











The Company

Thermotron SA is a Greek company, active in the industrial textile machines sector for 44 years. It has consistently ranked among the 10 largest automatic systems manufacturers in the readymade garment packing industry worldwide. With an established presence in more than 40 countries all over the world and 1,225 active customers, Thermotron stands for solid, durable and reliable solutions. The company's firm commitment to fully meeting its customers' needs and developing mutually beneficial relationships is an integral part of our customer-focused business philosophy.

The evolution of IT and the new technologies were the corner stone for the development of our internal structure and the solutions that we offer. A well-organised R&D department continuously ensures that all our offered solutions are in line with the latest technology equipment. At the same time, the company ensures and guarantees in writing the quality, compliance and durability of its solutions.

Today the company's registered and head offices are located in east Thessaloniki, at 174 K. Karamanli Ave., whereas the production and R&D facilities are located at a 1500m² company-owned industrial plant at the Lakkoma Industrial Park in Chalkidiki. The 600m² warehouses and utility areas of the company are also housed at the same location.

Thermotron SA, through its specialised R&D department is aiming at the continuous development of its machines and services, committed to upholding their quality and reliability, adhering to the highest quality standards of the international market.







STP1000 is an automatic folding machine for readymade garments, which completes the folding in one operating cycle, quickly, quietly and accurately.

STP1000 is an automatic folding machine for readymade garments, which completes the folding in one operating cycle, quickly, quietly and accurately. The machine requires only one operator and is designed to fold sweaters, pants, t-shirts, sweatshirts, polo shirts, undershirts etc. The settings can be easily modified within the specified garment sizes, so the machine can handle textiles of different types and dimensions, and a variety of folding styles. Its usual output is up to 14 garments per minute (as measured at our facilities). The speed of the operator is an important factor affecting the machine output, along with the program that is selected on the machine interface and the type of the garment. STP1000 is a robust unit, requiring minimum maintenance. STP1000 is offered either as a standalone unit or in combination with other machines, as part of a Thermotron folding and packing station.



Technical specifications

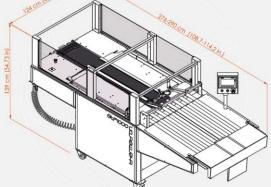
DIMENSIONS L-W-H:	276x124x139cm
NET WEIGHT:	335kg
POWER SUPPLY:	210-400V AC 50-60Hz
POWER:	1.1kW
AIR PRESSURE:	6bar
AVERAGE AIR CONSUMPTION:	51L/min
MAXIMUM OUTPUT:	5,500 clothes per 8h
MAXIMUM CLOTHES DIMENSIONS (L&W):	100cm & 80cm (Pants L = 120m)
WIDTH OF FINAL FOLDING:	Minimum 15cm & Maximum 32cm
OPERATOR:	1 Person

ACCESSOTIES IPA INTERNAL PAPER APPLICATOR [see page 6] TF TROUSER FOLDING MECHANISM [see page 7]

DIMENSIONS OF WOODEN CRATE (L-W-H)	: 293x140x157cm
GROSS WEIGHT:	550kg
HEAT TREATMENT CERTIFICATE:	ISPM No15 2009

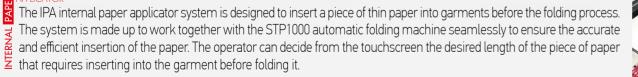












Technical specifications

NET WEIGHT:	84kg
POWER SUPPLY:	200-400-AC 50-60Hz
POWER:	0.8kW
LENGTH DIMENSIONS OF PAPER ROLL:	min 20cm max 40cm

INTERNAL DIAMETER OF PAPER ROLL: Ø 76mm MAX EXTERNAL DIAMETER OF PAPER ROLL: Ø 300mm 15-30cm

17gr/m²

25gr/m²

MAX AND MIN WIDTH OF PAPER ROLL: TISSUE PAPER MIN WEIGHT/m2: TISSUE PAPER MAX WEIGHT/m²:

Transport

DIMENSIONS OF WOODEN CRATE (L-W-H): 151x126x96cm GROSS WEIGHT: 172kg HEAT TREATMENT CERTIFICATE: ISPM No15 2009

STP1000





The TF mechanism is designed to fold the crotch area quick and precise for a big variety of trouser styles, including sport pants, short pants, jeans, sweatpants and chinos. It can be adjustable to accommodate difference sizes of pants, from small to large. It is also designed to handle different materials, such as cotton, denim or polyester.

