FLATWORK DRYER IRONERS

INTERACTIVE CATALOGUE



WHEN PERFECT IRONING IS A MUST

Danube International supplies a full range of cylinder heated long lasting flatwork dryer ironers. Simple or equipped with sophisticated devices, these machines are designed for high performance and energy savings.

Danube range of flatwork ironers are built to meet the needs of hotels, healthcare facilities, nursing homes and on premises laundries. Designed to improve the production efficiency of our customers and to reduce operating costs, they are recognized among the dryer ironers to be functional and safely easy to use. Innovative and compact, they save space and offer various options which make them adaptable to most of the requirements.

4 ranges are available:

- ø 200 and 325 mm roll with new working widths and new BM control to be more productive, more efficient and suitable for most needs.

- ø 500 and 650 mm with ET2 control, fully programmable, allowing significative energy and time savings thanks to numerous standard features or options.





RANGE OF MODELS

FLATWORK IRONERS - Ø 200 mm BM							
CONTROL TYPE	HEATING	WORKING WIDTH	WORKING WIDTH				
	HEATING	1,40 m	1,60 m	2 m			
BM control	Electric	MICRA-14 BM	MICRA-16 BM	MICRA-20 BM	NEV		

FLATWORK IRONERS - Ø 325 mm BM							
CONTROL TYPE		WORKING WIDTH					
	HEATING	1,40 m	1,60 m	2 m			
BM control	Electric or gas (G)	D-14 BM	D-16 BM	D-20 BM	NE		

FLATWORK IRONERS Ø 325 MM - GOLD						
CONTROL TYPE		WORKING WIDTH				
	HEATING	2 m	2,60 m	3,30 m		
BM control	Electric or gas (GR)	D-20 GOLD	D-26 GOLD	D-33 GOLD	NEW	

FLATWORK IRONERS - Ø 500 mm ET2 GOLD							
		WORKING WIDTH					
CONTROL TYPE	HEATING	2 m	2,60 m	3,3 m			
ET2 control	Electric, gas (G - GR) or steam	M-20 ET2	M-26 ET2	M-33 ET2			

FLATWORK IRONERS - Ø 650 mm ET2 GOLD							
		WORKING WIDTH					
CONTROL TYPE	HEATING	2 m	2,60 m	3,3 m			
ET2 control	Electric, gas (GR) or steam	G-20 ET2	G-26 ET2	G-33 ET2			

HEATING CODES: E = ELECTRIC, G = GAS, GR = RADIANT GAS, S = STEAM

DRYING IRONING



Ø 200 mm

MICRA RANGE : MICRA-BM

- Solution Dries and irons flat linen directly from a high spin washer extractor in a single operation.
- Ø Front feeding and return.
- S Electric heating.
- 𝐼 Sizes: 1,40 m / 1,60 m / 2 m.
- New BM control: selection of speed and temperature. AUTO mode: automatic adjustment of the ironing speed according to the temperature selected.
- 𝞯 Ironing speed: 1,5 to 6 m/min.
- 𝐼 Motor with speed inverter.
- 𝔄 Ironing by NOMEX belts.
- Skinplate and stainless-steel panels.

DRYING IRONING



Ø 325 mm

DELTA RANGE: D-BM

- Solution Dries and irons flat linen directly from a high spin washer extractor in a single operation.
- \oslash Front feeding and return.
- Selectric or gas heating (atmospheric burners).
- Sizes: 1,40 m / 1,60 m / 2 m.
- New BM control: selection of speed and temperature. AUTO mode: automatic adjustment of the ironing speed according to the temperature selected.
- ⊘ Ironing speed: 1,5 to 10 m/min.
- 𝔄 Motor with speed inverter.
- 𝔄 Ironing by NOMEX belts.
- Skinplate and stainless-steel panels.

OPTIONS:

CARE IRON : humidity control with automatic ironing speed regulation Nickel plate cylinder.

