from machines with TOUCH II and of consumption collected by LEMS-Brain to the DOMUSCONNECT web platform.



LEMS Counter Box: water, electricity and/or gas.

Click or tap on the button and find out more about **ECOSMART LAUNDRY**.



# KEY FACTORS

## 1

### Efficient solutions and machines

Domus machines with TOUCH II are the best choice for their high efficiency and free IoT connectivity as standard, providing complete control of your **ECOSMART LAUNDRY**.

- ✓ Highly efficient, robust and versatile.
- ✓ Equipped with IoT connectivity.
- ✓ Washers with intelligent weighing and water recovery with ECOTANK XL.
- ✓ Tumble dryers with AIR RE-CYCLE and EFFICIENT DRY.

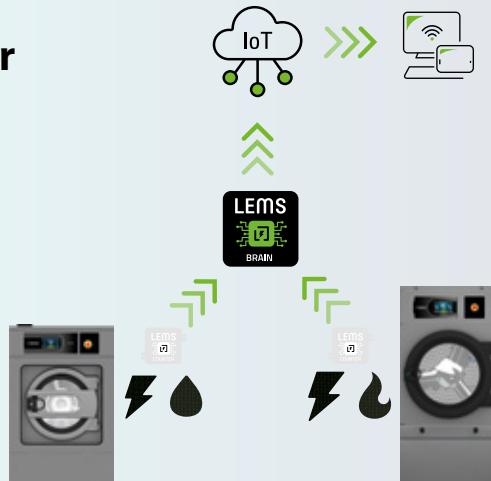


## 2

### LEMS by Onnera Pulse Concentrator

The **LEMS system** (Laundry Efficiency Management System) collects the actual consumption of all your machines.

- ✓ **It measures consumptions** of water, gas and electricity in real time.
- ✓ **It transmits the data** automatically and securely to the IoT DOMUSCONNECT platform.



## 3

### DOMUSCONNECT platform

It is Domus' standard and free IoT platform that integrates and analyses all the data collected by LEMS, in addition to other metrics collected from the machines with TOUCH II.

- ✓ **Receive accurate consumption data** through management, efficiency and hygiene reports wherever you are.
- ✓ **Configure and control your laundry remotely.** Programs, access management telemetry visualization and consumption control, among other possibilities.



 WASHING**1 | HIGH G-FACTOR**

Reduces drying time and energy costs.

**2 | LOW WATER CONSUMPTION**

Designed to be as efficient as possible.

**3 | TOUCH II: SAVINGS PROGRAMS**

Configurable microprocessor that increases water and chemical savings, such as the Water Saving system.

**4 | ECOTANK XL & ECOTANK**

Water recovery tanks of 1000 litres (ECOTANK XL) and 80-150 litres (ECOTANK).

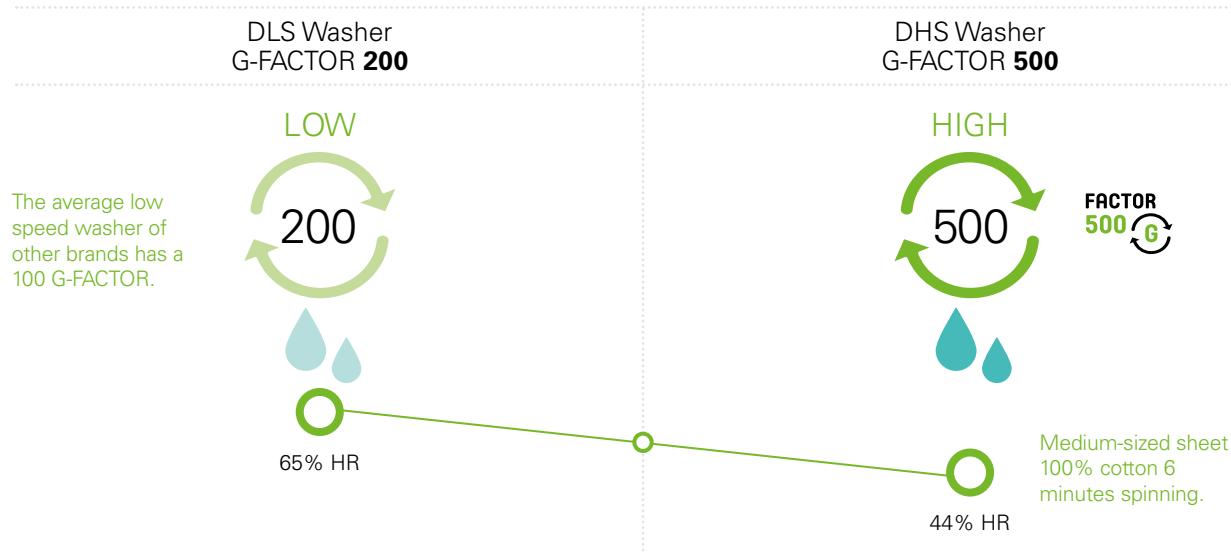
**5 | WEIGHING KIT + ECOTANK XL**

The perfect combination for maximum water and chemical savings.



