

THOMPSON DUKE INDUSTRIAL IZR

Patented (United States Patent No. 10,440,989)

The Thompson Duke Industrial IZR is an industrial filling machine able to accommodate manufacturer packaging directly out of the box.* The IZR includes an enhanced fill table size for tray arrays of up to 252 carts, a large 500ml reservoir and additional improvements dedicated to improving large scale cartridge filling and capping operations.

Enhanced Versatility

Automatically fill cartridges, pods, capsules, syringes and jars directly in manufacturer packaging.* Featuring a larger tray table able to accommodate up to 252 cartridges. Refill the large 500ml heated glass oil reservoir during operation. Adjust the large 1.420 gram dispense capacity precisely with a simplified, knob-based dispense volume adjustment. Quickly configure tray arrays for new devices introduced into the market with custom designed trays available for non-standard devices.

Dispense High and Low Viscosity Oils

The new 500ml glass reservoir uses a patented heated oil dispense system that regulates oil viscosity in Fahrenheit or Celsius. Fill high viscosity oils with extreme accuracy, precision and repeatability. Fine tune dispense speed and force for lower viscosity oils.

Rapid Oil Formula Changes and System Cleaning

Replace the food-safe, laboratory grade dispense system components in less than one minute to switch oil formulas. Rapidly clean the dispense components with minimal loss. A new larger gantry and double-bearing size make height adjustments smooth and precise.

Optimized Touch Screen Control System

Easily control the filling operation using the simple and intuitive seven inch color touch screen. Updated with a new and improved serpentine filling pattern and the ability to control table speed to increase throughput. Adjust temperature and fill speed on the fly. Monitor operating parameters including cartridge tray fill status, real time diagnostics and alarms with complete alarm history.

Patented and Certified

Patented and cETLus Certified for the USA and Canada (UL 61010-1, UL 61010-2, UL508, CSA C22.2, IEC 61010-1). Adheres to the rigorous Good Manufacturing Practice guidelines required for legal compliance.

American-Made

Designed, manufactured, distributed and patented in the United States of America. Industrial control system with compliant materials and dispense components. Stainless steel check valves custom designed and manufactured specifically for oil filling applications. Exceptional customer support available for the lifetime of the machine.

Portable

Lightweight and portable benchtop design for quick and easy setup, operation, and cleaning. Requires 120V AC power and 40psi compressed air.

Optional Data Acquisition System

The optional ACF-DA System data historian and reporting solution permanently stores a record for all system process variables for every cartridge or pod filled. The ACF-DA connects to multiple IZR or ACF1 machines.

Backwards Compatible

Works with all existing Thompson Duke Industrial ACF1 trays and components.

*Custom tooling may be required depending on manufacturers' packaging