Ø 325 mm GOLD

DELTA RANGE: D-GOLD (EFFICIENT RANGE)

- Solution Dries and irons flat linen directly from a high spin washer extractor in a single operation.
- ✓ Front feeding and return.
- Selectric or gas heating (Radiant burners).
- Sizes: 2 m / 2,60 m / 3,30 m.
- New BM control: selection of speed and temperature. AUTO mode: automatic adjustment of the ironing speed according to the temperature selected.
- ✓ Ironing speed: 1,5 to 12 m/min.
- Motor with speed inverter.
- ✓ Ironing by NOMEX belts.
- Skinplate and stainless-steel panels.

OPTIONS:

CARE IRON : humidity control with automatic ironing speed regulation Nickel plate cylinder.

Ø 200 / Ø 325 mm



NEW BM CONTROL

· 3 selectable operating modes:

1. MANUAL MODE: Selection of speed and temperature.

2. AUTO MODE: automatic adjustment of the ironing

speed according to the temperature selected.

3. CARE IRON humidity mode (option for ø 325 mm): automatic adjustment of ironing speed according to the humidity detected in the laundry.



ROBUSTNESS

- · Roll driving by inverter: smooth operation preventing the wear of belts and mechanical elements.
- · Skinplate and stainless steel panels: long lasting.
- · NOMEX quality ironing belts: high temperature resistant.
- Optional nickel plate roll: anticorrosive, more durable (ø 325 mm only, not available on ø 200 mm).



EFFICIENCY

- CARE IRON: automatic regulation of ironing speed according to residual moisture, energy economizer (Option on ø 325 mm).
- · Good heat conduction thanks to the roll material and its thickness : greater control of energy expenditure.
- . Fume circulation circuit from the bottom reducing energy consumption.
- Automatic shutdown at 80°C: increases life time of ironing belts. Adjustable with BM control.
- Accurate temperature control and lower energy consumption.
- \cdot Gas model with radiant burners: better hourly output by
- 25 %, time and energy savings.



GOLD ranges:

• Gas radiant burner model : flexibility for a better production (25 % increase) or adaptation to high level places.



EASY MAINTENANCE

- · Easy access to all components on both sides of the machine.
- · Compact dimensions: save place.



- · Acoustic comfort: 65 dba max.
- Skinplate and stainless steel panels: easy to clean, better hygiene (RABC compliance).

- Minimal encumbrance: space saving.
 New BM control: user-friendly and easy to read.
 Appropriate working height: 990 mm feeding bands.





Display of temperature and speed: easy to read

Adjustable temperature and ironing speed

With manual mode: better ironing management, accurate and adaptable.

Auto mode

Automatically maintains the selected ironing temperature without intervention, heating performance, better output, energy savings.

Care Iron

Option (available on ø 325 mm): possibility to select this mode to automatically adapt the ironing speed according to the residual moisture of the laundry.



The new Gold ranges come with several energy and time saving features

Care Iron

Automatic regulation of ironing speed according to residual moisture, energy economizer (option on \emptyset 325 mm).

Accurate temperature control

Thanks to new BM control with temperature selection.

Automatic shutdown at 80 °C

Increases the life time of ironing belts.

Good heat conduction

Thanks to the material of the roll and its thickness: greater control of the energy expenditure.

Radiant gas burner heated model

hourly output is increased by 25 %: time and energy savings.

In a laundry, machinery is the tip of an iceberg. Danube pays a specific attention to the invisible part, to optimize resources throughout the life cycle of machines.





Our flatwork ironers have been designed to last and preserve main components as much as possible



Nomex quality ironing belts

High temperature resistant.

Skinplate and stainless steel panels

Long lasting and easy to clean.

Roll driving by inverter

Smooth operation preventing the wear of belts and mechanical elements.

Nickel plate roll (opt.)

Anti-corrosive, more durable (option ø 325 mm).



As health and safety at work had become an important issue, our equipment is designed to be the most comfortable for users



Acoustic comfort

65 dba max.

Skinplate and stainless steel panels

Easy to clean, better hygiene: RABC compliance.

Motor with inverter

Providing a gradual acceleration, soft use.

Minimal encumbrance

Save space, fits in most of areas.

User friendly control

New BM electronic control. Selection of an adaptable speed and temperature. Auto mode enabling an automatic ironing operation.

Appropriate operating height

990 mm at feeding bands.



One of DANUBE concerns is to make life easier for our clients. That includes offering quality equipment and parts of reputed brands, which demand little maintenance.