## 1 | HIGH G-FACTOR

Thanks to the high G-Factor of Domus washers, you will achieve lower residual moisture and greater savings.



Low residual moisture results in more efficient drying.

DRYING TIME



45 min.



50% of drying time reduction



25 min.

ENERGY CONSUMPTION



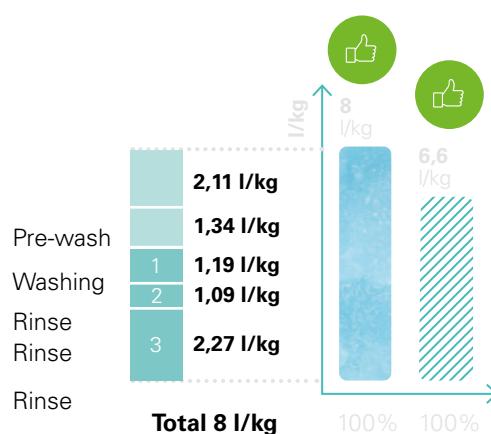
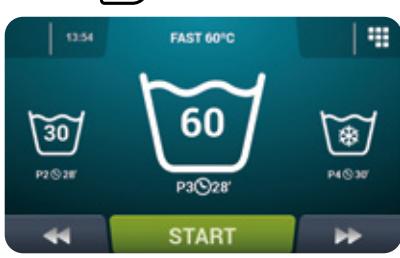
50% of energetic cost reduction

## 2 |

## LOW WATER CONSUMPTION

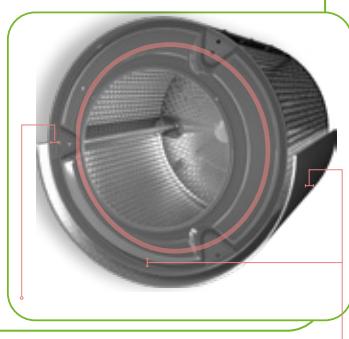
The Touch II's optimized design and intelligent programs allow for water consumption of up to **8 litres/kg**.

TOUCH II



Precision  
 Consumption of water, of energy and of chemicals

Real data with a 100% cotton towelling full load in a 28kg washer.



Minimum distance

## 3 | TOUCH II: WATER SAVINGS

With the TOUCH II's weighing system and the saving programming modes we achieve great water savings.



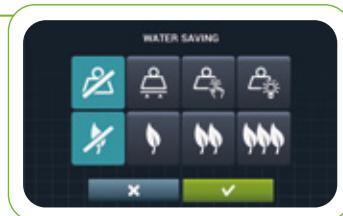
Full load



50% load

Examples with partial loads: increased savings

YOU CHOOSE THE SAVINGS LEVEL



- + Precision
- Consumption of water or energy



NONE ADJUSTMENT



The program is executed as set, with no adjustments.



25% SAVINGS



If we load 50% we get **18,75% of water savings.**



50% SAVINGS



If we load 50% we get **25% of water savings.**



REDUCTION IN PROPORTION TO THE LOAD



If we load 50% we get **50% of water savings.**

## TOUCH II: Chemical savings

TOUCH II microprocessor allows the configuration of the machine with several levels to achieve chemicals savings as well as water and energy savings, no matter the load level. With less load we get more savings.

Data can be transmitted to the chemical companies via pulses, **RS-485 protocol** or via the **IoT**.



- + Precision
- Dosing time



Full load



50% load

Examples with partial loads: increased savings



NONE ADJUSTMENT



The program is executed as set, with no adjustments.



