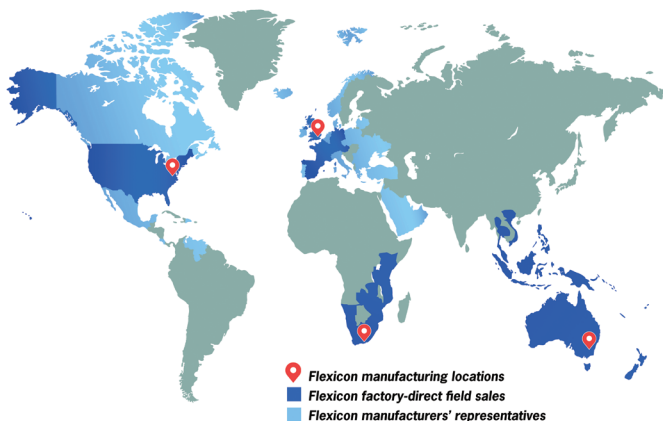




Light Curtain Equipped Box Dumper Streamlines Handling, Enhances Safety

TFC25-151



● Flexicon manufacturing locations
■ Flexicon factory-direct field sales
■ Flexicon manufacturers' representatives

flexicon®

USA

FLEXICON CORPORATION
Tel: +1 610 814 2400
E-mail: sales@flexicon.com
Web: www.flexicon.com

UK

FLEXICON (EUROPE) LTD
Tel: +44 1227 374710
E-mail: sales@flexicon.co.uk
Web: www.flexicon.co.uk

AUSTRALIA

FLEXICON CORPORATION
(AUSTRALIA) PTY LTD
Tel: +61 7 3879 4180
E-mail: sales@flexicon.com.au
Web: www.flexicon.com.au

SOUTH AFRICA

FLEXICON AFRICA (PTY) LTD
Tel: +27 41 453 1871
E-mail: sales@flexicon.co.za
Web: www.flexicon.co.za

SPAIN

FLEXICON EUROPE SPAIN
Tel: +34 930 020 509
E-mail: ventas@flexicon.es
Web: www.flexicon.es

FRANCE

FLEXICON EUROPE SAS
Tel: +33 7 61 36 56 12
E-mail: ventes@flexicon.fr
Web: www.flexicon.fr

GERMANY

FLEXICON EUROPE GmbH
Tel: +49 173 900 78 76
E-mail: vertrieb@flexiconeurope.de
Web: www.flexicondeutschland.de

SINGAPORE

FLEXICON SINGAPORE PTE LTD
Tel: +65 6778 9225
E-mail: sales@flexicon.com.sg
Web: www.flexicon.com.sg

INDONESIA

FLEXICON SINGAPORE PTE LTD
Tel: +62 81 1103 2400
E-mail: sales@flexicon.co.id
Web: www.flexicon.co.id

Light Curtain Equipped Box Dumper Streamlines Handling, Enhances Safety

This new TIP-TITE® Box Dumper from Flexicon is designed to provide dust-free transfer of bulk solid materials from boxes, Gaylords, or other rigid containers into downstream processes. A key feature is its light curtain—a non-contact safety device that replaces traditional safety lock doors.

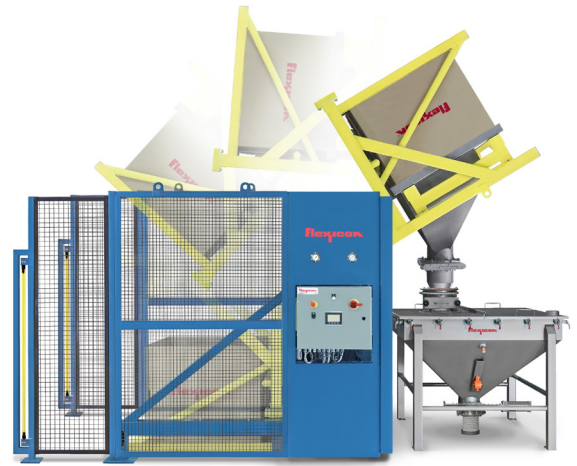
As a result, a single operator can load the dumper via fork truck without leaving the vehicle, eliminating the need to repeatedly dismount, remount, and reposition the fork truck during loading, helping speed production cycles.

Once loaded in the dumper, the box is hydraulically raised to seat against a discharge hood. The assembly is then hydraulically elevated and tipped until the spout of the discharge hood mates with a gasketed receiving ring on the lid of the receiving bin. The light curtain automatically stops the dumper's motion if someone enters the hazard zone. Once the hood is properly positioned, the operator activates a pneumatically actuated slide gate, enabling material to flow into downstream processing equipment.

The receiving platform accommodates boxes measuring 36 to 48 inches (915 to 1220 mm) per side and 36 to 52 inches (914 to 1321 mm) in height.

A wire mesh enclosure provides additional operator protection from moving parts. All hydraulic, pneumatic, and electrical functions, including a programmable HMI, are housed in a NEMA 4 control box suitable for washdown with water or mild solvents.

The system is available in carbon steel with durable industrial coatings and stainless steel material contact surfaces; or in all stainless steel, constructed and finished to food, dairy, or pharmaceutical standards.



The light curtain feature on this new TIP-TITE® Container Dumper from Flexicon allows a single operator to load and unload containers without leaving the fork truck. The device automatically stops the machine if someone enters the hazard zone.

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USA

FLEXICON CORPORATION
Tel: +1 610 814 2400
E-mail: sales@flexicon.com
Web: www.flexicon.com