

# horizontal motion distribution conveyor





## the ultimate horizontal conveying system

tna roflo<sup>®</sup> HM 3 is the ultimate horizontal conveying system that moves product via a slow forward horizontal motion. Due to no vertical element, the tna roflo<sup>®</sup> HM 3 minimises flavour fall off and ensures zero flavour build up in the pan.



### key benefits

- » Minimises product breakage and flavour loss, and is easy to clean, thanks to the pan's gateless design
- » Ideal for heavy coated products with no seasoning build up on the pans
- » Raise the pans from the product stream to support two independent flows of product with erector lifts
- » Meet the demands of manufacturing flexibility with TNA's own switcharoo technology that tilts pans in different directions and reverses product flow as needed
- » Utilise tray lengths up to 20 metres (787") on a single drive
- » Reduce chance of failure, boost reliability and increase lifecycle with drive module that has fewer parts

### standard features

- » TNA switcharoo design for total direction reversibility
- » Unique gateless design
- » Stainless steel pans
- » Instantaneous conveyor movement
- » Programmable closed-loop servo
- » Drives – long stroke, low frequency
- » Pan length range 1m – 20m (100mm increment)
- » 1 HMI (human machine interface) can control up to 32 HM3
- » Upstream call output (UCO)
- » Auto stand-by

### optional features

- » Lifteroo
- » Bi-directional and reversible feed
- » Custom length pans
- » Long pan lengths over 20m (787")
- » Plant integration control (PIC)
- » Quick release pans

## applications



baked snacks



cereals



nuts



pasta



pet foods



snacks

## specifications

tna roflo <sup>®</sup> HM 3	standard	large	cross feeders
pan section size			
width x depth mm (in)	585 (23) X 200 (8)	735 (29) X 330 (13)	525 (21) X 150 (6)
transfer rate kg/hr (lbs/hr)			
density @55 g/L (lbs/gal)	2283 (5033)	4988 (19996)	295 (650)
density @100 g/L (lbs/gal)	4160 (9171)	9070 (14881)	295 (650)
density @200 g/L (lbs/gal)	8320 (18342)	18140 (39992)	295 (650)
capacity m <sup>3</sup> /hr (cfm)	41.6 (24.5)	90.7 (53.4)	295 (650)
noise level dB(A) @ 1 m	70	70	70
transfer speed max m/min (ft/min)	15 (49.2)	15 (49.2)	4 (13.1)
power consumption kW (hp)	**	**	0.4 (0.5)
floor loading			
pan mass kg/m (lbs/ft)	23 (15.4)	34 (22.9)	13.5 (9.1)
drive & base unit dead load kg (lbs)	321 (707.7)	321 (707.7)	110 (242.5)

\* All above specifications are subject to change and may differ according to product. Please confirm when placing your order.



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