One electrical connection and exhaust required

Easy access to all components

On both sides of the machine.

Minimal encumbrance

Fits most spaces.





DRYING IRONING FOLDING (OPT)



Ø 500 MM GOLD

MAXIMA RANGE: M-ET2 (EFFICIENT RANGE)

- ♂ Dries and irons flat linen directly from a high spin washer extractor in a single operation.
- Second Front feeding and return.
- Selectric, gas or steam heating. Radiant gas burner model available.
- Sizes: 2 m / 2,60 m / 3,30 m.
- ET2 microprocessor control with 7" coloured touch screen, fully programmable, 5 preset programs.
- Ø Ironing speed: 0,5 to 8 m/min.
- ⊘ Reversing roll as standard.
- ⊘ Motor with speed inverter.
- 𝔄 Ironing by Nomex belts.
- 𝞯 Built-in cool down system.
- Skinplate and stainless steel panels.

OPTIONS:

- CARE IRON Humidity control with automatic ironing speed regulation.
- Nickel plate cylinder.
- HPS: high productivity system with ironing speed until 15 m/mn and reduced speed for feeding help.
- Built-in lengthwise folder with or without rear exit.

DRYING IRONING FOLDING (OPT)



Ø 650 MM GOLD

GIGA RANGE: G-ET2 (EFFICIENT RANGE)

- ✓ Dries and irons flat linen directly from a high spin washer extractor in a single operation.
- \bigotimes Front feeding and return.
- ${igodot}$ Electric, radiant gas or steam heating.
- Sizes: 2 m / 2,60 m / 3,30 m.
- ET2 microprocessor control with 7" coloured touch screen, fully programmable, 5 preset programs.
- Ø Ironing speed: 0,5 to 15 m/min.
- 𝞯 Reversing roll as standard.
- ⊘ Motor with speed inverter.
- 𝔄 Ironing by Nomex belts.
- 𝞯 Built-in cool down system.
- Skinplate and stainless steel panels.
- ✓ CARE IRON Humidity control with automatic ironing speed regulation as standard.
- HPS: high productivity system with ironing speed until 15 m/mn and reduced speed for feeding help as standard.

Ø OPTIONS:

- Nickel plate cylinder.
- Built-in lengthwise folder with or without rear exit.

Ø 500 / Ø 650 mm



- Fully programmable ET2 control with 7" touch screen
- · 5 preset programs.
- · 37 available languages.
- · USB connection: free software online for programming, telemetry, data analyses...
- Danube Online Connectivity ready.
- . Reversing roll as standard.



ROBUSTNESS

- · Roll driving by inverter: smooth operation preventing the wear of belts and mechanical elements.
- · Skinplate and stainless steel panels: long lasting.
- · NOMEX quality ironing belts: high temperature resistant.
- · Optional: nickel plate roll anticorrosive, more durable.



EFFICIENCY

- · CARE IRON : automatic regulation of ironing speed according to residual moisture, energy economizer (standard on ø 650 mm, optional on ø 500 mm).
- · Good heat conduction thanks to the roll material and its thickness : greater control of energy expenditure.
- . Fume circulation circuit from the bottom reducing energy consumption.
- · Automatic shutdown at 80°C : increases life time of ironing belts.
- · Accurate temperature control and lower energy consumption.
- · Gas model with radiant burners: better hourly output by 25 %, time and energy savings.
- \cdot HPS : high production system with automatic adjustment of ironing speed , lowered for feeding and increased up to 15 m/min for an optimized production (standard on ø 650 mm, optional on ø 500 mm).



VERSATILITY

- Radiant gas burner model : flexibility for a better. production (25 % increase) or adaptation to high level places.
- · Built-in lengthwise folder.
- · Rear exit (only available with lengthwise folder)
- . Possibility of adding an independant crossfolder and stacker



- · Easy access to all components on both sides of the machine.
- · Compact dimensions: save place, same dimensions with built-in folder for easier installation.
- · No specific installation required : electricity and exhaust
- · Remote communication: quick intervention.



