

SEMI-AUTOMATIC CAPLESS INDUCTION SEALING MACHINE

- Direct contact induction sealing head
- High accuracy power, time and pressure control
- Integral 800W air cooled digital induction generator
- Universal system - seals any size/type of container
- Vacuum foil location for precision seal placement

The Relco MIT-1 is a multi-container capless induction seal application platform for low volume production, product development and test purposes. The system is designed to allow for the direct application of a foil to a container without the need for a cap to locate or compress the seal on/against the sealing land area. Maximum flexibility is provided in control over all sealing parameters to provide the optimum sealing conditions for any container. The user can adjust the downward force against sealing land area, the delay time before the induction power is activated, the induction cycle time and the post-induction 'cooling' time as well as the induction power level, control over which is provided by a 10 turn vernier dial. The Relco MIT-1 machine allows for very accurate seal forming and location combined with the superior quality of an induction seal but without the conventional requirement of a cap.



Technical Specifications:

Supplies: Power 220-240v a/c Single Phase - Rated 5 Amps // Compressed Air: 1-7 Bar

Dimensions: Footprint - 350mm x 350mm (Control Box - 350mm x 350mm x 115mm)

Weight: 30Kg

Pneumatics: 1 x 36mm bore SMC 50mm Stroke Head Cylinder (as standard)
SMC 10 Bar Max. Pressure Regulator
SMC 10 Bar Max. Pressure Gauge

Vacuum: SMC (ZH10B) Venturi Vacuum Generator

Solenoids: SMC 24v DC Solenoid Valves

Sealing Heads: As required for application with internal vacuum pick & place device

Electrical Specification:

Generators: 1 x Relco P-800 (800W) Solid State Induction Generator with full power control

Controls: 24v dc control circuit supplied by Omron 0.3A regulated power supply

Safety: Independent 2-hand cycle start with interlock