



LEF : ENJOY QUALITY !



CONTENTS

ABOUT US & SERVICES

Page 2

ACCESS LINE Enjoy quality at a small price



Page 3

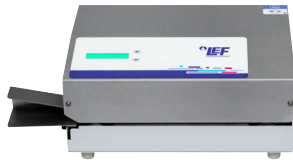


TS 45D / TS 45DN

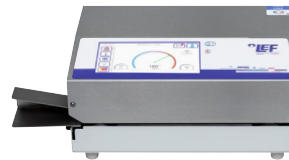
FLEX LINE High standard performance & versatility



Page 4 & 5



TS 46 & TS 46N



e-FLEX

PRINT LINE Printing & traceability



Page 6 & 7



TS 47 & TS 47N

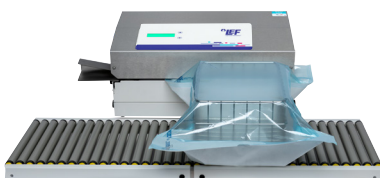


e-PRINT

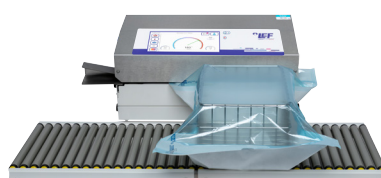
MAXI LINE Rotary technology for heavy packaging



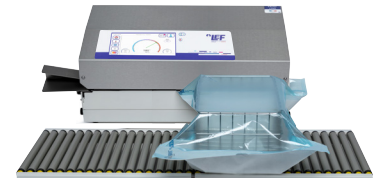
Page 8 & 9



TS 48 N



e-MAX



e-MAX P

TECHNICAL CHARACTERISTICS

Page 10

CONTACTS

Page 11

ABOUT US

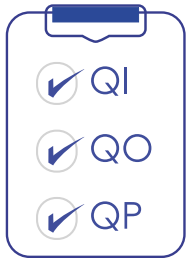


LEF SEALERS was founded in 1979 and is the 1st French creator and manufacturer of rotary sealers. A market leader in France, LEF keeps developing new ranges of sealers adapted to the different techniques of sterile packaging.

Supported by a fast developing network of distributors and partners, LEF is now present in more than 50 countries, and continues its international expansion.



OUR SERVICES



Operational Qualification



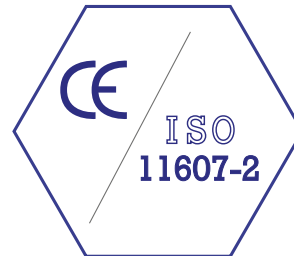
Spare parts & consumables on stock



Training of your technicians in our warehouse or by video



Training & troubleshooting by videoconferencing



Meets ISO specifications



LEF SEALER is involved in reducing its ecological footprint and is very attentive to the environmental impact of its innovations.

We are concerned to meet the requirements of our 3R approach (Reduce, Reuse, Recycle), and all our sealers can be cleanly recycled.



