

FLEXICON CONFIGURATIONS



Flexible Screw Conveyor Trough Hopper Accommodates Multiple Material Sources

EE-1158



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.com
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

Flexible Screw Conveyor Trough Hopper Accommodates Multiple Material Sources

This Flexicon® flexible screw conveyor with trough hopper can receive material from multiple outlets of feeders, grinders, blenders and other process equipment.

The hopper features an extended-length charging adapter that exposes 45 in. (1143 mm) of the flexible screw rotating within an inclined U-shaped trough to charge material entering the hopper at any point.

The rugged inner screw is the only moving part contacting material, and is offered in numerous designs to handle both free- and non-free-flowing materials including products that pack, cake or smear, with no separation of blends. As it rotates, the flexible screw self-centers within the tube, providing ample clearance between the screw and tube wall to eliminate or minimize degradation. Material exits the conveyor below the drive point, precluding contact with bearings or seals.

The hopper is equipped with a stainless steel grate for worker safety, and to prevent oversized particles from entering the conveyor.

Smooth, crevice-free surfaces of the screw and tube interior allow in-place flushing with water, steam or cleaning solutions through a lower clean-out cap and/or upper discharge housing. The flexible screw can also be removed through the clean-out for separate sanitizing and inspection of the polymer conveyor tube and stainless steel hopper, as well as the screw.



A new Flexicon® flexible screw conveyor with trough hopper accommodates multiple outlets of feeders, grinders and other upstream equipment.

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USA

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