

ECOLAM 2500 5 - HIGH CAPACITY ELECTRIC LAMINATOR



CHARACTERISTICS

- USABLE AREA 2500 X 7200 mm
- ELECTRICAL HEATING FOR THE BEST TEMPERATURE UNIFORMITY DISTRIBUTION OVER THE PLATE
- THE SHORTEST & HIGHLY RELIABLE CYCLE TIMES
- EXCELLENT LEVELS OF GEL CONTENT TEST
- LONG LIFE OF SILICONE MEMBRANE (3000 CYCLES)
- MEMBRANE CHANGE IN <20 MINUTES
- EXTERNAL PUMP HOUSING WITH EVA GAS FILTERING
- AUTOMATIC LOADING AND UNLOADING SYSTEM
- EASY RECIPE MANAGEMENT, SUITABLE FOR DIFFERENT ENCAPSULANTS

CAPACITY
5MODULES
PER CYCLE

SUITABLE
ALSO FOR
**GLASS
GLASS**
MODULES

HIGH QUALITY
VACUUM

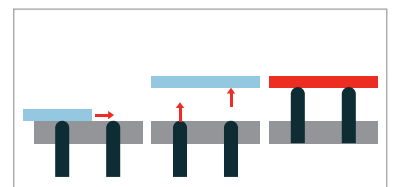
OPTIONALS

BACK UP PUMP In case of sudden failure or programmed maintenance work

COOLING PRESS Quickly cools down the module after lamination process

Images for illustrative purposes only

ACTIVE PIN LIFT SYSTEM System which raises slightly the module from the plate during the evaporation step. Recommended for Glass glass





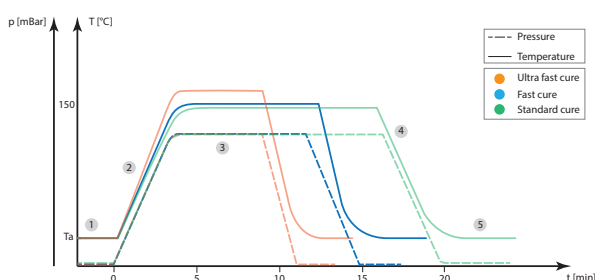
TECHNICAL SPECIFICATIONS

THROUGHPUT	5 modules/cycle;
TEMPERATURE UNIFORMITY	±2 C°
MAX LAMINATE THICKNESS	25mm, max panel weight 180kg
CYCLE TIME	Depends on the encapsulant being used
TOTAL LAMINATION AREA	2500 x 7200 mm
SINGLE LAMINATION PLATE	2600 x 1450 mm
RECOMMENDED MAXIMUM PANEL SIZE	2500 x 1400 mm
CONTROLLABLE HEATING ZONES	30 control areas
TECHNICAL AVAILABILITY	>95%
MODULE LOAD AND UNLOAD	Automatic belts
PIN LIFTING SYSTEM	Available on request. The suggested pin lifting height is 5 mm
OPERATOR INTERFACE	User friendly touch-screen with different languages available
REMOTE ASSISTANCE	Provided with ethernet connection
CHANGEOVER TIME FOR DIFFERENT MODULE SIZE	Few minutes (in the standard range)
VACUUM LEVEL	Minimum internal pressure < 1 mbar

UTILITY SPECIFICATIONS

ELECTRICAL CHARACTERISTICS	
LINE	3P+N+E
VOLTAGE	400 V
FREQUENCY	50/60 Hz
PEAK POWER	175 kW
POWER CONSUMPTION	60 kW
MAX CURRENT	235 A
PRE FUSE	250 A
AIR CHARACTERISTICS	
AIR PRESSURE	6 bar
AIR CONSUMPTION	<1 NL/1'
AIR PEAK FLOW	<1 NL/1'
AIR CONNECTION	1/4"
DIMENSIONS	
HEIGHT	2200 mm
LENGHT	23800 mm
WIDTH	3900 mm
CE WEIGHT	23000 kg +1400 kg with cooling press +400 kg with PIN lift system

THE LAMINATION CYCLE



1. LOADING
2. AIR EVACUATION
3. CURING
4. COOLING
5. UNLOADING