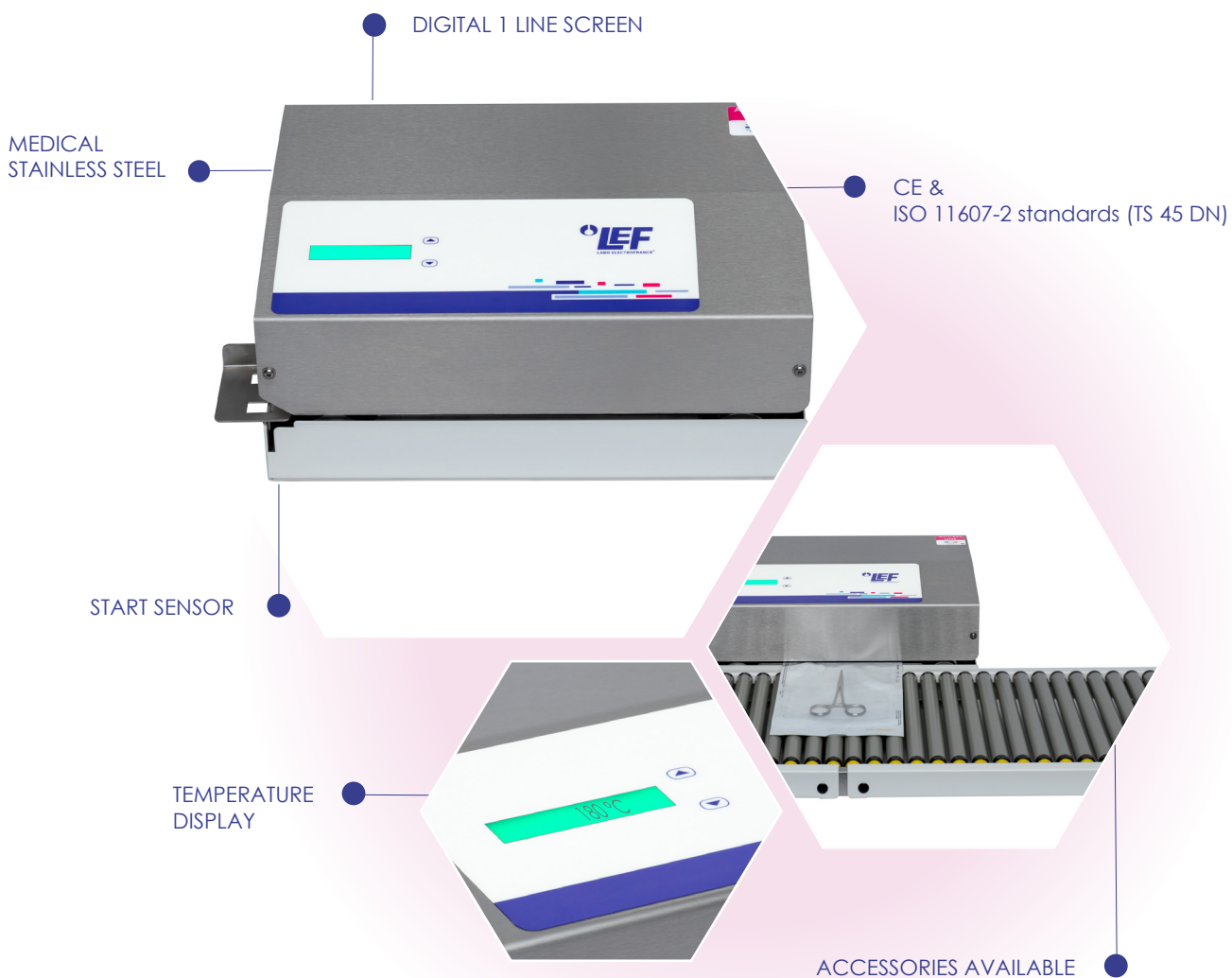
In order to reduce their energy consumption, LEF sealers are equipped with start sensors and/or standby systems.

ACCESS LINE

Enjoy quality at a small price



TS 45D / TS 45DN

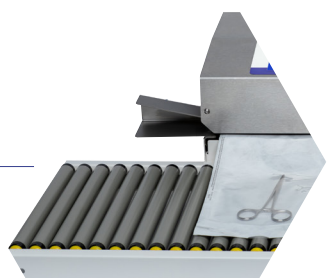


The ACCESS LINE is specially designed to provide small sterilisation units (dentists, research, veterinarians, ...) with the best sealing quality at the best price.

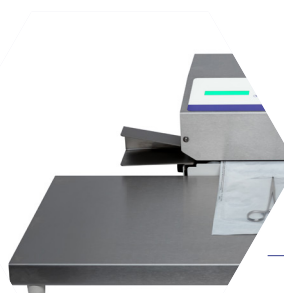
- ✓ The best value on the market
- ✓ A handy, compact, solid and reliable sealer

