

Moline Portable Donut Hole Removal Unit



Provides efficient donut hole removal from cut product in a portable, compact format.

Shown with guard removed during shutdown.



- **Accommodates conveyor widths of 24" to 52".**
- **Easily controlled through the operator interface.**
- **Can be removed from the production system when not in use.**

The Moline portable donut hole removal unit is an efficient, compact design used to remove the center holes from cut product. A series of picker rods mounted on a rotating shaft are synchronized with paddles to remove the product center holes and deposit them onto a gearmotor-driven cross conveyor. The removed center holes are then transferred from the make-up table for reuse as scrap. The picker rod shaft is powered by a gearmotor and drives the paddle shaft via a set of gears. The guards installed

on the machine contain safeties to prevent access to 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 donut hole removal 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.



Moline Machinery LLC

114 South Central Avenue • Duluth, Minnesota, USA, 55807
218-624-5734 (For after hours service, call 218-590-1987)
www.moline.com • sales@moline.com



Moline Portable Donut Hole Removal Unit

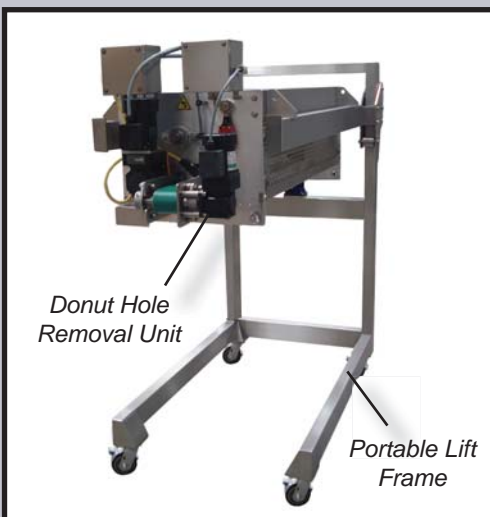
Features

- Construction:**
 Stainless steel with precision machined components.
- Guards and Covers:**
 Guards contain safeties to prevent access during operation.
- Control Functions:**
 The unit is typically controlled through the production system's operator interface. Manual controls are also available.
- Pneumatics:**
 Once the donut hole removal 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 height for product center hole removal.
- Drive Systems:**
 The picker rods and cross conveyor are each driven by a gearmotor. The paddles are driven by a set of gears installed on the picker rod shaft and paddle shaft.

An optional proximity sensor synchronizes the action of the donut hole removal unit with other equipment on the production system.



Portable Donut Hole Removal Unit (interior)
(shown with guard open during shutdown)



Pneumatic Requirements	5 cfm @ 100 psi					
Electrical Requirements	Standard: 115 Volt, 60 Hertz, 1 Phase					
Standard Available Machine Sizes						
Model	24"	32"	36"	39"	42"	48"
Belt Width	24" 610 mm	32" 813 mm	36" 914 mm	39" 991 mm	42" 1067 mm	48" 1219 mm
Conveyor Width	28" 711 mm	36" 914 mm	40" 1016 mm	43" 1092 mm	46" 1168 mm	52" 1321 mm
Overall Width	47.5" 1207 mm	55.5" 1410 mm	59.5" 1511 mm	62.5" 1588 mm	65.5" 1664 mm	71.5" 1816 mm
Table Width	27.5" (699 mm) Required Table Space					



Moline Portable Donut Hole Removal Unit