Technical specifications

T WEIGHT:	20kg

Single/Double/Triple/Crotch folding TYPES OF FOLD: TYPE OF TROUSERS CAN HANDLE: Jeans / Sport pants / Chinos /formal trousers/Short pants

Transport

DIMENSIONS OF WOODEN CRATE (L-W-H): 134x55x35cm 45kg GROSS WEIGHT: HEAT TREATMENT CERTIFICATE: ISPM No15 2009



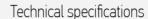




The FX25s unit is an automatic folding and stacking machine for readymade garments (shirts, sweaters, t-shirts, polo shirts, etc.), designed to fold almost any type of garment quickly, accurately and quietly.

The **FX25s** unit is automatic folding and stacking machine for readymade garments (shirts, sweaters, t-shirts, polo shirts, etc.), designed to fold almost any type of garment quickly, accurately, and quietly. **FX25s** offer a program for easy packing in a plastic bag and a program for stacking and easy organising of the folded garments.

The FX model is suitable for customers requiring a small folding unit with a stacking mechanism and the capability of preparing the folded garments for manual packing in plastic bags. The FX25s machine can be easily and precisely adapted to any folding requirements, it is robustly built and require minimum maintenance. Moreover it does not require any special installation (plug & play), it has low power and air consumption, and it is very easy to operate.









DIMENSIONS L-W-H:	106x93x83cm
NET WEIGHT	130kg
POWER SUPPLY:	210-400V AC 50-60Hz
POWER:	0.24kW
AIR PRESSURE:	6bar
AVERAGE AIR CONSUMPTION	36L/min
DIMENSIONS OF FOLDED GARMENT:	WIDTH: min18cm max 30cm LENGTH: max 39cm
MAXIMUM OUTPUT:	FOLDING & PACKING: 2.500pcs/8h
	FOLDING & STACKING: 3.500pcs/8h
OPERATOR:	1 Person

DIMENSIONS OF WOODEN CRATE (L-W-H):	119x106x101cm
GROSS WEIGHT:	80kg
HEAT TREATMENT CERTIFICATE:	ISPM No15 2009











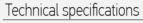
The PV40 & PV40M automatic bagging machines pack the garments that come folded from the STP1000 automatic folding machine in polyethylene (PE) and polypropylene (PP) bags, in the shape of a folder.

PV40 is an automatic bagging machine for readymade garments. The output of PV40 depends on the production speed of STP1000 or the speed at which an operator can feed the clothes into the machine when it is used as a standalone, with the GA1 garment alignment accessory.

The PV40 automatic bagging machine packs the garments that come folded from the STP1000 automatic folding machine in polyethylene (PE) and polypropylene (PP) bags, in the shape of a folder.

PV40 is offered either as a standalone unit or as a part of a folding and packing machine set. When the PV40 unit is the last station of a machine set, the machine is delivered with the MT1775 conveyor belt and designated PV40M. The PV40 & PV40M machines are robustly built and require minimum maintenance.