OPTIONS & ACCESSORIES

ROLL CONVEYOR



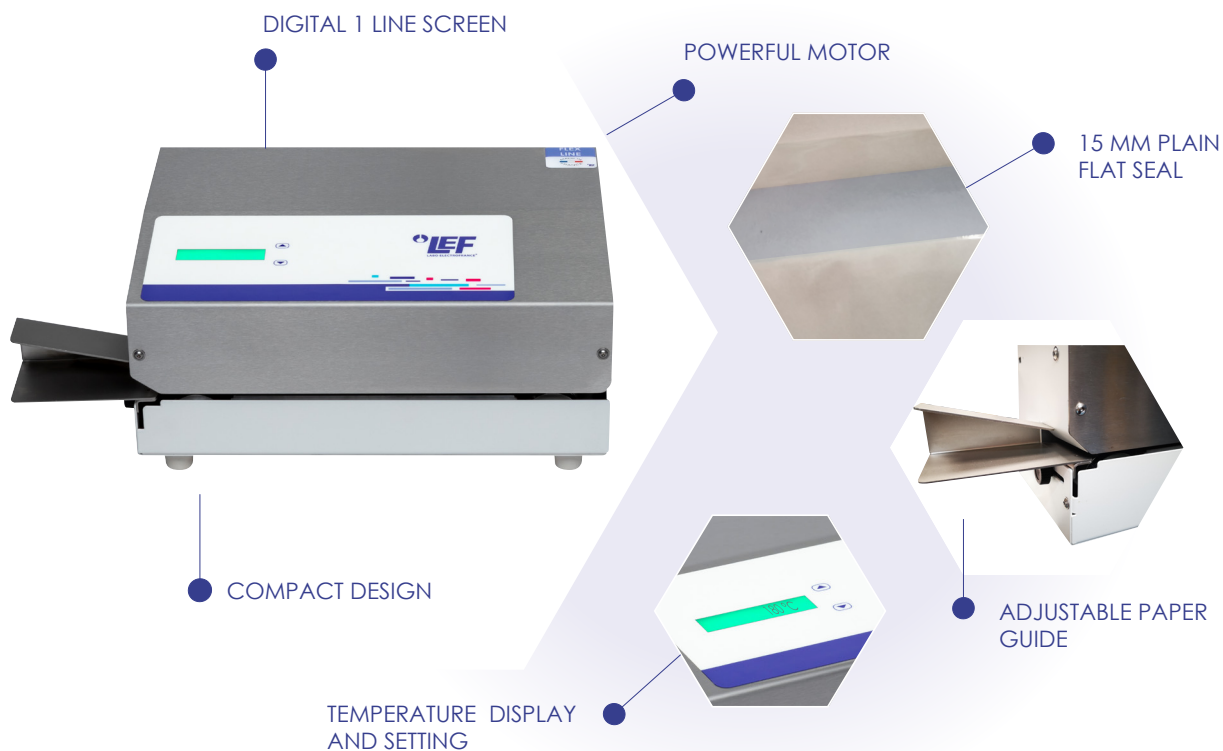
STAINLESS STEEL TABLE



FLEX LINE High standard performance & versatility



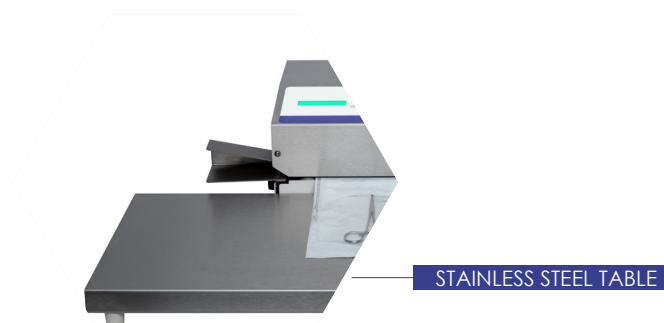
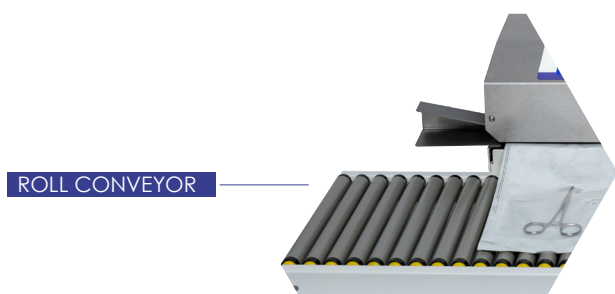
TS 46 / TS 46N



The FLEX LINE range fits all types of sterilization units (CSSD) while ensuring an optimal sealing quality, regardless of the sterilisation process (Steam, Tyvek®, OE, alu...).