25% SAVINGS



If we load 50% we get **18,75% of chemicals savings.**



50% SAVINGS



If we load 50% we get **25% of chemicals savings.**



REDUCTION IN PROPORTION TO THE LOAD



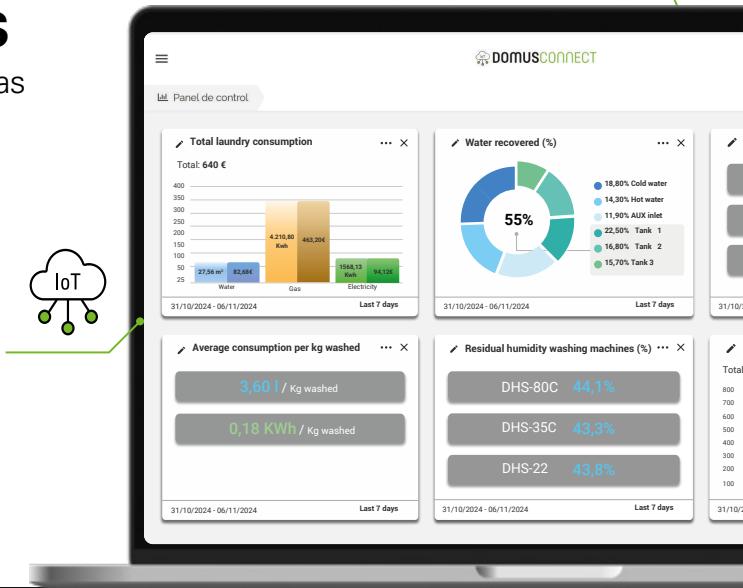
If we load 50% we get **50% of chemicals savings.**

## 4 | WATER RECOVERY TANKS

To save between 40-70% of water, as well as chemicals and energy.\*

- ✓ **Save a significant amount of water, energy and chemicals** with the different models of tanks for Domus washers and barriers with TOUCH II.
- ✓ **Monitor and manage washer and barrier programmes remotely via the IoT** with the ECOTANK XL and ECOTANK.

\*These percentages may vary depending on the types of programs, garments, and processes, among other factors.



## ECOTANK XL

New centralised tank to be connected to one or more machines. Each tank is **1.000 litres**, 1 to 3 tanks available.

On a DHS-80C TOUCH II washer, the following savings are achieved with a 60% towel load. We compare the consumption of the washer alone with the integration of the ECOTANK XL water recovery tank, showing how you can reduce your water and energy consumption.



**WATER SAVINGS**  
up to **56%**

656 litres



Washer

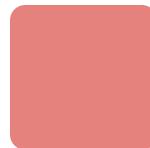
**-56%**  
**288 litres**

Washer  
+ ECOTANK XL



**ENERGY SAVINGS**  
up to **12%**

21,37 kW/h



Washer

**-12%**

**18,80 kW/h**



Washer  
+ ECOTANK XL

## ECOTANK

80-150 litre tanks to save a large amount of water in small spaces.



## 5 | WEIGHING SYSTEM

✓ Adjusts water and detergents to the actual load, providing great savings of water and detergents when working in a less than full load.

✓ Option available for:

- DHS-11 to 120C washers.
- DHB-27 to DHB-70 and ASA-100 washers.



## BENEFITS OF THE WEIGHING SYSTEM + ECOTANK XL FOR YOUR WASHES

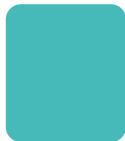


On a DHS-80C TOUCH II washer, the following savings are obtained with a 60% towel load. We compare the consumption of the washer alone, with the **weighing system** added, and finally, with the integration of the **ECOTANK XL** water recovery tank, showing how you can maximise efficiency with these solutions.



### WATER SAVINGS up to 70%

656 litres



Washer

**-30%**  
459,2 litres

Washer  
+ weighing  
system

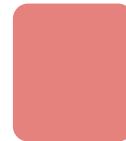
**-70%**  
196,8 litres

Washer  
+ weighing system  
+ ECOTANK XL



### ENERGY SAVINGS up to 45%

21,37 kW/h



Washer

**-23%**  
16,45 kW/h

Washer  
+ weighing  
system

**-45%**  
11,75 kW/h

Washer  
+ weighing system  
+ ECOTANK XL



 DRYER**1 | ECO-ENERGY: COMPARISON**

Comparison according to efficiency.

**2 | ECO-ENERGY: FEATURES**

Air recirculation system: AIR RE-CYCLE.

Dryer insulation: THERMAL INSULATION.

**3 | FEATURE: EFFICIENT DRY**

Humidity sensor.

**4 | FILTER AND TURBINE**

Optimised designs.

**5 | HEAT PUMP**

The most efficient models.





