Moline Portable
Donut Cutter-Picker Unit

Provides synchronized and smooth donut processing in a portable, compact format.

The Moline portable donut cutter-picker is an efficient, compact design used to cut donuts and pick out the center holes as the dough sheet travels through the machine. The cutter is powered by the movement of the conveyor belt and activates the picker assembly via a series of chains. The cutter, picker rods and paddles are synchronized to “cut and pick” at the proper time for smooth, continuous operation. The donut holes that have been removed from the center of the donuts are then deposited onto a gearmotor-driven cross conveyor and removed from the make-up table for reuse as scrap. Guards are safety interlocked to prevent access to the rotating components during operation. The unit is typically controlled through the production system’s operator interface. Stainless steel construction provides efficient sanitation and durability.

The cutter-picker unit is designed to be removed from the production line when not in use. A portable lift frame can be purchased for easy machine removal and installation.

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Features

• **Construction:** Stainless steel with precision machined components.

• **Guards and Covers:** Safety interlocked guards prevent access during operation. Once the machine is shut down, easy access is provided for inspection, sanitation and maintenance.

• **Control Functions:** The unit is typically controlled through the production system’s operator interface. Manual controls are also available.

• **Pneumatics:** Once the cutter-picker unit is properly installed on the conveyor, and the air is activated, the two air cylinders pull the unit down toward the conveyor bed, providing the appropriate pressure for cutting. Cylinders can be raised for transport.

• **Drive Systems:** The cutter is driven by the action of the dough sheet moving beneath it on the conveyor bed. When the cutter begins to rotate, a series of chains provide activation to the picker and paddle assemblies. The cross conveyor is activated by a gearmotor.

An optional proximity sensor synchronizes the action of the cutter-picker unit with other equipment on the production system.

### Pneumatic Requirements

<table>
<thead>
<tr>
<th>Model</th>
<th>24”</th>
<th>32”</th>
<th>36”</th>
<th>39”</th>
<th>42”</th>
<th>48”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belt Width</td>
<td>610 mm</td>
<td>813 mm</td>
<td>914 mm</td>
<td>991 mm</td>
<td>1067 mm</td>
<td>1219 mm</td>
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<tr>
<td>Conveyor Width</td>
<td>711 mm</td>
<td>914 mm</td>
<td>1016 mm</td>
<td>1092 mm</td>
<td>1168 mm</td>
<td>1321 mm</td>
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<tr>
<td>Overall Width</td>
<td>940 mm</td>
<td>1143 mm</td>
<td>11245 mm</td>
<td>1321 mm</td>
<td>1397 mm</td>
<td>1549 mm</td>
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<tr>
<td>Table Width</td>
<td>37” (940 mm)</td>
<td>Required Table Space</td>
<td></td>
<td></td>
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</tbody>
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