- ✓ A range of compact and robust sealers
- ✓ Easy to use

OPTIONS & ACCESSORIES

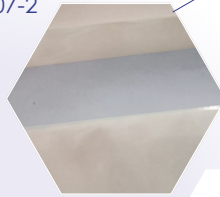


e-FLEX

7" TABLET FOR CONTROL & ISO MONITORING

ISO 11607-2

15 MM PLAIN FLAT SEAL



PRESET SEALING TEMPERATURES

ISO REPORT & MONITORING OQ INTEGRATED (Option)



OQ-ISO 11607-2 (T°, P, S) REPORT

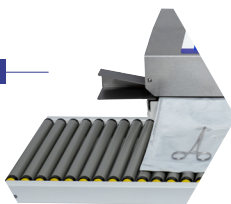
INTUITIVE AND SECURED CUSTOMISABLE MENU

The top-of-the-range rotary heat sealer of the FLEX LINE range offers ultra-fast handling and ensures optimal welding quality. Its intuitive and secure interface, at the cutting edge of technology, allows immediate visualization and control of all ISO parameters.

- ✓ Intuitive and innovative
- ✓ Traceability and data management

OPTIONS & ACCESSORIES

ROLL CONVEYOR

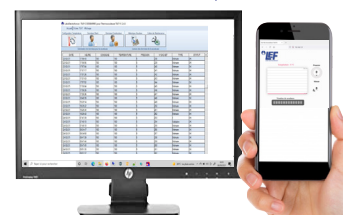


OQ EDIT

OQ REPORT: MAINTENANCE & ISO 11607-2



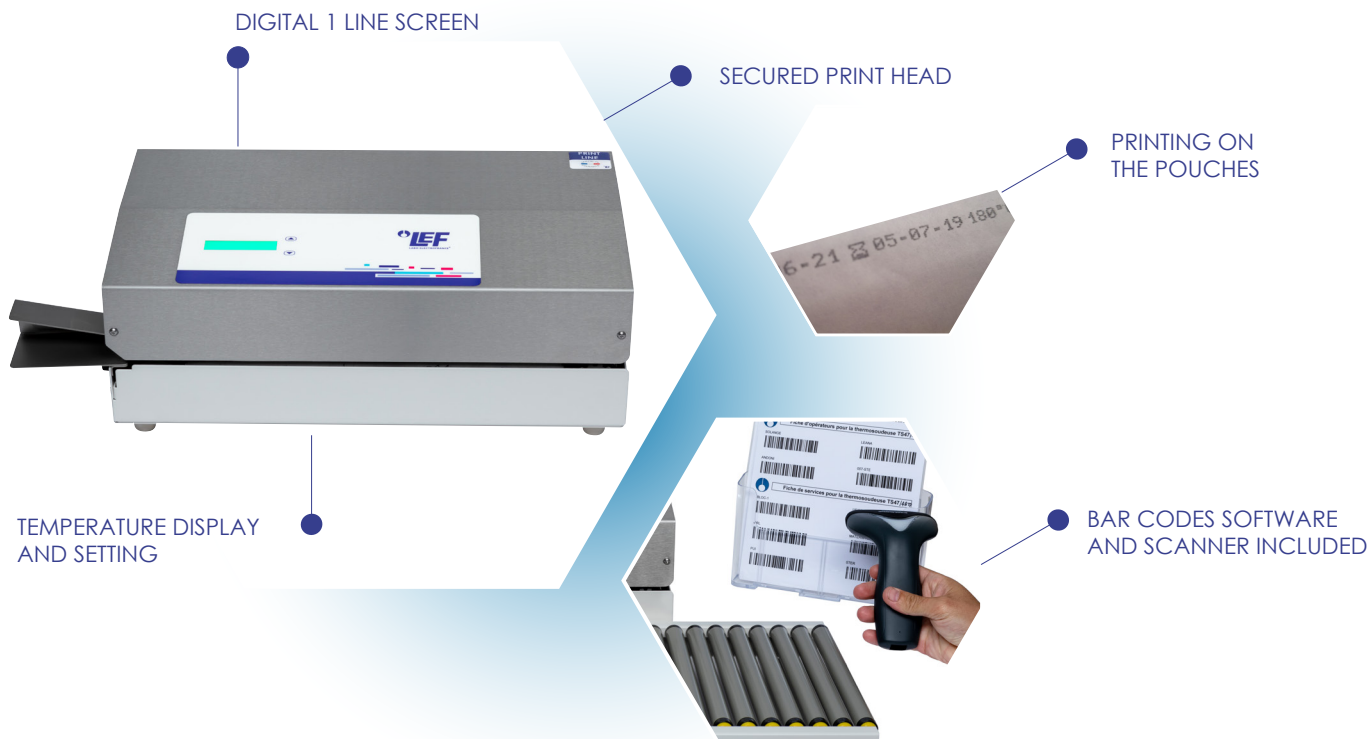
NETWORK & USB CONNECTION



STAINLESS STEEL TABLE



TS 47 / TS 47N



Thanks to its bar code scanner, the PRINT LINE range is amazingly easy to use. It offers a perfectly readable 1 line printout of your personalised data on the pouches (dates, services, agents, lot n°...).