## 1 | ECO-ENERGY: COMPARISON

Comparison of the Domus ranges according to efficiency



FEATURES	DYNAMIC	DYNAMIC with moisture control	ECO-ENERGY
EFFICIENT DRY: Smart moisture control	No	Yes (included option)	Standard
AIR RE-CYCLE: RAir recovery	No	No	Standard
Double glass	Option	Option	Standard
Thermal insulation	No	No	Standard
Cycle time	⌚ 32 min	⌚ 29 min	⌚ 25 min
<b>Time reduction</b>		-3 min	-7 min
<b>Energy (Kwh.) Saving</b>	💡 48 KWh/cycle	💡 43,5 KWh/cycle	💡 37,5 KWh/cycle

Data of the DTT60 gas heated dryer, with 100% load, with a full load of 100% cotton terry.



### TIME SAVING

With the ECO-ENERGY range you can achieve cycle times as low as

**25 min**

## 2 | ECO-ENERGY: COMPARISON

The range with the most features to ensure drying efficiency.

### ✓ AIR RE-CYCLE

Air recovery system for increased energy efficiency.

### ✓ EFFICIENT DRY

Smart moisture control.

### ✓ THERMAL INSULATION

Full isolated air flow circuit.

### ✓ FULL FLOW

Optimised axial-radial full air flow.

### ✓ REVERSE DRUM

standard in all models.

### ✓ FULL SCREEN FILTER:

filter with larger surface and improved air flow.

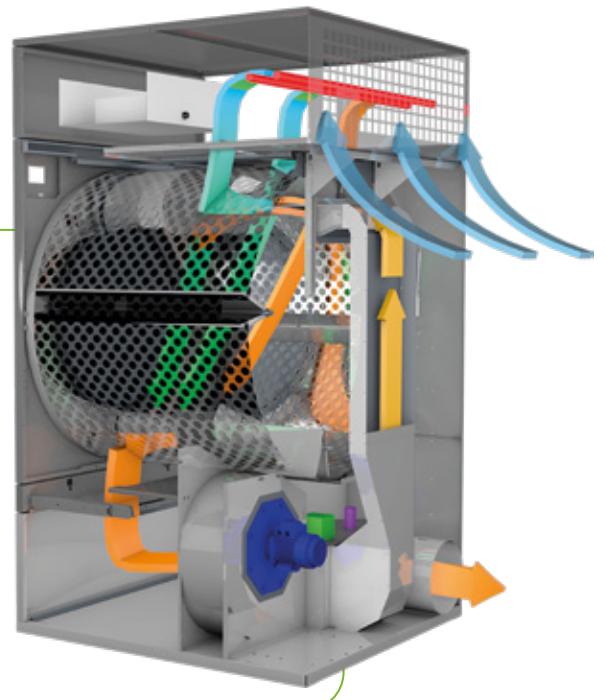




## AIR RE-CYCLE

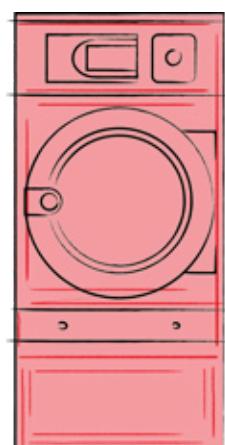
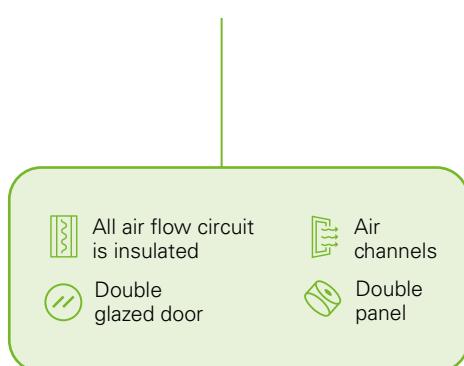
### Smart air recirculation system.

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



## THERMAL INSULATION

Thermal insulation to keep heat inside the machine.



THERMAL INSULATION



No thermal insulation

### 3 | FEATURE: EFFICIENT DRY

Intelligent humidity sensor. Standard on **ECO-ENERGY** models. Option on Dynamic (DTT and DTT2) and Heavy Professional (HPD with TOUCH II).



#### Optimised spinning speed

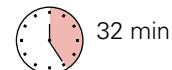
The Efficient Dry adapts the drum's spinning speed to the moisture level in each drying phase.

Turning speed "rpm"

% RM moisture sensor



**EFFICIENT DRY  
OFF**



Time cycle (min.)