ERGONOMICS

- · Acoustic comfort: 65 dba max.
- · Skinplate and stainless steel panels: easy to clean, better hygiene (RABC compliance).
- Minimal encumbrance: space saving.
 ET2 microprocessor: fully and easily programmable, easy to read with large display.
 Appropriate working height: 1.120 mm at feeding bands.



- · Danube Online communication standard: machine monitoring, error warning, telemetry and statistics. Remote desk and date recovery for technicians and maintenance, software update, etc.
- · Laundry management: DANUBE IoT solution allows to monitor and manage your laundry.





Touch Screen 7"

Coloured touch screen: 7" touchscreen. Fully programmable: 5 preset programs, customization of programs according to each need.

37 languages

Available and easy to configurate, thanks to DANUBE aim to be accessible to everyone.





USB connection

PC software free of charge for programming, traceability, data analyses...

IoT Danube Online

The ET2 control allows to receive information through the cloud for telemetry and statistics enabling a good analysis to ensure the best hygiene.





CONNECTIVITY A LOT OF ADVANTAGES :



DANUBE ONLINE Standard

on all ranges equipped with $\mbox{ET2}$ control : free and easy connection to \mbox{IoT}



Owners

- S Improves usability, efficiency and comfort.
- Susiness control: configurable production reports, cycles, consumption, income, etc...
- Ensures the washing and drying processes, ensuring hygiene and disinfection, washing quality, etc...
- + information + safety + control



Dealers

- ⊘ Technological base for new businesses, renting, maintenance contracts, self-services, etc.
- ⊘ Databases of installed machines, geographical distribution, models, etc...
- Greater added value of Danube machines for the customer.
- + communication + usability + control









Technical service

- ⊘ Improvement of customer service
- ⊘ Improved processes, more efficient and lower costs, avoiding unnecessary trips.
- ⊘ Remote troubleshooting, maintenance programs.
- ✓ Telemetry of programs, complete information of all the programs carried out.
- Access to technical documentation, videos, etc.

+ information + support + efficiency



The Gold ranges come with several energy and time saving features

Care Iron

Automatic regulation of ironing speed according to residual moisture, energy economizer.

Good heat conduction

Thanks to the material of the roll and its thickness: greater control of the energy expenditure.

Accurate temperature control

Thanks to the microprocessor (except steam models): lower energy consumption.

Automatic shutdown at 80 °C

Increases the life time of ironing belts.

Radiant gas burner heated model

hourly output is increased by 25 %: time and energy savings.

WATCH VIDEO

HPS system (High Production Speed)

Automatic adjustment of ironing speed, lowered for feeding and increased for higher production up to 15 m/min. (option on \emptyset 500 mm and standard on \emptyset 650 mm).





Our flatwork ironers have been designed to last and preserve main components as much as possible



Nomex quality ironing belts

High temperature resistant.

Skinplate and stainless steel panels

Long lasting and easy to clean.

Roll driving by inverter

Smooth operation preventing the wear of belts and mechanical elements.

Nickel plate roll (opt.)

Anti-corrosive, more durable.



As health and safety at work had become an important issue, our equipment is designed to be the most comfortable for users

Acoustic comfort

65 dba max.

Skinplate and stainless steel panels

Easy to clean, better hygiene: RABC compliance.

Minimal encumbrance

Both ø 500 and 650 mm models with identical dimensions to fit most spaces.

Built-in lengthwise folder to keep the same dimensions as the ironer.

Motor with inverter

Providing a gradual acceleration, soft use.

User friendly control

ET2 with large touchscreen, fully programmable.

Appropriate operating height

1120 mm at feeding bands.



Our Gold flatwork ironers have been designed to be equipped with several options in order to meet all kind of requirements

Radiant gas burner

Flexibility for a better production or adaptation to high level places with less oxygen.



Rear Exit (with folder)

As option with the built-in lengthwise folder, making easier handling operations.

Integrated lengthwise folder as option

Do not take more place than the single ironer, same encumbrance for ø 500 & 650 models.



Cross folder

Possibility of adding an external cross folder and stacker to increase productivity (only with model equipped with folder + rear exit).







One of DANUBE concerns is to make life easier for our clients. That includes offering quality equipment and parts of reputed brands, which demand little maintenance

One electrical connection and exhaust required

Minimal encumbrance

Fits most spaces.

