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LAB FPV TEST MACHINE

PLC CONTROL



Application

Suitable for PP, PE plastic, via extrusion pressure filtration test pigments, additives and masterbatch dispersion performance and degree.

Standard

Test method accord with European standard EN13900-5:2005 test standard.

Specification

1. Single screw extruder

- 1) Screw diameter: 20mm
- 2) Length diameter ratio: 1: 25
- 3) Screw speed: 0-95rpm frequency speed controller
- 4) Melt temp: Dynisco high precision temperature sensors to monitor the melt temperature change
- 5) Quick change device: C type snap ring connection, easy to quickly connect with the downstream equipment
- 6) Electronic control system: PLC programmable color touch screen, man-machine interface operation system, can dynamically display and monitor extrusion process, including temperature control, driving, pressure, interlocking spreading function
- 7) Power: 3 ϕ , AC380V, 50Hz three-phase five wires
- 8) Dimension: 1250×550×1350 (W×D×H)mm
- 9) Weight: About 320kg

2. Metering pump

- 1) Output: 2cc/rev throughput capacity
- 2) Rotation speed: 60rpm transducer adjust
- 3) Temp: $\leq 350^{\circ}\text{C}$
- 4) Pressure: $\leq 270\text{bar}$

3. Pressure sensor

- 1) Inlet pressure: 0-10Mpa (Dynisco)
- 2) Outlet pressure: 0-35Mpa (Dynisco)
- 3) Pressure accuracy: within $\pm 0.1\%$

4. Filter net

- 1) Screen standard reference EN13900 -5:2005, aluminum frame, for the European standard screen - pack1 / pack2 / pack3 model size

5. Program controller

- 1) PLC color touch programmable controller, man-machine interface operation system

With USB interface, can connect the printer print test results

- 2) Automatically generating test reports, automatically computing filtration pressure value (FPV)