**EFFICIENT DRY  
ON**



-3 min

⌚ Time reduction

We shorten the cycle time so we save energy (especially in partial loads) but we also take care of garments as they are not overdried. Cycle stops when the set moisture level is reached.

 Precision  
 Time



#### EFFICIENCY

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

## 4 | FILTER AND TURBINE

Optimised designs.

# 30% MORE OF EFFECTIVE SURFACE AREA

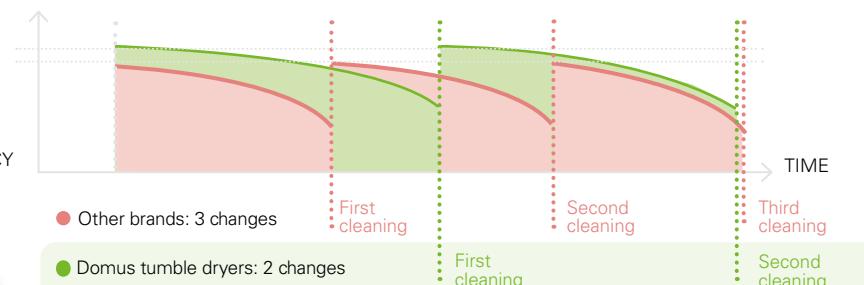
-  Efficiency
-  Dedication

**Filter cleaning:** for every 2 cleanings of our filter other brands need 3.



### Filter in drawer format

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



Increases the machine's efficiency over time:

1. Fewer times to clean the filter with your time commitment..
2. More efficient cycle time between each filter cleaning, improving the overall performance of the machine.
3. Increased machine uptime.

### Stainless steel filter mesh

Choose your stainless steel mesh size:  
standard 0,3 mm. Option: 0,6 mm / 1,2 mm



**Turbine:** air flow, with models of different sizes.

**+20%**

of increased performance thanks to the design.

### 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.



## 5 | HEAT PUMP

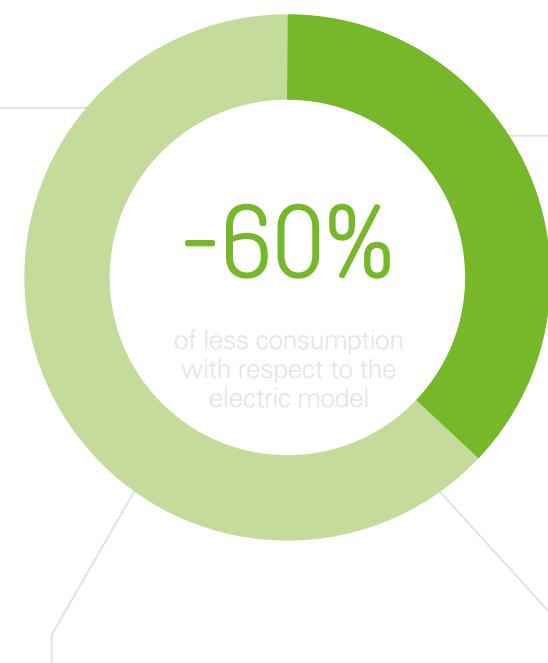
Two new ranges of heat pump tumble dryers.  
The most efficient.



- New models with heat pumps:
  - Industrial range, from 11 to 22 kg.
  - Heavy Professional range, from 8 to 10 kg..

## Reasons and advantages for the installation of 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

# ECOENERGY

HPD ELECTRIC

DRYER

**7,17 kW**



**HPD HPi DRYER**

**Heat pump**

**2,74 kW**

**»»» DIRECT SAVINGS**



## LOW POWER

- ✓ The heat pump tumble dryer consumes about **60 %** less installed power than a conventional electric model of the same capacity.
- ✓ Lower installed power means lower fixed power costs.

## EFFICIENT

Uses 0.5 kW / litres of evaporated water.

## OPTIMISED CYCLE TIME

Full load, with towels 100% cotton towels

HPD HPi dryer → **70 minutes**

60% loading, with towels 50% polyester / 50% cotton blend

HPD HPi dryer → **35 minutes**

New





# FLATWORK IRONER

**1 | RADIANT BURNER:** The most efficient.

**2 | EFFICIENT IRON**

**3 | OPTIMAL FEEDING**

New

**4 | BUILT-IN LONGITUDINAL FOLDER:**

New CF flatwork ironers.

## 1 | RADIANT BURNER

The most efficient. Available in Ø 325 and the new CF 500 and 650 mm flatwork ironers.