Easy access to all components

On both sides of the machine.

Remote communication with ET2

Quicker intervention.

Technical menu with ET2



FLATWORK IRONERS TECHNICAL DATA

			Ø 200			Ø 325				
	UNIT.			MICRA-20	D-14 BM	D-16 BM	D-20 BM	D-20	D-26	D-33
GENERAL DETAILS		BM	BM	BM				GOLD	GOLD	GOLD
Theorical production 45% humidity										
Electric heating	Ka /h	10 - 12	13 - 15	19 - 21	15 - 18	25 - 30	35 - 40	45 - 50	50 - 60	75 - 85
Atmo. gas heating	Kg/h	N/A	N/A	N/A	15 - 18	25 - 30	35 - 40	43-30 N/A	N/A	N/A
Radiant gas heating	Kg/h Kg/h	N/A	N/A	N/A	N/A	23 - 30 N/A	N/A	60 - 65	70 - 75	90 - 100
Steam heating	Kg/h	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90-100 N/A
Roll Ø	mm	200	200	200	325	325	325	325	325	325
Working width	mm	1.400	1.600	2.000	1.400	1.600	2.000	2.000	2.600	3.300
Height floor-feeding belts	mm	990	990	990	990	990	990	990	990	990
Working speed	mt/min	1.5 - 6	1.5 - 6	1.5 - 6	1.5 - 10	1.5 - 10	1.5 - 10	1.5 - 12	1.5 - 12	1.5 - 12
Control		BM	BM	BM	BM	BM	BM	BM	BM	BM
No. Programs	N°		standard mod			standard mod			standard mod	
Length folder	N°	No	No	No	No	No	No	No	No	No
Large surface contact with linen	0	270	270	270	270	270	270	270	270	270
POWER		2/0	270	2/0	270	2/0	2/0	2/0	2/0	2/0
Electric										
Heating power	Kw	10,5	12	18	12	16,2	21	31,5	40,5	54
Total electric power	Kw	10,3	12,34	18,37	12,37	16,57	21,49	32,02	41,02	54,52
Gas	INVV	10,04	12,04	10,57	12,07	10,57	21,49	52,02	41,02	54,52
Heating power	Kw	_	_	_	14	22,5	30	40	55	69
Total electric power	Kw	_	_		0,37	0,37	0,49	0,52	0,52	0,52
Steam	INVV				0,37	0,37	0,49	0,52	0,52	0,52
	Kw		_	_		_	_			_
Heating power	Kw									
Total electric power			_							
Steam comsumption	Kg/h Kw	0,28			-		-	-		
Roll motor power	Kw		0,28	0,28	0,28	0,28	0,28	0,37	0,37	0,37
Fan motor power CONNECTIONS	NW	0,09	0,09	0,09	0,12	0,12	0,12 x 2	0,12 x 2	0,12 x 2	0,12 x 2
Ø Gas inlet	BSP			_	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Ø Steam inlet	BSP	_						1/2		
Ø Condensed (Steam models)	BSP	-	_	_	_		_			
DIMENSIONS	DGF	-	-	-	_	-	_	-	_	_
Width	20.00	1878	2128	2478	1952	2202	2552	2552	3202	3852
Depth	mm			444* (666)	686	686	686	686	686	686
Height	mm	1110	1110	1110	1112	1112	1112	1112	1112	1112
Weight	mm Ka	180	203	237	330	385	435	435	545	655
PACKING DIMENSIONS	Kg	180	203	237	330	300	435	435	545	000
Width	20.00	2130	2340	2780	2340	2340	2780	2780	3430	3980
	mm	770	770	770	770	770	770	770	770	770
Depth	mm	1400	1400	1400			1400		1400	1400
Height	mm Ka			275	1400	1400		1400 458		700
Veight Volume	Kg m3	220	240		365	405	458		585	
OTHERS	m3	2,30	2,52	3,00	2,52	2,52	3,00	3,00	3,70	4,29
	N°]	1	1	1]	2	2	2	2
No. Fume outlet		83	83	83	98	98	98	 98	98	98
Air flow	mm m3/h	300	300	300	500	500	1000	1000		1000
									1000	
Noise Level	dB	55	55	55	60	60	63	63	63	63
Evaporation power Additional ELECTRIC POWER for folder option	l/h kW	8 - 10	- 10 - 12	- 14 - 18	7 - 14	- 14 - 21	21 - 28	21 - 30	23 - 34	34 - 45
Additional ELECTRIC POWER for folder	kW									