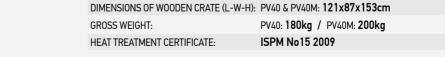


PV40: 92x68x130cm / PV40M: 176x68x130cm
PV40: 115kg / PV40M: 130kg
210-400V AC 50-60Hz
1.2kW
6bar
PV40 & PV40M: 70L/min
18-38cm
min 5cm
6cm
80-100pcs
1 Person

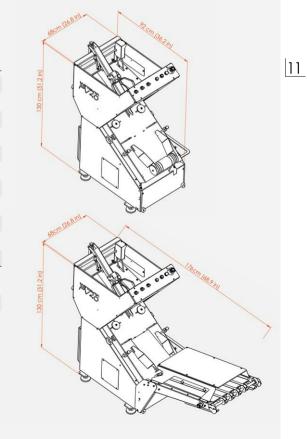
OPERATOR:

Accessorie

Accessories GA1 GARMENT ALIGNMENT
MT1775 CONVEYOR BELT FOR GARMENTS [see page 28]









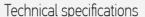


The KL60 & KL60M automatic machines seal with adhesive tape the bags that contain the garments, which come folded and packed from the STP1000 folding machine and the PV40 bagging machine.

The **KL60** & **KL60M** are automatic machines that seal with adhesive tape the bags that contain the garments, which come folded and packed from the STP1000 folding machine and the PV40 bagging machine or which are manually fed to the machine by an operator.

KL60 can be easily adjusted to seal any combination of plastic bags. The maximum machine output is 15 sealed bags per minute. The machine allows the operator to select whether they want the bag sealed with one tape on the centre or two tapes on the edges.

The KL60 automatic sealing machine is offered either as a standalone unit along with the MT1775 garment conveyor belt, to create the KL60M machine, or combined with the PV40 & BC41M machines, as part of the Thermotron comprehensive folding and packing solutions. The KL60 & KL60M machines are robustly built and require minimum maintenance.





Technical Specifications	
DIMENSIONS L-W-H:	KL60: 145x91x119cm / KL60M: 208x91x119cm
NET WEIGHT:	KL60: 160kg / KL60M: 175kg
POWER SUPPLY:	210-400V AC 50-60Hz
POWER:	1.2kW
AIR PRESSURE:	6bar
AVERAGE AIR CONSUMPTION:	KL60 & KL60M: 66L/min
WIDTH OF BAG:	16-38cm
MAXIMUM GARMENT THICKNESS:	8-9cm
OPERATOR:	1 Person

Ø76mm (3in)

ADHESIVE TAPE FOR KL60

Accessories ST10 STACKING MECHANISM [see page 28]

MT1775 CONVEYOR BELT FOR GARMENTS [see page 28]

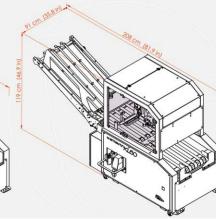
Transport

DIMENSIONS OF WOODEN CRATE (L-W-H): KL60 & KL60M: 153x105x155cm

GROSS WEIGHT: KL60: 255kg / KL60M: 275kg

HEAT TREATMENT CERTIFICATE: ISPM No15 2009













The TH44 & TH44M automatic machines heat seal the bags that contain the garments, which come folded and packed from the STP1000 folding machine and the PV40 bagging machine.

TH44 is an automatic machine that heat seals the bags that contain the garments, which come folded and packed from the STP1000 folding machine and the PV40 bagging machine, or which are manually fed to the machine by an operator.

TH44 can be easily adjusted to seal any combination of plastic bags. The maximum machine output is 15 sealed bags per minute. The automatic sealing machine TH44 is offered either as a standalone unit along with the MT1775 garment conveyor belt, to create the TH44M machine, or combined with the PV40 & BC41M machines, as part of the Thermotron comprehensive folding and packing

solutions. The TH44 & TH44M machines are robustly built and require minimum maintenance.

Technical specifications





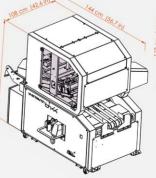


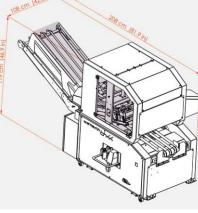
ACCESSOTIES ST10 STACKING MECHANISM [see page 28]

MT1775 CONVEYOR BELT FOR GARMENTS [see page 28]

Transport

DIMENSIONS OF WOODEN CRATE (L-W-H): TH44 & TH44M 153x104x156cm
GROSS WEIGHT: TH44 310kg / TH44M 325kg
HEAT TREATMENT CERTIFICATE: ISPM No15 2009















The SB50 & SB50M automatic machines seal the self-tape plastic bags that contain the garments, which come folded and packed from the STP1000 folding machine and the PV40 bagging machine.

