

## ARD-600 RESIN DOSING MACHINE



A dosing machine that mixes a two component epoxy or polyurethane resin, and pours it on a specific spot with specific ratios and amounts.

Recommended especially for pinned flap wheel production because of its precision in small doses.

The two components of the epoxy resin should be poured into the two tanks with controlled heat and pressure. The gear pumps, pump these materials into two different lines.

The pressure and proportioning of the materials are controlled by an electronic controlling unit from the very beginning to the end of the process.

Resin, and its hardener are to be pumped into the proportioning unit. Afterwards, the two components are to be flown into the static mixing unit, which mixes the two materials homogeneously. Again, the mixing process is controlled, and with this system, the resin will be ready with previously set amounts, without any sort of waste. The machine's minimum dispensing rate is 1 gram.

Because the two components get together before the mixing, after the proportioning unit, the mixed resin will remain within the output line. In order to prevent the line being stuck with frozen material, the machine is loaded with a cleaning unit and a solvent pump, which cleans all the tubes and pipes the materials go through, after the day's end. It also has an automatic cleaning timer, which activates the cleaning pump after the machine's work is done, within 30 minutes, in order to prevent mixed material being forgotten within the pipeline, and cause a malfunction.

All the parameters of the machine, can be set by the electronic control unit. All the input, control of the parameters, outputs of them can be tracked through it. After all is set, one simply needs to point the nozzle on the target and start the dosing process. The machine can dose the resin automatically or if required, can work manually, by responding to the foot pedal that initiates the dosing process. When set to 'Manual dosing', machine doses the resin as long as the pedal is pressed, and halts when the pedal is released.

This function, allows the machine to be adaptable to various situations and work processes.

Precision, durability and serviceability of ARD-600 makes it a quite advantageous tool.



<b>Total Flow</b>	60 Kilograms per Hour
<b>Dosing</b>	Automatic or Manual
<b>Minimum Dosing Amount</b>	1 Gram
<b>Viscosity</b>	1mPas-50.000 mPas
<b>Proportioning</b>	100:100-100:5 Volumetric
<b>Working Speed</b>	%10-%100 (Adjustable within)
<b>Automatic Dosing Amount</b>	1-500 cc
<b>Tank Capacity</b>	40 Litres
<b>Pump Type</b>	Steel Forged Gear Pumps
<b>Pump Motors</b>	Asynchronous Motor With AC Driver
<b>Control System</b>	Operated by a PLC
<b>Pressure Control</b>	Operated by an Analog Sensor
<b>Cleaning System</b>	20 Litre Solvent Cleaning Tank System
<b>Voltage</b>	3X380 VAC 50 Hz
<b>Power</b>	3 kW
<b>Dimensions</b>	1200X800X1600



