

## TECHNICAL SPECIFICATION OF THE LAMINATING PRESS VI

1. Laminating foil for the production of plastic cards.
2. Material: PC and PVC foil sets, also paper-foil sheets.
3. Proper lamination of proximity cards with antennas, inlets with microprocessor modules inside the cover (no damage to modules and surface defects of laminates).
4. Basic format of the laminated set: 310 x 447 mm (3 x 7 = 21 uses ID 1).
5. Depending on the laminated product, smooth steel plates or with one or both sides embossed on the surface.
6. Horizontal method of placing sets and collecting laminates by operators.
7. The ability for at least two operators to operate the press when applying and receiving sets.
8. The required minimum actual efficiency for PC foil with print is 1200 sets. (1 set=21 use) / 8 hours with a hot press cycle, approx. 20-25 minutes, continuous operation
9. Gotowość do załadowania pierwszego wsadu do laminowania od włączenia maszyny max do 20 minut. Readiness to load the first batch for lamination from machine switch-on up to 20 minutes max.
10. One-part press.
11. Lamination on a minimum of 6 levels of running boards in a cycle.
12. Maximum automation of plate movement and reduction of manual work.
13. Oil heating system.
14. Heating temperature range up to 220°C, heating accuracy  $\pm 2^\circ\text{C}$ .
15. Pressure range 25 – 730 kN  $\pm 0,5\%$ .
16. Air elimination system between sets (vacuum module).
17. System preventing damage to antennas and modules – weight compensation on each heating plate.
18. Visual and audible indication of correct lamination.
19. Visualization of the laminating process at individual stages of the cycle (graphic chart, adequate accurate digital data, machine and process status).
20. Saving and easy comparison of parameters of individual lamination process cycles (hourly, daily, weekly analysis, etc.).
21. Possibility to change lamination parameters of a given cycle during its duration.
22. Possibility to select another recipe immediately after the cycle ends.
23. An effective system for eliminating electrostatic charges from foil.
24. Possibility to restart the machine in the event of a power failure or after switching on the safety switch without interrupting the production cycle

25. Available free area for machine installation 6.5 m x 5.0 m (includes the press and space for machine operators).
26. Due to the limited transport route, floor load-bearing capacity and the area of the production hall for the press together with installations and the work area, transport and assembly in modules is required (the dimensions of the modules and their weights should be included in the offer).
27. Operator interface and machine markings in Polish
28. Documentation: operating instructions and technical documentation in Polish along with drawings, diagrams and a spare parts catalogue.
29. Compliance with the EU CE/EC Directive