INPACK ‘IN’ SERIES
IN450, IN450 Plus, IN650, IN850 Inline Tray Sealers

DESIGN
- New family of versatile, “Made In USA” Inline Tray Sealers designed with flexibility in mind
- Superior solution for MAP packaging
- Stainless steel washdown construction with sanitary design
- Fully automatic machines
- CE Certified and UL Approved
- Robust machines are simple, reliable, efficient
- Easy-load film cradle with stepper motor control for precise film positioning
- Servo control tray transport system*
- No cooling water required
- Narrow design saves valuable floor space
- IP 67 / NEMA 4X Machine Components

LIFT MECHANISM
- Reliable pneumatic lifting system
- Self-adjusting tray support system incorporates filler plates to reduce volume and minimize gas usage*

AIR PREPARATION
- 3-stage air preparation system utilizes standard and atomizing filters to remove gross water deposits and completely clean incoming air

TOOLING
- Cross-flow vacuum and gas system design for high speed MAP*
- Rapid changeover between tray sizes in under 10 minutes with tool cart

INFEED CONVEYOR
- Single-point adjustment simplifies tray and tooling changeover while saving time

HMI INTERFACE
- Full-color HMI touch screen with high resolution capability*
- Icon-driven menus for easy navigation between screens*
- Stores multiple recipes to facilitate easy product changeover
- Supports multiple languages*

OPTIONS
- Eye-mark film registration
- Ethernet connectivity
- Infeed and outfeed conveyor options

*Features available on IN450 Plus, IN650, and IN850 models only.

IN650 front view

Total access to all components allows fast and easy cleaning and maintenance.
Ross IN450, IN450 Plus, IN650, IN850 Inline Tray Sealers

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>IN450</th>
<th>IN450 Plus</th>
<th>IN650</th>
<th>IN850</th>
</tr>
</thead>
<tbody>
<tr>
<td>A – Length</td>
<td>130” / 3302 mm*</td>
<td>130” / 3302 mm*</td>
<td>145.18” / 3688 mm</td>
<td>153” / 3888 mm</td>
</tr>
<tr>
<td>B – Width</td>
<td>45.38” / 1152 mm</td>
<td>45.38” / 1152 mm</td>
<td>45.38” / 1152 mm</td>
<td>45.38” / 1152 mm</td>
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<tr>
<td>C – Height</td>
<td>76.13” / 1934 mm</td>
<td>76.13” / 1934 mm</td>
<td>76.13” / 1934 mm</td>
<td>76.13” / 1934 mm</td>
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<tr>
<td>D – Conveyor Height</td>
<td>41” / 1041 mm</td>
<td>41” / 1041 mm</td>
<td>41” / 1041 mm</td>
<td>41” / 1041 mm</td>
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</table>

*Subject to change

<table>
<thead>
<tr>
<th>Features</th>
<th>IN450</th>
<th>IN450 Plus</th>
<th>IN650</th>
<th>IN850</th>
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</thead>
<tbody>
<tr>
<td>Maximum Length Tool Set</td>
<td>450 mm</td>
<td>450 mm</td>
<td>650 mm</td>
<td>850 mm</td>
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<tr>
<td>Maximum Tray Depth</td>
<td>80 mm</td>
<td>80 mm</td>
<td>125 mm</td>
<td>125 mm</td>
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<tr>
<td>Tray Transport and Film System</td>
<td>Pneumatic</td>
<td>Servo</td>
<td>Servo</td>
<td>Servo</td>
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<tr>
<td>Cross-flow vacuum and gas design</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
<td>Standard</td>
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<tr>
<td>Quick Change Tray Stops (Standard)</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>4</td>
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<tr>
<td>Infeed Conveyor Length</td>
<td>1.6 meter</td>
<td>1.6 meter</td>
<td>2 meter</td>
<td>2 meter</td>
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<tr>
<td>Outfeed Conveyor</td>
<td>1 meter Roller</td>
<td>1 meter Roller</td>
<td>1 meter Roller</td>
<td>1 meter Motorized</td>
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<tr>
<td>PLC</td>
<td>Function Buttons</td>
<td>Touch Screen</td>
<td>Touch Screen</td>
<td>Touch Screen</td>
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<tr>
<td>Power</td>
<td>230 volts / 3 phase / 60 cycle (Europe: 400 volts / 3 phase / 50 cycles)</td>
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<tr>
<td>Cycles Per Minute (CPM) – MAP Application</td>
<td>Up to 10</td>
<td>Up to 15</td>
<td>Up to 15</td>
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<tr>
<td>Cycles Per Minute (CPM) – Heat Seal only</td>
<td>Up to 12</td>
<td>Up to 18</td>
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<table>
<thead>
<tr>
<th>Options</th>
<th>IN450</th>
<th>IN450 Plus</th>
<th>IN650</th>
<th>IN850</th>
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<tr>
<td>Film Registration</td>
<td>0</td>
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<td>Variable-Speed Motorized Out-Feed Conveyor</td>
<td>N/A</td>
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<td>Standard</td>
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<td>In-feed Conveyor Extension, 1.5 meter</td>
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<td>Additional Tray Stops</td>
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<td>Easy-Set Tray Stop System Upgrade</td>
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<td>Tool Cart – Maintenance and Changeover</td>
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<td>Tool Storage Rack (Holds Two Tools)</td>
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<td>Spare Parts Kit – Basic</td>
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<td>Spare Parts Kit – Extended</td>
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© Optional Components Standard – Standard Components N/A – Not Available