

## 15-TM Series

Medical and pharmaceutical 4-post precision press type heat sealer for surgical devices, unit packs, etc.

### Features

- Precision sealing platens
- Exclusive Zed seal-boost system
- Seal Tyvek, foils, structured films or cardstock
- Precision temperature and timer control
- PLC controls/touch screen
- Quick-change tools

### The ZED Advantage

- Innovative technology
- Superior features
- Heavy duty design
- Excellent quality
- World-class performance
- Customized options
- Support and service



## Description

The Zed 15-TM Series are high-tech precision heat sealers designed specifically for exacting applications such as the medical device, clinical trial, pharmaceutical and related industries. These units are typically used for the production of finished medical device packages utilizing PET/PVC or similar type thermoformed trays with Tyvek lid stock for the medical industry (surgical kits, implants, devices, scalpels, tubing, dental, etc.), and can also be used for carded pill packs, clinical trial packaging, unit dose, foil lids, speciality films, conventional carded blister packs and custom sealing. The 15-TM features dual-sided, aluminum precision ball bearing shuttle trays with quick change style tool locating pins (onto which seal tools are simply placed) allowing up to two operators, if so desired, to independently monitor their own production.

## Operation

Zed 15-TM heat sealers...

1. Each operator loads their tray/blister, product and lidstock into the seal tool
2. The shuttle is manually rolled into the machine (automated shuttle indexing system available)
3. The 2-hand safety interlock start buttons are depressed to initiate the timer controlled automatic cycle
4. The tool is then retracted; the finished sealed package(s) removed, and the process repeated.

Operator loading times may vary depending on the product, #-up tool matrix, etc. Overall cycle speeds vary depending on the application.

## Specifications

**Mechanical:** Four-post precision press featuring solid steel platens (ground flat and parallel to .002" TIR); extra long bushings to ensure smooth seal platen motion; welded heavy wall steel frame coated with steel-it or white epoxy paint; precision double acting seal cylinders plumbed to a coalescing exhaust filter or special plumbing for outside exhaust; incorporate Zed's exclusive "seal-boost" system; air filter, regulator and gauge; extra long-life heater; precision ball bearing type aluminum shuttle trays with locating pins for tool placement.

**Controls:** PLC controls with MMI touch screen type of operator interface. System provides complete control of the following sealing parameters: digital seal time, seal dwell, seal temperature, special temperature over/under fault alarms, low seal pressure fault alarms, diagnostics, program faults, operational faults, etc. System memory can store job files and provide an on-screen review of the previous 25 cycles.

Model	15-TM (14x15)	15-TM (14x20)	15-TM (20x24)	15-TM(30x30)
Max sealing area (in/mm)	14x15/355x381	14x20/355x510	20x24/510x610	30x30/760x760
Max blister/tray depth (in/mm)	4/100	4/100	4/100	4/100
Seal pressure @ 100psi std/ultra	5000/7500	5000/7500	10,000/15,000	10,000/15,000
Seal temperature	0 – 550F	0 – 550F	0 – 550F	0 – 550F
Seal time	0 – 5 sec	0 – 5 sec	0 – 5 sec	0 – 5 sec
Speed (cycles per min)	2 – 6*	2 – 6*	2 – 6*	2 – 6*
Electrical	110V, 1PH	220V, 1PH	220V, 1PH	220V, 1PH
Weight	600 lbs	800 lbs	1,200 lbs	2,500 lbs
Dimensions (LxWxH) (in)	64x30x60	64x36x60	52x80x60	100x48x72
(mm)	1625x760x1525	1625x915x1525	2540x1220x1830	2540x1220x1830

\*depending on application, #-up, blister and lidstock material, etc. All listed specifications are approximate; final "as built" specifications depend on customer requirements.

Options: include ultra high sealing pressure, special face plates, upgrade color touch screen, casters, alternate voltages, automated shuttle indexing, NEMA 12 control panel and other custom options. Other sizes and custom systems available on request.

## Customer Benefits

### Start up assistance

Upon completion, the entire blister packaging system is prepared for production conditions, and customer personnel are completely trained at our facility. After approval, the system is shipped to customer's location. ZED technicians are available to provide on-site support.

### Tooling

ZED Industries has complete state-of-the-art tooling facilities to provide laser-cut maple seal tools and CNC-machined aluminum seal tools, face plates and hoppers.

### After-sale support

ZED Industries' fully qualified field service technicians provide unmatched field support for all of its packaging systems. In-house machine-, tooling-, and control systems engineers provide professional assistance via telephone or modem.

### Marketing support

ZED Industries offers complete sales, marketing, engineering, and technical services to assist its customers at all levels of product development, machinery selection, materials and sampling to help bring products and packaging from concept to reality.

With over 50 years of experience, Zed Industries is the leading manufacturer of thermoforming and plastic packaging equipment including heat sealers for carded blister packs and clamshells, skin packers, die cutters, form/fill/seal equipment, thermoformers and custom engineered packaging systems.



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