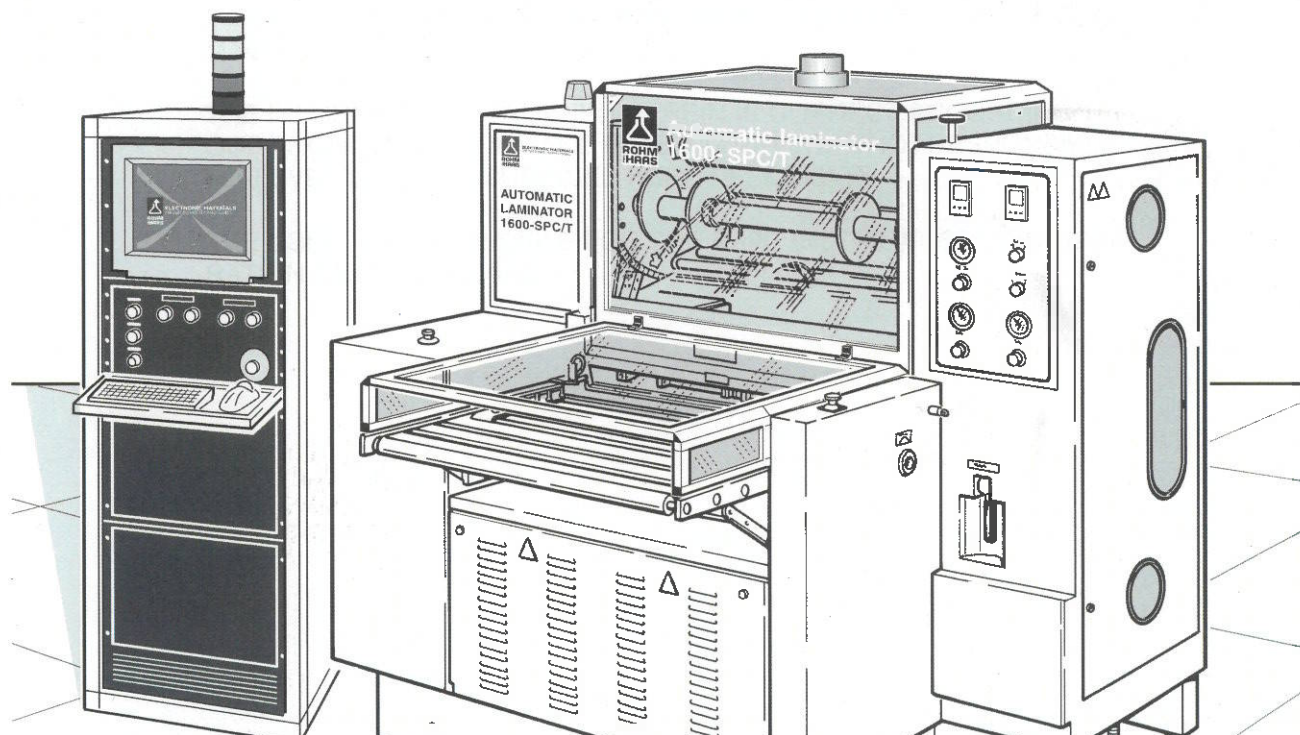


ELECTRONIC MATERIALS
CIRCUIT BOARD TECHNOLOGIES

AUTOMATIC LAMINATOR **1600-SPC/T** **1600-T** **1600-G**

OPERATING AND SERVICE MANUAL



1.1 TECHNICAL FEATURES

GENERAL FEATURES

- Max overall dimensions
 - Width 1730 mm 68.00"
 - Max length (with roller extended) 1760 mm 69.00"
 - Height (min÷max) 1680 ÷ 1880 mm ... 66.00"÷74.00"
- Input roller
 - Width 900 mm 35.40"
 - Length (fixed roller) 600 mm 23.60"
 - Length (folding roller) 300 mm 11.80"
- Output roller
 - Width 900 mm 35.40"
 - Length 250 mm 9.80"

CONVEYOR

- Conveyor height (min÷max) 850 ÷ 1050 mm ... 33.00"÷42.00"
- Adjustable conveyor speed up to 5 m/min. 16,5 fpm

LAMINATION ROLLS

- Diameter 100 mm 3.93"
- Length 814 mm 32.00"
- Hardness 60 Shore (Silicon rubber)
60 Shore (EPDM rubber)
70 Shore (Bosh Viton rubber)
- Lamination speed (min÷max) 0.8 ÷ 5 m/min. 2,64 ÷ 16,5 fpm
- Rolls temperature (min÷max) Room ÷ 130°C
- Rolls pressure (max. at 6 bar) 320 kg 704 lb

FRONT AND REAR EDGES

- Both adjustable (min÷max) 0 ÷ 50 mm 0"÷ 1.96"
- Front edge tolerance (max) ± 0.5 mm 0.019"
- Rear edge tolerance (max) ± 1.0 mm 0.039"

PANEL SIZE

- Width (min÷max) 120 ÷ 787 mm 4.70"÷ 31.00"
- Length (min÷max) 200 ÷ 787 mm 7.80"÷ 31.00"
- Thickness (min÷max)
 - Mod. "1600-SPC/T" 0.1 ÷ 5,0 mm .. 0.004"÷ 0.500"
 - Mod. "1600-T" - "1600-G" 0.1 ÷ 12,7 mm .. 0.004"÷ 0.196"
 - (with optional thin panel unit) (min) 0.05 mm 0.0019"

DIMENSIONS OF DRY FILM FOR LAMINATION

- Width (min÷max) 120 ÷ 762 mm 4.70"÷ 30.00"
- Length (min÷max) 187 ÷ 762 mm 7.40"÷ 30.00"
- Coil diameter (max) 250 mm 9.80"
- Thickness all thicknesses

NOISE LEVEL

- Max (continuous pondered equivalent value "A") 75 dB

1.1 TECHNICAL FEATURES

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ELECTRICAL FEATURES

- Power type three-phase 50/60 Hz + ground
- Power consumption 8.5 KVA
- Nominal voltage 400/480/220/200 V
- Building line main switch
 - for 400 V tensions I = 20A "motor starting" type
 - for 480 V tension I = 16A "motor starting" type
 - for 220-200 V tensions I = 25A "motor starting" type

PNEUMATIC FEATURES

- Consumption 12 NI/cycle.... 1 CFM/cycle
- Operating pressure 6 kg/cm²..... 85 PSIG

EXHAUST FEATURES

- Max. air consumption for exhaust 300 m³/h

WEIGHT

- Gross 1750 kg 3860 lb
- Net 1402 kg 3090 lb