The SB50 & SB50M are automatic machines that seal the self-tape plastic bags that contain the garments, which come folded and packed from the STP1000 folding machine and the PV40 bagging machine or which are manually fed to the machine by an operator.

SB50 is versatile and can accommodate a wide range of bag sizes, making it suitable for packaging different types of garments. It is also designed with ease of use in mind, featuring a user-friendly interface that allows operators to adjust settings and monitor the packaging process. The machine is constructed with high-quality materials to ensure durability and longevity. It is also designed for easy maintenance, with easily accessible parts that can be quickly and easily replaced if needed.

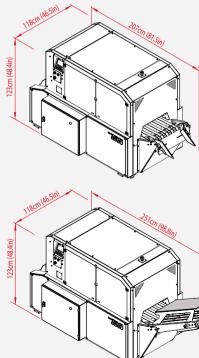


Technical specifications

DIMENSIONS L-W-H:	SB50: 190x118x123cm / SB50M: 251x118x123cm
NET WEIGHT:	SB50: 265kg / SB50M: 280kg
POWER SUPPLY:	200-400V AC 50-60Hz
POWER:	1.1kW
AIR PRESSURE:	6bar
AVERAGE AIR CONSUMPTION:	SB50 & SB50M: 120L/min
WIDTH OF BAG:	16-38cm
MAXIMUM GARMENT THICKNESS:	10cm
OPERATOR:	1 Person

Accessories **ST10** STACKING MECHANISM [see page 28] MT1775 CONVEYOR BELT FOR GARMENTS [see page 28]

DIMENSIONS OF WOODEN CRATE (L-W-H)	: SB50 & SB50M 207x133x156cm
GROSS WEIGHT:	SB50 395kg / SB50M 410kg
HEAT TREATMENT CERTIFICATE:	ISPM No15 2009









MACHINE

The LD70 automatic label dispenser is designed to attach labels on garments.

LD70 is a label dispenser designed for attaching adhesive labels on garments. The purpose of the labels is to inform the final consumer regarding the size of the garment or to provide other important information, as deemed appropriate by the garment manufacturer.

The LD70 can be installed after the automatic STP1000 folding machine, to receive folded garments and attach the labels or adhesive strips on them. Moreover, the LD70 may also operate as a standalone unit, manually fed folded garments by an operator.

The output of the LD70 machine depends on the production speed of the STP1000 folding machine and its operator or simply on the speed of its operator, when the machine is used as a standalone.

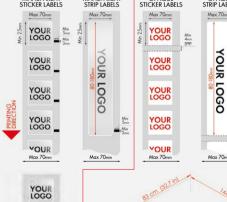
Technical specifications

Technical specifications	
DIMENSIONS L-W-H:	144x80x139cm
NET WEIGHT:	225kg
POWER SUPPLY:	210-400V AC 50-60Hz
POWER:	1.1kW
MAXIMUM GARMENT THICKNESS:	10cm
LABEL MATERIAL CHARACTERISTICS:	 Label lifespan Labels preserve their characteristics for 12 months if the necessary storage conditions are met.
	> Conditions for material usage Storage conditions: 10°C - 25°C, 40-60% humidity and avoid exposure to sunlight or infrared radiation.