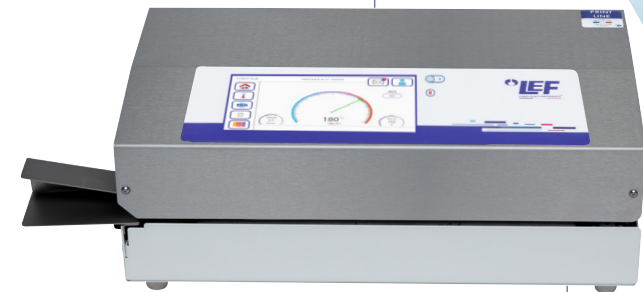
- ✓ Printing on pouches
- ✓ Easy to use

OPTIONS & ACCESSORIES



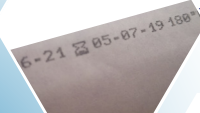
e-PRINT

7" TABLET FOR CONTROL & ISO MONITORING



PRINTING ON THE POUCHES

ADAPTABLE TEXT FONT



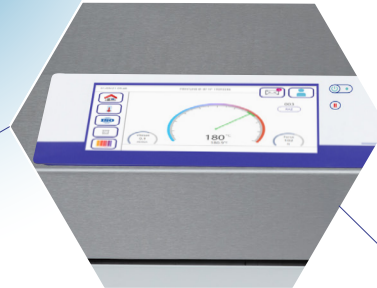
BAR CODES SOFTWARE AND SCANNER INCLUDED



OQ-ISO 11607-2 (T°, P, S) REPORT



INTUITIVE AND SECURED CUSTOMISABLE MENU



PRESET SEALING TEMPERATURES

The top-of-the-range sealer of the PRINT LINE range offers ultra-fast handling thanks to its barcode scanner reader and allows the printing of your personalized data on bags (dates, services, agents, lots, ...)

Its intuitive and secure interface, at the cutting edge of technology, allows immediate visualization and control of all ISO parameters.

- ✓ Traceability, monitoring and analysis of critical parameters
- ✓ Instantaneous and on-demand data transfer

OPTIONS & ACCESSORIES

ROLL CONVEYOR

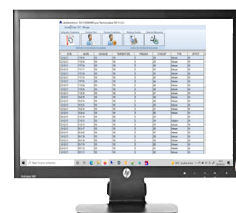


OQ EDIT



OQ REPORT: MAINTENANCE & ISO 11607-2

NETWORK & USB CONNECTION



STAINLESS STEEL TABLE



TS 48 N



The MAXI LINE is the only range of rotary heat sealers to be able to seal the largest (double DIN basket) and heaviest (over 10kgs) loads.

- ✓ Perfectly seals all types of peelable bags (Ultra®, Tyvek®, Cleantex®, Integrapak®, steam, ...)
- ✓ Ergonomics adapted to bulky loads
- ✓ Handling assistance for increased comfort of the user

MAXI LINE Rotary technology for heavy packaging



e-MAX / e-MAX P

7" TABLET FOR CONTROL & ISO MONITORING

POWERFUL MOTOR ADAPTED TO HEAVY AND BULKY LOADS

ADJUSTABLE HEIGHT

EXTRA WIDE ROLL CONVEYOR INCLUDED

PRESET SEALING TEMPERATURES



OQ-ISO 11607-2 (T°, P, S) REPORT



INTUITIVE AND SECURED CUSTOMISABLE MENU



BAR CODES SOFTWARE AND SCANNER INCLUDED (E-MAX P)

The MAXI LINE is the only range of rotary heat sealers to be able to seal the largest (double DIN basket) and heaviest (over 10kgs) loads.