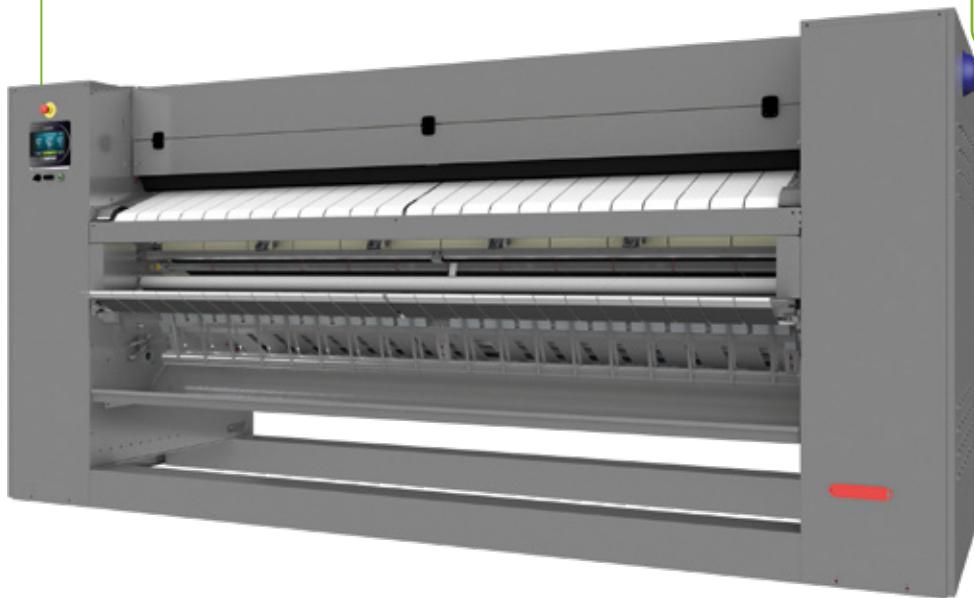


Atmospheric burner

VS



Radiant burner



## ADVANTAGES

- With similar gas consumption, the hourly **productivity** of the ironers is **increased by 25%** compared to the same machine with atmospheric gas burner.
- They can be used in high altitude locations and without the oxygen level problem affecting combustion.

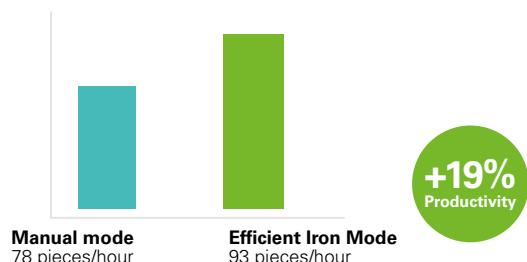
New

## 2 | EFFICIENT IRON

- Production
- Energy

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

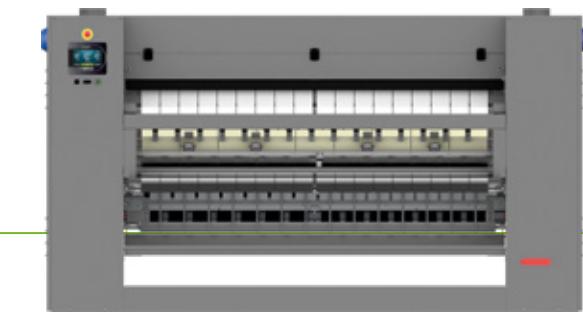
Example: CF Flatwork ironer (ø 650)



### ADVANTAGES

- ✓ Energy savings.
- ✓ Increased production.
- ✓ Gentle treatment of garments.

### OPTIMISED IRONING TIME



## 3 | OPTIMAL FEEDING

With the linen insertion sensor and LED indicators, we can adapt the feeding speed to optimise the productivity.

Example: CF Flatwork ironer (ø 650)



Manual Mode  
78 pieces/hour

Optimal feeding Mode  
moisture control and speed in introduction:  
100-110 pieces/hour



## 4 | INTEGRATED LENGTHFOLDERS NEW CF FLATWORK IRONERS

- ✓ Ø500 and Ø650mm roller ranges.
- ✓ Efficiency in the process, from manual to automatic.
- ✓ High bending speed for increased productivity.
- ✓ Time-saving LED indication of availability.
- ✓ Automatic mode to detect sheet dimensions: efficiency and time saving.



Folding options and exits:

- + **SRE**: Standard rear exit without folder.
- + **LF**: Front exit with integrated longitudinal folder.
- + **LFRE**: Front and rear exit with integrated longitudinal folder.

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**ONNERA GROUP**



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