

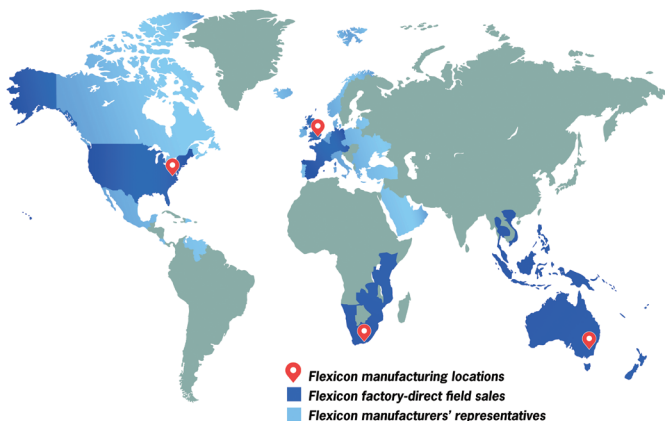
FLEXICON CASE STUDY



A 6.5 m (21 ft) long Flexicon flexible screw conveyor moves malted grain from the milling room to the brewing tank. Secure connections of the enclosed conveyor tube and flexible downspouting prevent dust and spillage.

Simplicity Drives Malt Conveyor Specification at Madrid Brewery

HH-0837



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

Simplicity Drives Malt Conveyor Specification at Madrid Brewery

MADRID, SPAIN — Established in 2017, the Cervecera Peninsula craft brewery brings a taste of the New World to the heartlands of Spain with its hoppy American-style beers.

Operated by a father and son team, the company needed to move grain from the milling room to the brew tank, and decided on a flexible screw conveyor from Flexicon Europe. The needed components were available via Flexicon's Quick-Ship program, which provides rapid delivery of frequently-specified systems such as this.

"In the beginning, we had to do everything ourselves. We were putting in the grain by hand," says Roman Jove, Cervecera Peninsula Founder and Head Brewer. "We needed certain processes to be very simple. I had looked at many options but Flexicon was recommended by brewer friends in the US."

Moving milled grain to the mash house

The brewing process begins in the milling room, where milled, malted grain is conveyed from a 225 litre (7.9 cu ft) capacity floor hopper to a brew tank by a 6.5 metre (21 ft) long flexible screw conveyor. As it rotates, the screw self-centres within the 67 mm (2.6 in.) diameter polymer tube, providing ample space between the tube and screw wall to avoid grinding of the milled grain.

The mill produces two 400 kg (880 lb) batches per day of either malted wheat or a malted wheat-oat blend, all of which is transported directly to the brew tank by the conveyor. The design of the conveyor screw was specifically selected to efficiently transport the various free-flowing materials. With the drive motor located beyond the discharge point, the material does not contact seals or bearings.

Keeping things simple

Sr. Jove recounts installation of the conveyor as "very simple." It is cleaned after every five batches, a procedure that consists of reversing the screw to evacuate residual material, and in-place flushing of the interior. Alternatively, the screw can be removed through a lower end cap for sanitising.



The drive motor of the flexible screw conveyor is located beyond the discharge point, preventing material contact with seals or bearings.



The conveyor's flexible screw moves the wheat-oat blend from the hopper into the conveyor's tube. The spiral has ample room between the tube walls to avoid grinding of the material.

The conveyor meets Cervecera Peninsula's requirements for gentle handling of the malted grain with no separation of wheat-oat blends. "It moves all the material together at the same speed," says Sr.Jove. The enclosed tube also eliminates dust and spillage, as well as contamination of the product or plant environment.

"It takes a lot of the work out of brewing and that's something we appreciate," he concludes.



The flexible screw conveyor moves the wheat and oat materials together at the same speed with no separation.



Owner Roman Jove displays Cervecera Peninsula's American style craft beers.



flexicon®

USA

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