

ROBINSON FLOOR TESTER

Floor Covering Testing Machine — Model FC-RFT-1300 — ASTM C627



A mechanical floor-covering testing machine for controlled, repeated loading and rotating test operation, built to the ASTM C627 Robinson-type floor test method.

Geared motor with VFD speed control (5–25 RPM), proximity-sensor pulse feedback, digital RPM display and digital preset counter — on a simple, serviceable relay-based control philosophy without a PLC.

• TECHNICAL SPECIFICATIONS

Machine	Robinson Floor Tester	Model	FC-RFT-1300
Serial No.	FCI-S26-027	Reference Standard	ASTM C627
Overall Size (approx.)	1500 × 1500 × 800 mm	Test Platform	Approx. 1300 × 1300 mm
Main Drive Motor	2 HP / 1.5 kW, 415 VAC, 3-ph	Drive	Geared motor, helical gearbox
Speed Control	VFD controlled	Operating Speed	5–25 RPM
Rotation Feedback	Proximity sensor / pulse input	RPM Display	Digital pulse-type RPM meter
Cycle / Count Control	Digital preset counter	Control Voltage	24 VDC control circuit
Main Supply	415 VAC, 3-ph + neutral + earth	Main Protection	Main isolator / MCB as fitted
Emergency Stop	Red mushroom E-Stop, NC contacts	Control Philosophy	Relay + VFD + counter; no PLC
Manufacturer	FALCON CORE INDUSTRIES L.L.C.		

• MAIN COMPONENTS

Main Isolator	4-pole, 32 A, 450 VAC class*	MCB / Protection	3-pole, rated for installed system
SMPS	24 VDC control power supply	Motor	2 HP / 1.5 kW, 415 VAC, 3-ph
VFD	415 VAC 3-ph input, motor-rated	Gearbox	Helical, matched to motor/torque
Counter	Digital preset, 24 VDC, pulse input	RPM Meter	Digital pulse type, 24 VDC
Proximity Sensor	PNP type, 24 VDC, pulse output	Relay	24 VDC control relay
START Pushbutton	Momentary NO	STOP Pushbutton	Momentary NC
Emergency Stop	Red mushroom, NC safety contacts		

* Exact component ratings, terminal numbers and motor/VFD nameplate data shall be verified against the actual installed components before service or modification. Refer to the full Customer Technical & Operation Manual for installation, wiring, safety, maintenance and commissioning procedures.