

Functions of an iS² System



Convenient Control

Advanced Siemens HMIs with Settings, Auto and Manual Test Menus. Touchpad or Touchscreen operation.



Time & Temperature Accuracy

For legal reasons we claim "±3" degree temperature accuracy, but most tests show accuracy of ±1 degrees F. Adjust seal time in 1/10 second increments.



Pressure Accuracy

Pressure control with 0.1PSI consistency and high tech proportional valve. Control high and low pressure from the HMI.



Interlock Safety Feature

Safety alarms and operation lock out to protect operator and machine.



Independent Thermocouples

Set independent thermocouple temperatures directly from the HMI.



Recipe Storage

The iS² allows a system operator to store specific seal recipes and even lock them for protection and convenience.



Sealing Equipment Purchase Guide

The ideal machine not only meets your current requirements, but can also handle your future expansion. Consider these before your purchase:

- Will you require special features i.e. explosion proof certification, medical validation and calibration ports, specific thermocouple positioning, MAP compatibility, clean room ready construction and air flow (CFM/min) control during vacuum and purge?
- Can your machine later be retrofitted with the latest technology?
- Does your machine come with proper documentation (i.e. schematics, specs and manuals)?
- Are standard and custom consumables readily available for the machine?
- Is your machine backed by a team of experts available for continued technical support?

Contact our Machinery Specialists

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iS²

The Intelligent Sealing System



A Digital Control System for Heat Sealing Equipment

- ✓ Touchpad/Touchscreen
- ✓ Unprecedented Accuracy
- ✓ Medically Validatable
- ✓ Store & Lock Recipes
- ✓ Efficient Operation

For When Accuracy Matters



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Compatible Sealers

Almost any sealing equipment can be converted to the iS² system. Learn more about the benefits of IMPAK's iS²-enabled machines below.

Tabletop Sealers (with and without vacuum)



IMPAK offers readily-available tabletop equipment with the iS² pre-installed and priced in. These units are available with 15", 20" and 25" seal lengths. Stock units are seal-only, but vacuum units are available by order.

Chamber Vacuum Sealers



iS²-enabled chamber sealers are validatable. Seal time, temperature, and pressure are measured to the millisecond and adjusted to produce consistent results, seal after seal. The iS² system is an optional upgrade to our chamber sealers starting at the 520 units and up.

Large Frame, Industrial Grade Sealers (LFIG)



LFIGs are built in the USA and the iS² System is installed standard on every unit. They are offered in horizontal and vertical configurations, with seal lengths starting at 36". Available features include vacuum and gas-flush, 3rd-Party Certification, Explosion-Proof builds, and much more.

Tube Sealers



IMPAK offers a 30" pneumatic multi-tube sealer which can be upgraded to the iS² system. The standard MSTSS760 has analog controls, whereas the upgraded unit features digital control for sealing challenging tube materials.

Available iS² Interfaces



Standard Touchpad

Our most used HMI for the iS² System. Compact and compatible with small tabletop units.



Touchscreen

This mid-size HMI is a slight upgrade from the standard touchpad with fewer keys and more recipe storage; saves recipes for multiple materials.



Advanced Touchscreen

A convenient 7" touchscreen HMI, compatible with large frame machines. Graphs real time/temperature. Saves recipes for multiple materials. Data logging option available.

Case Studies

3rd Party Certified Explosion-Proof Heat Sealers



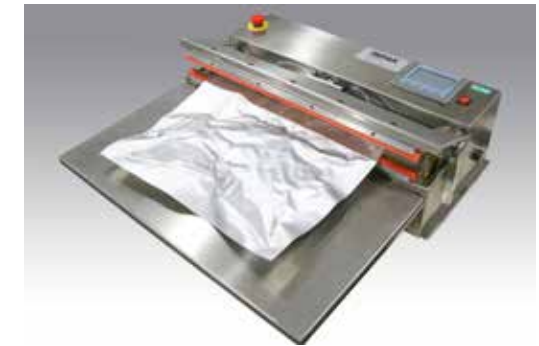
IMPAK's explosion-proof heat sealers for safe operation in hazardous locations not only gave our customer peace of mind, it also meant an insurance discount. And unlike "explosion-proof" units from other suppliers, our units are not simply built from individual

explosion-proof components, the entire machine is 3rd party certified upon completion.

Featured In

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Validatable Vacuum Sealers

IMPAK's flagship iS²-enabled sealers were the tabletop units, built to meet the need for validatable machines for medical device packagers. However, it was not long before the advantages of these units (validatable results, touch-pad interface, digital control to the 10th of a second) were noticed by other industries. Per a request from Amgen®, a validatable unit with vacuum capability was built. This technology is now available on tabletop, chamber, and large frame industrial-grade units (LFIG).

Sold To **AMGEN**