- ✓ Perfectly seals all types of peelable pouches (Ultra®, Tyvek®, Cleantex®, Integrapak®, steam, ...)
- ✓ Transfer of operational qualifications (OQ) data instantaneously and on demand

OPTIONS & ACCESSORIES

NETWORK & USB CONNECTION



OQ EDIT

OQ REPORT: MAINTENANCE & ISO 11607-2





	ACCESS LINE		FLEX LINE			PRINT LINE			MAXI LINE		
	TS 45D	TS 45DN	TS 46	TS 46N	e -FLEX	TS 47	TS 47N	e -PRINT	TS 48N	e -MAX	e -MAX P
TECHNICAL CHARACTERISTICS											
Type : Rotary heat sealer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Printout (texts & symbols): date, expiry date, users, batch, sealing counter, temperature, pressure and free text...	-	-	-	-	-	✓	✓	✓	-	-	✓
Standards: CE / CEM / EN-868-5 / DIN 58953-7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Standards: EN 868-5 & DIN 58953-7	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Standard: EN ISO 11607-2	-	✓	-	✓	✓	✓	✓	✓	✓	✓	✓
Operational qualifications IQ-OQ-PQ (COFRAC att.)	option	option	option	option	option	option	option	option	option	option	option
OQ EDIT- integrated self-test printer for the editing of monitoring reports ISO 11607-2 (Temperature, force, speed, maintenance)	-	-	-	-	option	-	-	option	-	option	option
Bar codes scanner & software	-	-	-	-	option	✓	✓	✓	-	option	✓
Display / screen	1 line LCD	1 line LCD	1 line LCD	1 line LCD	7" tablet	1 line LCD	1 line LCD	7" tablet	1 line LCD	7" tablet	7" tablet
Multifunctional intuitive menu (graphics, counters, informative messages, multilingual, alphanumeric keyboard...)	-	-	-	-	✓	-	-	✓	-	✓	✓
Exportable computer traceability via USB or LAN (Ethernet)	-	-	-	-	option	-	-	option	-	option	option
Integrated digital service and maintenance notebook	-	-	-	-	✓	-	-	✓	-	✓	✓
Temperature range	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C	20-230 °C
Pre-set temperatures	-	-	-	-	✓	-	-	✓	-	✓	✓
Temperature regulation tolerance	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
Safety: automatic start-up at setpoint	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety: automatic overheating stop (250°C)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety: control & validation of the critical parameters according to ISO 11607-1 (temperature / force / speed)	-	T° / F	-	T° / F	T° / F / S	-	T° / F	T° / F / S	T° / F	T° / F / S	T° / F / S
Safety: automatic stop if critical parameters exceed limits	-	✓	-	✓	✓	-	✓	✓	✓	✓	✓
Automatic start & stop sensor & stand-by	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Adjustable paper guide	fixed 30 mm	fixed 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm	0 to 30 mm
Sealing characteristics	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm	flat-15 mm
Sealing length	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited	unlimited
Compatible sealable pouches & reels : steam / OE / alu / Tyvek® / ULTRA®...	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Non-sterile & pasteurisable packaging : PE/PET, PE/ALU, Alu/Alu, Alu/paper, PE/ recyclable paper... (other components after verification)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Main connection / frequency	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz	230V - 50/60 Hz
Power	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.	400 W max.
Max. scrolling speed	7,2 M/m	7,2 M/m	10 M/m	10 M/m	10 M/m	10 M/m	10 M/m	10 M/m	10 M/m	10 M/m	10 M/m
Dimensions L x l x H (mm) (including paper guide)	380 x 240 x 150	380 x 240 x 150	439 x 244 x 162	439 x 244 x 162	439 x 244 x 162	555 x 265 x 178	555 x 265 x 178	555 x 265 x 178	555 x 265 x 265	555 x 265 x 265	555 x 265 x 265
Weight (Kg)	8	8	10,5	10,5	11	13,5	13,5	16	16,5	16,5	17
Manufacturer LEF - manufacturing country	France	France	France	France	France	France	France	France	France	France	France
Body material	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy	stainless steel / epoxy
ACCESSORIES & OPTIONS											
Stainless steel table (620 x 210 x 50 mm)	option	option	option	option	option	option	option	option	option	option	option
Roll conveyer (800 x 295 x 50 mm)	option	option	option	option	option	option	option	option	option	option	option
Roll conveyer XL (1090 x 375 x 50 mm)	option	option	option	option	option	option	option	option	✓	✓	✓

LEF : ENJOY QUALITY !



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