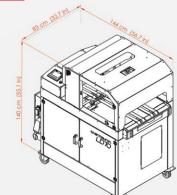


DIMENSIONS OF WOODEN CRATE (L-W-H):	160x111x155cm
GROSS WEIGHT:	325kg
HEAT TREATMENT CERTIFICATE:	ISPM No15 2009















TYPES LINEAR: Code 39, Code 93, Code 128, CODABAR (NW7), EAN 8/13, GSI-DatabarTM, GS1-128 (UCC/EAN128), Interleaved 2/5, Industrial 2/5, JAN8/13, Matrix 2/5, MS1, Bookland, PostnetTM, UPC-A/E.

TYPES 2D:

BARCODE READABILITY VERIFICATION

PDF417, Micro PDF, Maxi Code, GS1 Data Matrix, QR Code, Micro QR Code and Composite Symbologies.

BARCODE

Supported Barcode types by default: 2/5 INTERLEAVED, Code 39, Codabar, Code 128, EAN 128, All EAN/UPC. Supported Codes: Code Full ascii, Code 93, Plessey, Pharmacode.

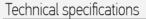
MACHINE

The BC41 & BC41M automatic machines print and attach labels and barcodes on the plastic bags that contain the garments.

The BC41 has been designed and manufactured to meet the requirements for easy and efficient printing and attaching barcode labels on plastic bags containing garments, as they come from PV40 bagging machines or the KL60, TH44 & SB50 sealing machines. The BC41 output depends on the production speed of the STP1000 folding machine and its operator.

The BC41 unit consists of a wireless barcode scanner, a thermal & thermal heat transfer printer, a label attaching system and, lastly, a barcode printing quality verifier.

The BC41 automatic printing and labelling machine is offered either as a standalone unit along with the MT1775 garment conveyor belt, to create the BC41M machine, or combined with the PV40, KL60, TH44 & SB50 machines, as part of the Thermotron comprehensive folding and packing solutions. The BC41 & BC41M machines are robustly built and require minimum maintenance.





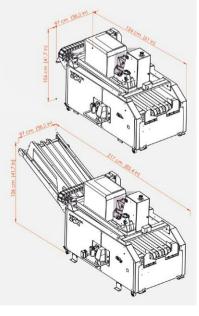
DIMENSIONS L-W-H:	BC41: 154x97x106cm / BC41M: 217x97x106cm
NET WEIGHT:	BC41: 155kg / BC41M: 170kg
POWER SUPPLY:	210-400V, AC 50-60Hz
POWER:	1.2kW
AIR PRESSURE:	6bar
AIR CONSUMPTION:	BC41 & BC41M: 25L/min
PRINT METHOD:	Thermic & thermal transfer
LABEL DIMENSIONS min. W-H:	2.8x2cm
LABEL DIMENSIONS max. W-H:	10.4x10cm



Accessories **ST10** STACKING MECHANISM [see page 28] MT1775 CONVEYOR BELT FOR GARMENTS [see page 28]













The NT50 unit is an automatic stacking machine for the folded garments coming out of the STP1000 automatic folding machine.

The **NT50** unit is an automatic stacking machine. **NT50** stacks the folded garments that come from the **STP1000** automatic folding machine. It can stack folded garments with maximum folded width between 15-32cm. The maximum stacking height is 35cm.

NT50 may sort garments in stacks and the size of the stack can be selected on the touchscreen at the front of the STP1000 folding machine. Once the NT50 has created a stack with the desired number of garments, as selected on the STP1000 interface, it automatically pushes the stack onto the conveyor belt. NT50 is robustly build and requires minimum maintenance.



Technical specifications

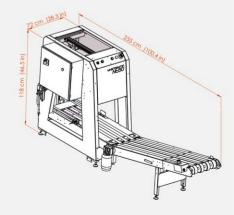
MAXIMUM HEIGHT OF STACK:	35cm
AVERAGE AIR CONSUMPTION:	38-45L/min
AIR PRESSURE:	6bar
POWER:	1.2kW
POWER SUPPLY:	210-400V, AC 50-60Hz
NET WEIGHT:	125kg
DIMENSIONS L-W-H:	255x72x118cm



