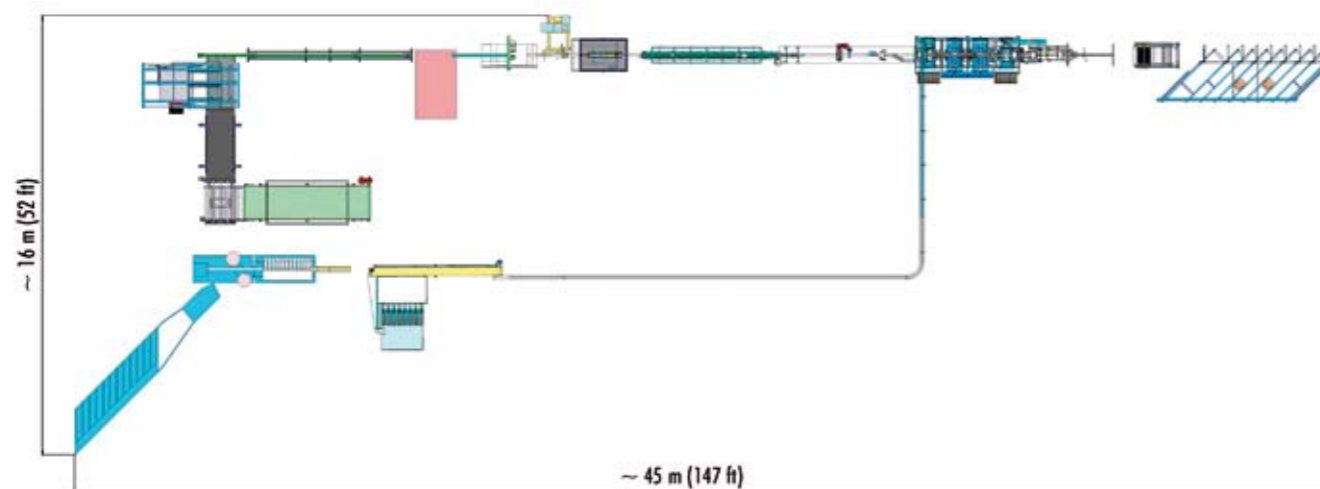


PRMF/U - 2000 & PPMF/U - 2000 FOR FLEXIBLE PALLET RUNNER AND PAPERBOARD PALLET MANUFACTURING (CE-approved)

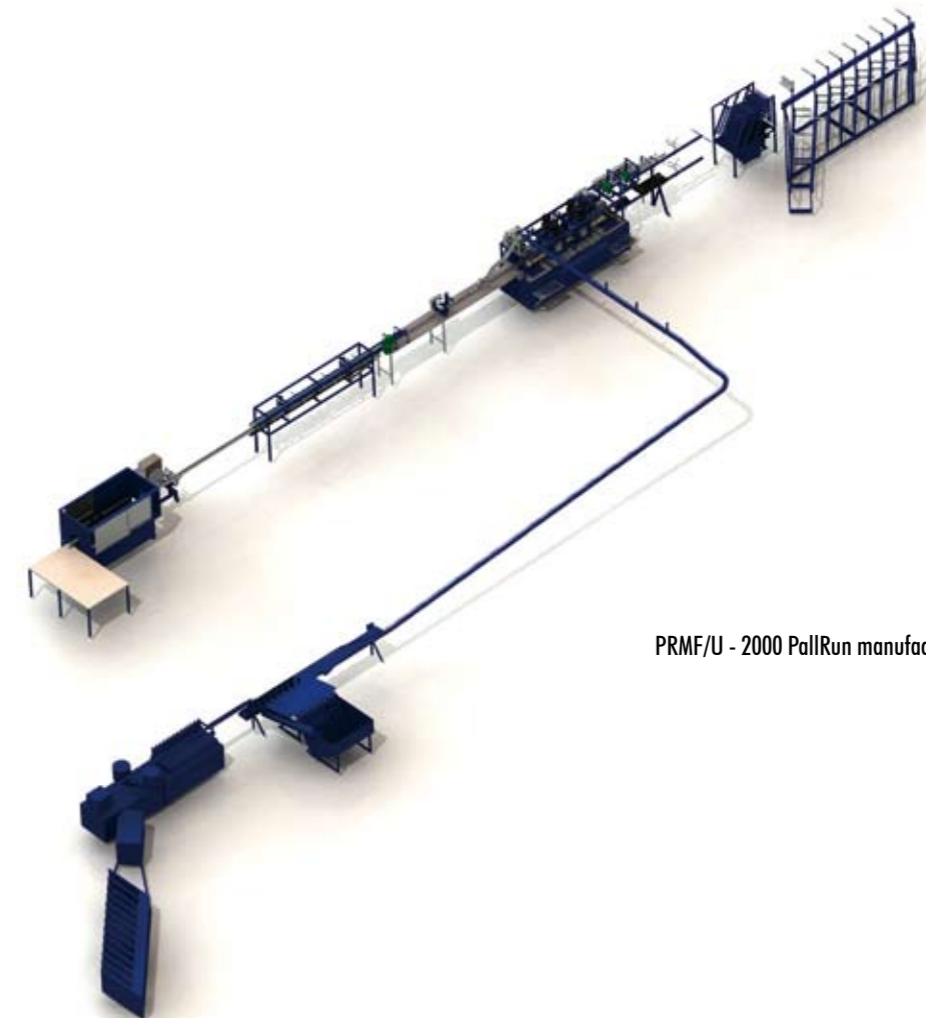
TYPE	Machine	Power	Dimensions	Products	Capacity
PRML - 2000	PallRun machine line	400/460 VAC 3 ph 32 kW / 43 hp max 75/65 A	34500 x 4500 mm 113.19 x 14.76 ft	PallRun	10 m/min 33 ft/min
PPML - 2000	PaperPall machine	400/460 VAC 3 ph 12 kW / 16 hp max 25/22 A	10000 x 6800 mm 32.81 x 22.31 ft	Paperpallet	6 pcs/min
PRHMU	Hotmelt unit	400/460 VAC 3 ph 25 kW / 34 hp max 60/53 A*	1500 x 1200 mm 4.92 x 9.94 ft	PallRun	10 m/min 33 ft/min
PR4WC	4-way cutting	400/460 VAC 3 ph 19 kW / 26 hp max 45/40 A**	2400 x 2000 mm 7.87 x 6.56 ft	PallRun	10 m/min 33 ft/min
PRAP	Automatic packaging for PallRun	400/460 VAC 3 ph 14 kW / 19 hp max 32/28 A	2500 x 3000 mm 8.20 x 9.84 ft	PallRun	20 pcs/min
PPAP	Automatic packaging for paperpallets	400/460 VAC 3 ph 14 kW / 19 hp max 32/28 A	10000 x 3000 mm 32.81 x 9.84 ft	Paperpallet	6 pcs/min
	* depends on hotmelt applicator				
	** depends on laser applicator				



PRMF/U - 2000, PPMF/U - 2000

For flexible pallet runner and paperboard pallet manufacturing

The optimal woodless packaging solution from Eltete TPM Ltd.



PRMF/U - 2000 PallRun manufacturing line

ELTETE TPM LTD WORLDWIDE

Eltete TPM Engineering (as part of the Eltete TPM Group) is developing specific transport packaging materials, machinery and manufacturing technology for the transport packaging products that the Group itself manufactures. All machines, products and processes have been very well tested on the market, through the strong position of Eltete TPM Group as a global manufacturer and market leader in the transport packaging sector. Eltete TPM Engineering can offer its partners and customers a range of production concepts, machinery, manufacturing technologies and complete turnkey factory/manufacturing setups, specifically designed for Eltete TPM transport packaging materials and products.

Eltete TPM Group is a global group of companies, headquartered in Finland. Its main products are transport packaging materials (TPM) made of carton board, such as edgeboards, U-profiles, pallet runners and paper pallets. We are a global market leader in our main product sector, edgeboards. We convert more than 100,000 tonnes of paperboard every year, which goes into manufacturing our products. Today, we have a global operating structure, with local production in 14 countries, and sales to more than 50 countries. Please go to www.eltete-tpm.com for more information.



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PallRun® elements



Different solutions of cartonboard pallets

PRESSING CONVEYOR

- PallRun final lamination: belt and rolls
- Combination gives good lamination for all elements
- Soft belts with high friction
- Side pressing by rolls
- Vertical and horizontal pressing by pneumatic cylinders

HOTMELT UNIT

- ON-LINE hotmelt unit for self-adhesive PalletRunners
- Self-adhesive glue on surface of PallRun
- Glue is covered with silicon paper

CUT-OFF SAW

- UBS-2200 OL/OF automatic band saw
- Cuts U-profiles and similar long objects into specific lengths for online production
- Operated with servomotor
- Synchronized to the carriage speed
- Control touch pad unit for entering the cutting parameters as length, high and quantity
- Universal cutting system for all U-profile sizes

PALLET RUNNER PACKAGING TABLE

PALLET COVER STATION

- Manipulator for pallet cover
- Three axis
- Pneumatic operation
- Vacuum collector

PAPER PALLET MACHINE

- Machine line for paper pallet manufacturing
- With or without automatic packaging of ready pallets
- Machine can work alone or together with PallRun line
- Capacity is max 6 pallets/min
- Cover can be corrugated carton, honeycomb, chipboard, hardboard, plywood, etc

CORE FEEDING

- Core feeding inside PallRun
- Feeding can be done directly from tube machine or warehouse station

PALLET RUNNER PROFILATORS

- Lower and upper U-profiles are manufactured at the same time
- Guide rack for lower and upper profiles
- Special greasing for upper profile
- Overlapping plates for cover layer with lateral guides
- 4 + 4 pneumatical profilators with speed and pressure adjustments
- Inverter and 2 x 3 kW (4.1 hp) AC motors with electronic speed and torque control with 8 x 1.5 kW (2 hp) AC motors

REEL STAND

- Reel stand for rolls (1+5+1+4)
- Lifting equipment for rolls
- One-colour printing device on-line unit
- Lower surface paper max width 500 mm (1.64')
- Lower inside paper max width 300 mm (0.98')
- Upper surface paper max width 300 mm (0.98')
- Upper inside paper max width 200 mm (0.66')

GLUEING SECTION

- For single and double-sided glueing application of PVA glue
- One single-sided glue nozzle for each layer
- One double-sided glueing device for glueing both sides of a layer
- One WEB tensioner per layer
- One special hardened glue scraper per layer
- Glue control valve for each layer
- One stainless steel glue tank with pneumatic membrane pump – tank capacity 100 l with heating and electronic level control
- LPG preheating and drying unit for the layers
- 2 x motorised glueing for top-profile surface paper

PPMF/U - 2000 Paper Pallet manufacturing line

TUBE MACHINE

- High speed tube machine
- Multi knife ON-LINE cutting with servo control
- Min size 50 mm (1.97")
- Max size 120 mm (4.72")
- Thickness 1-6 mm (0.04 - 0.24")

PRODUCT PARAMETERS FOR PR:
Height: 100 mm (50 - 120 mm) / 3.94" (1.97 - 4.72")
Width: 90 mm (80 - 100 mm) / 3.54" (3.15 - 3.94")
Length: Unlimited

PRODUCT PARAMETERS FOR PP:
Height: 100 mm (50(+)-120(+)) mm / 3.94" (1.97(+)) - 4.72(+)"
Sizes: Min. 400 x 600 mm / 15.75 x 23.62"
Max 1200 x 1200 mm / 47.24 x 47.24"