

ELISPRAY CAROUSEL SPRAYING MACHINE

WOOD LINE

The ELISPRAY represents the state of the art in high production spraying machine and is suited for insertion into lines for complex processing, of flat and moulded panels, due to its high productivity along with consistent quality. The superior production speed is accomplished by using a unique gun mounting track: the guns run on two horizontal tracks connected by two semi-circles (Carousel spraying), and thus the machine operates at a high productive speed, due to the large number of guns installed.

The rotation speed and the tilting of the guns are set in order to allow significant advantages concerning the “transfer efficiency”.



PLUS + BENEFIT

- A continuous width (65”) Carbon Fiber Belt (CFB) enables the recovery of over sprayed coating material for reuse, which results in: increased Transfer Efficiency, no overspray on the panels bottom side, superior edge coating.
- Two different patents protect the conveyor belt system for coating recovery and belt cleaning; they include counter-rotating roller, cleaning rollers, scrapers, tanks: solvent consumption is minimum and cleaning time at the end of the work is very short.
- High efficiency filters and special shape of the roof assure clean air at input of booth enclosure. Automatic air flow system monitors and maintains consistent air flow through spray booth; this system produces a good quality of finish, because of less overspray in the spray booth.
- The use of water curtain and tank in exhaust air

system, induces a highly clean environment and optimum finishing qualities. The system is complete with:

- “**Scrubber**”: exhaust air filtration tower that eliminates solid particulate matter from air exhausted
- “**Skimmer**”: water filtration unit that keeps the water steadily clean, without any need for servicing.
- Guns carousel unit is equipped with rotational distribution joint and pre-disposed to accept: 8 / 8 + 8 / 12 / 12 + 12 / 16 spray guns fed by 1 (2) lacquer feeding circuits with recycle.
- Electronic control unit utilizes a sixty (60) cell photo-diode bar to monitor and regulate spray application, further maximizing application Transfer Efficiency.
- PLC with touch screen provides machine storage of machine working programs, measuring coated surface, control and diagnostic functions.

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AVAILABLE OPTIONS

1. Spraying Equipment.
2. Stainless steel fittings and distribution block for feeding circuits system.
3. "Scrubber" structure made in stainless steel.
4. CAB Complete Enclosure booth for top quality finishing.
5. Increased belt conveyor length at infeed for installation of dust suction hood.
6. Minimum length of work pieces 150 mm.
7. Plexiglas covers on both infeed and outfeed conveyors.
8. Additional lacquer recovery tank.
9. Type without rotational joint, equipped with only 1 feeding circuit.



TECHNICAL FEATURES

- Adjustable speed conveyor, by means of inverter: 2,6 ÷ 15 m/min
- Rotation speed of spraying unit, by means of inverter: 14 ÷ 80 m/min
- Belt width: 1650 mm.
- Working width: 1300 mm., including edges
- Minimum length of work pieces: 280 mm. (on request 150 mm.).



TECHNICAL SPECIFICATION

	Electric power kW	Compressed air NI/min	thermal power kcal/h	Air make-up mc/h	Air with solvent exhaus mc/h
ELISPRAY	22,5	50		12000	12000
Option 1		See: guns type			
Option 5		535			

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