DIMENSIONS OF WOODEN CRATE (L-W-H):	92x144x142cm
GROSS WEIGHT:	210kg
HEAT TREATMENT CERTIFICATE:	ISPM No15 2009

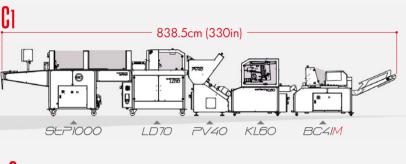


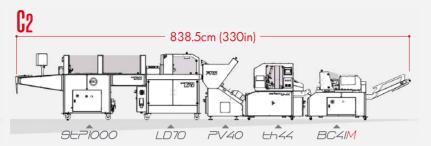


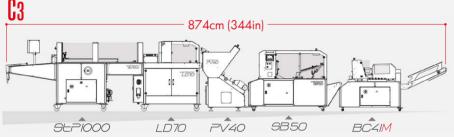


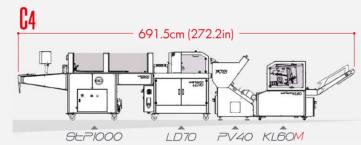


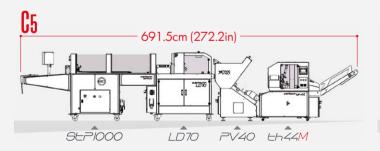
Thermotron can offer up to 34 different packing lines, aims to offer the most cost-effective purchase choice according to the customer's needs. The machines operate as independent units or in combinations.