* Rear fan removed DANUBE reserves the right to modify the technical data without notice

			Ø 500			Ø 650	
	UNIT.	M-20 ET2	M-26 ET2	M-33 ET2	G-20 ET2	G-26 ET2	G-33 ET2
GENERAL DETAILS							
Theorical production 45% humidity							
Electric heating	Kg/h	68	84	115	90	115	160
Atmo. gas heating	Kg/h	68	84	115	N/A	N/A	N/A
Radiant gas heating	Kg/h	82	100	138	104	132	184
Steam heating	Kg/h	68	84	115	-		-
Roll Ø	 mm	500	500	500	650	650	650
Working width	mm	2.000	2.600	3.300	2.000	2.600	3.300
Height floor-feeding belts	mm	1.120	1.120	1.120	1.120	1.120	1.120
Working speed	mt/min	0,5 - 8	0,5 - 8	0,5 - 8	0,5 - 15	0,5 - 15	0,5 - 15
Control		ET2	ET2	ET2	ET2	ET2	ET2
No. Programs	N°		5 preset program			5 preset program	
Length folder	N°	Opt	Opt	Opt	Opt	Opt	Opt
Large surface contact with linen	0	310	310	310	310	310	310
		010	010	010	010	010	010
Heating power	Kw	31,5	40,5	54	42	54	72
Total electric power	Kw	32,12	41,37	54,87	43,05	55,05	73,05
Gas	INVV	52,12	41,37	54,67	43,03	55,05	73,03
Heating power	Kw	40	55	69	52	69	78
	Kw		0,87		1,05	1,05	1,05
Total electric power	NW	0,62	0,87	0,87	1,05	1,05	1,05
Steam	K	50	64	81	40	7/	07
Heating power	Kw	50			60	76	97
Total electric power	Kw	0,62	0,87	0,87	1,05	1,05	1,05
Steam comsumption	Kg/h	50	67	85	60	80	102
Roll motor power	Kw	0,37	0,37	0,37	0,55	0,55	0,55
Fan motor power	Kw	0,25	0,25 x 2	0,25 x 2	0,25 x 2	0,25 x 2	0,25 x 2
		1 "	1 "	1 "	1 /0"	1 /0"	1 /0"
Ø Gas inlet	BSP]"]"]"	1/2"	1/2"	1/2"
Ø Steam inlet	BSP	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Ø Condensed (Steam models)	BSP	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
DIMENSIONS		00.15	0.1.15	41.45	00.15	0.1.15	41.45
Width	mm	2845	3445	4145	2845	3445	4145
Depth	mm	1070	1070	1070	1070	1070	1070
Height	mm	1420	1420	1420	1420	1420	1420
Weight	Kg	930	1180	1430	1189	1517	1765
PACKING DIMENSIONS							
Width	mm	3145	3745	4445	3145	3745	4445
Depth	mm	1153	1153	1153	1153	1153	1153
Height	mm	1672	1672	1672	1672	1672	1672
Weight	Kg	972	1470	1480	1231	1567	1815
Volume	m3	6,06	7,22	8,57	6,06	7,22	8,57
OTHERS							
No. Fume outlet	N°	1	2	2	2	2	2
Ø Fume outlet	mm	153	153	153	153	153	153
Air flow	m3/h	600	1200	1200	1200	1200	1200
Noise Level	dB	65	65	65	65	65	65
Evaporation power	l/h	30 - 36	38 - 45	51 - 62	40 - 46	51 - 60	72 - 82
Additional ELECTRIC POWER for folder option	kW	0,56	0,56	0,56	0,56	0,56	0,56
Additional ELECTRIC POWER for folder rear exit option	kW	0,74	0,74	0,74	0,74	0,74	0,74

DANUBE reserves the right to modify the technical data without notice

FLATWORK DRYER IRONERS

S DANUBE



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MORE INFO:







