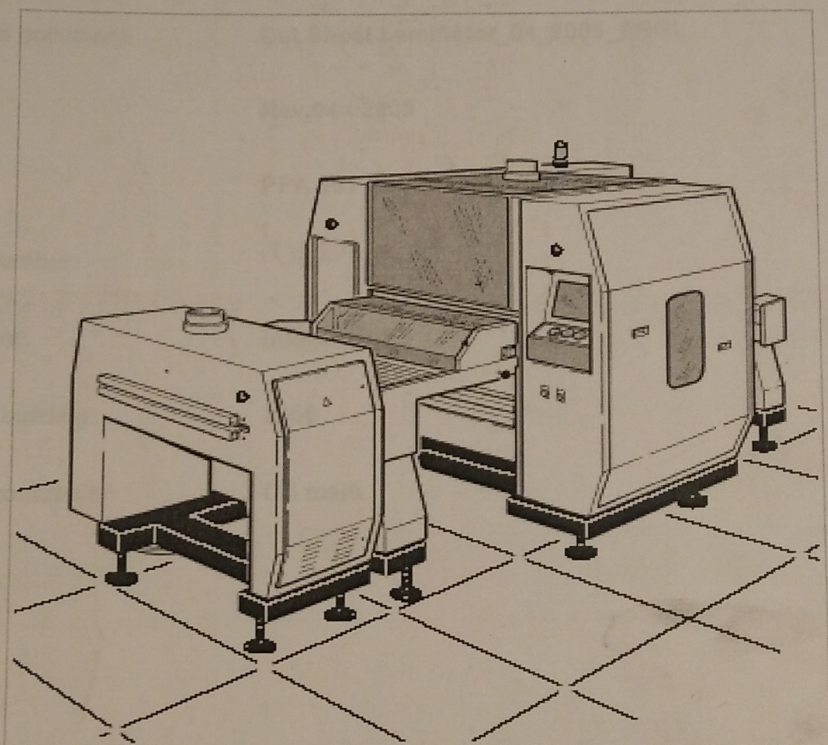


*Operating and Maintenance Instructions*

**PPA 301 CUT SHEET LAMINATOR**



Serial Number: 01007

Year of building: 2006

2.2 - OVERALL DIMENSIONS

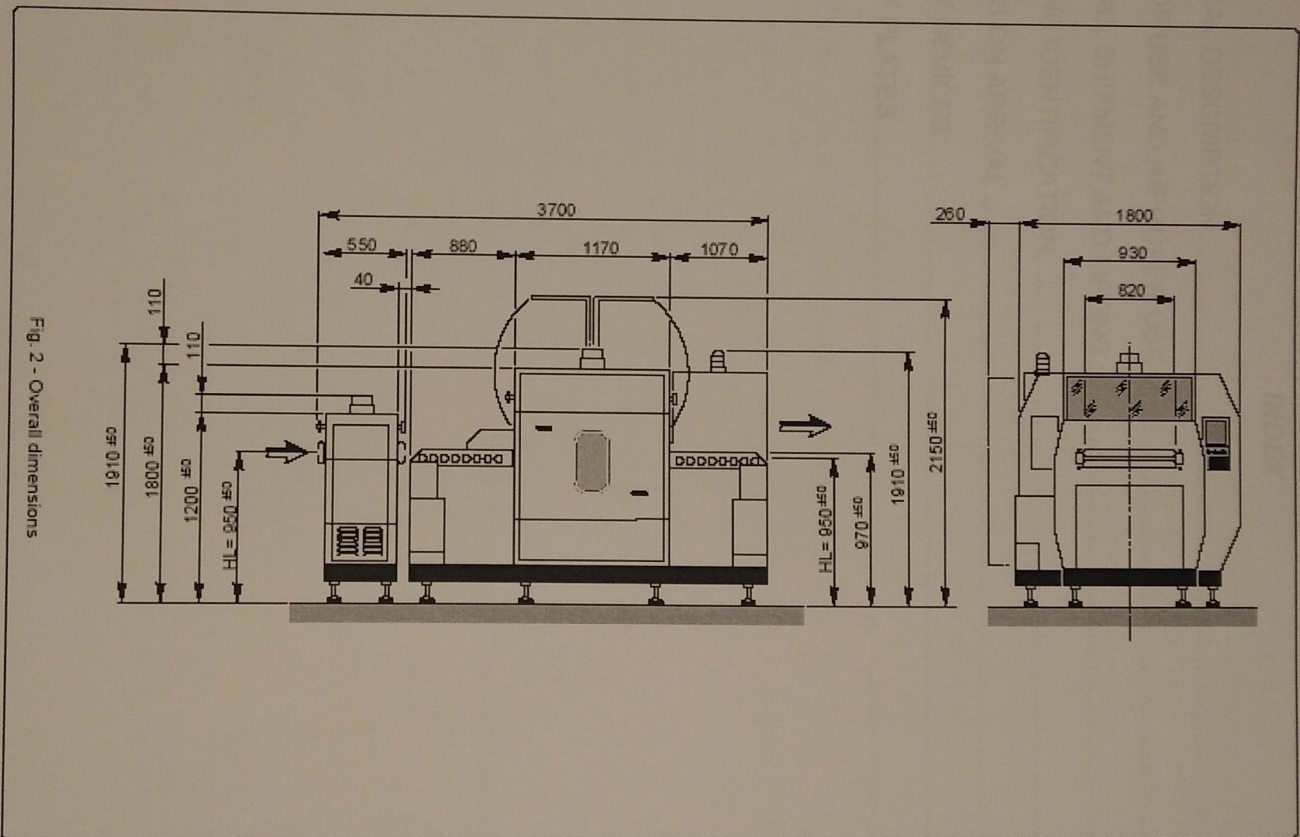
(ref. Fig. 2 - page - 4)

2.3 - MINIMUM SPACE REQUIRED FOR INSTALLATION

Allow for an uncluttered area of at reach 1000 mm all around the machine to ensure that the operator and technicians are free to carry out the running and servicing operations in the correct way.

2.4 - TECHNICAL SPECIFICATIONS

<b>MAXIMUM OVERALL DIMENSIONS</b>	
• Width .....	mm ..... 1800
• Length of laminator .....	mm ..... 3120
• Length of preheater .....	mm ..... 550
• Total length .....	mm ..... 3700
• Max height (casing closed) .....	mm ..... 1910 <sup>#0</sup>
• Max height (casing open) .....	mm ..... 2150 <sup>#0</sup>
• Work top height .....	mm ..... 950 <sup>#0</sup>
<b>LAMINATED BOARD DIMENSIONS</b>	
• Width (min to max) .....	mm ..... 250 + 780
• Length (min to max) .....	mm ..... 280 + 1000
• Thickness (min to max) .....	mm ..... 0,05 + 4
<b>LAMINATION ROLLERS</b>	
• Length .....	mm ..... 800
• Hardness .....	shore ..... 70
• Maximum force available at 6 bar .....	kg ..... 400
• Heating system .....	EXT I.R. lamp.
• Vibration range (min to max) .....	mm ..... 0,1 + 0,4
• Vibration frequency (min to max) .....	hz ..... 10 + 100
• Lamination speed (min to max) .....	mt/1" ..... 1 + 4
<b>DRY FILM ROLLERS</b>	
• Max diameter .....	mm ..... 300
• Width (min to max) .....	mm ..... 250 + 762
<b>PRODUCTION RATE (±10%)</b> (18" length panels)	
• At 3 m/min - tacking 1.3 sec .....	P/h ..... 350
• At 4 m/min - tacking 0.9 sec .....	P/h ..... 440
<b>ELECTRICAL SPECIFICATIONS</b>	
• Connection .....	..... Threephase 50/60 Hz + ground
• Voltage rating .....	V ..... 220/380/415/480
• Power draw .....	KVA ..... 12
<b>AIR PLANT SPECIFICATIONS</b>	
• Operating pressure .....	bar ..... 6
• Air consumption .....	NI/cycle ..... 20
Overall weight (±15 kg) .....	kg. .... 1850



## 2.1 - LAYOUT

(ref. Fig. 1)

Laminator "PPA 301" consists of the following parts:

- a) Preheating unit (PH) electrically connected to the main machine by two connectors. The preheating unit houses two belts made of black silicone rubber which are heated by I.R. lamps and driven at lamination speed.
- b) Overturning input roller unit with side centering device of the SOFT-CONTACT type. The roller unit is driven by means of a geared clutch powered by the central unit.
- c) Input service compartment on the left-hand side of the input roller unit and housing the centrifugal aspirator which creates a vacuum in the shoes of the central unit.
- d) Central unit comprising:
  - mobile unit housing the tacking shoes and cutters;
  - fixed input roller unit;
  - pull-out output roller unit;
  - lamination rollers with heating function;
  - half-moon shaped suction shoes.

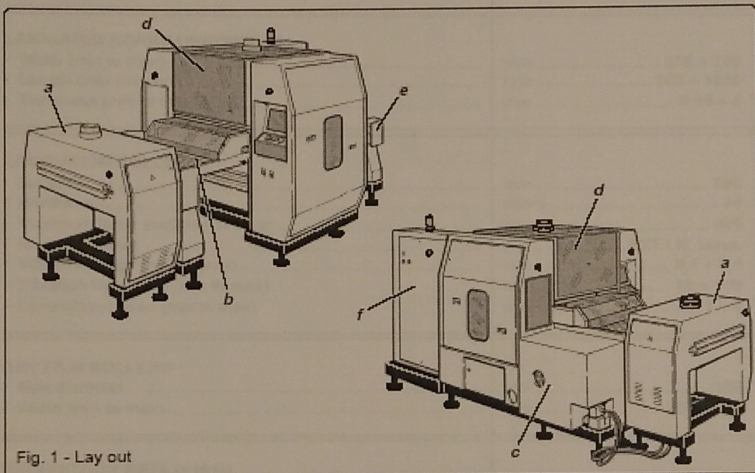


Fig. 1 - Lay out

- film Thread-up rollers;
- fumes extractor hood;
- control panel with touch-screen monitor;
- pressure governor
- e) Overturning output roller unit driven by a geared clutch powered by the central unit.
- f) Electric panel installed on the machine, on the left-hand side of the output roller unit and containing all the electronic and electromechanical control equipment.

**NOTE**

*None of the machine parts can be removed in order to access the film loading zone or for maintenance purposes.  
These operations are carried out by lifting the two roller conveyor units (input/output) and by accessing the central part.*