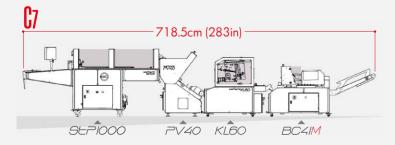


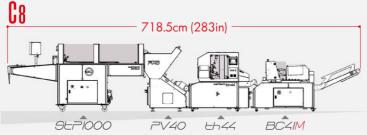


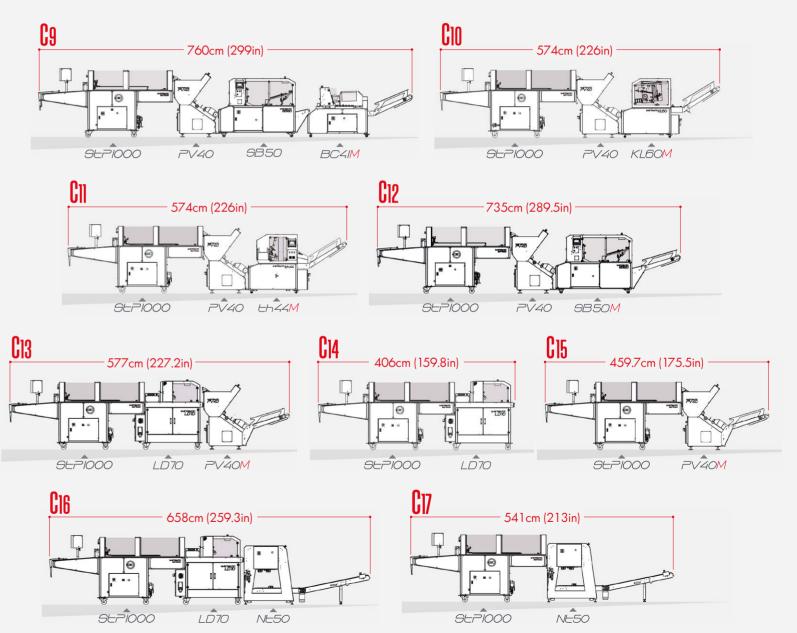


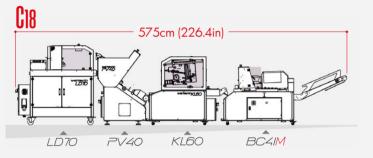


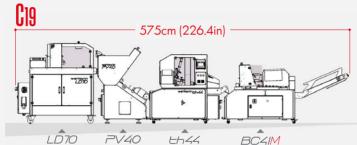


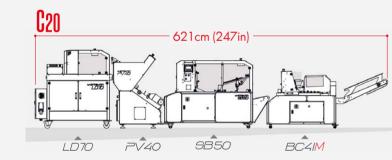


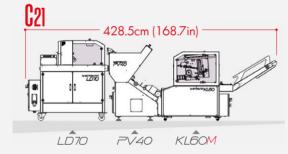


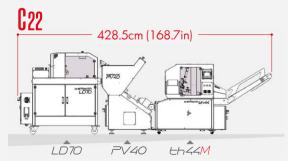


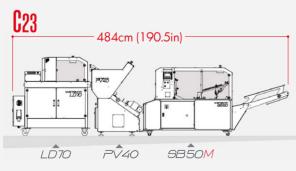


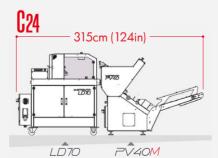




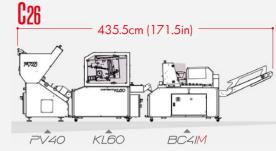


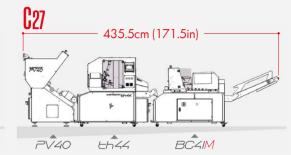


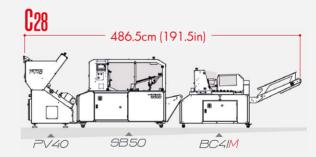


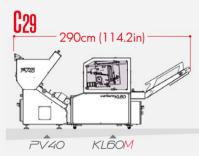




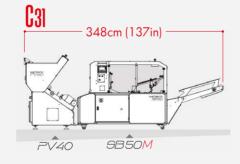


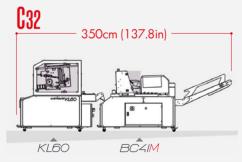


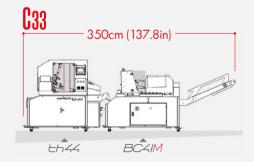


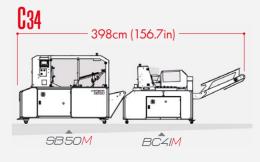






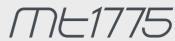












CONVEYOR BELT FOR GARMENTS

The MT1775 conveyor transfers garments from the THERMOTRON bagging machines to the next stage of the production process. and may be installed in the following machines: PV40 – TH44 – KL60 – BČ41 – SB50.

Transport

DIMENSIONS OF WOODEN CRATE (L-W-H): 115x70x52cm

GROSS WEIGHT: 45ka

HEAT TREATMENT CERTIFICATE: ISPM No15 2009



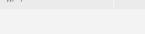
CESSORIES















STACKING MECHANISM

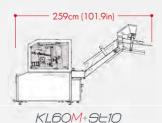
The stacking mechanism ST10 is designed to work with the existing conveyor belt MT1775 ensuring that the garments fall straight and neatly inside boxes. The ST10 is constructed with high-quality materials to ensure durability and longevity.

Technical specifications

DIMENSIONS L-W-H:	62x72x50cm
NET WEIGHT:	19kg
POWER:	0.01kW
AIR PRESSURE:	6bar
AIR CONSUMPTION:	6l /min

DIMENSIONS OF WOODEN CRATE (L-W-H):	86x77x70cm
GROSS WEIGHT:	47kg
HEAT TREATMENT CERTIFICATE.	ISPM No15 200











We confirm

that the wooden crates used for the packaging of the machines meet the requirements of the International Standards for Phytosanitary Measures No15 (ISPM 15, 2009) of FAO

 $(Heat\ treatment\ at\ a\ minimum\ temperature\ of\ 56^{\circ}C\ for\ a\ minimum\ of\ 30\ minutes,\ on\ the\ entire\ mass\ of\ the\ wood.)$

Let us know about the closest port of delivery, to offer you a CIF quote.





Thermotron S.A.

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