vibratory motion blending system

tna >> roflo® VMBS 3
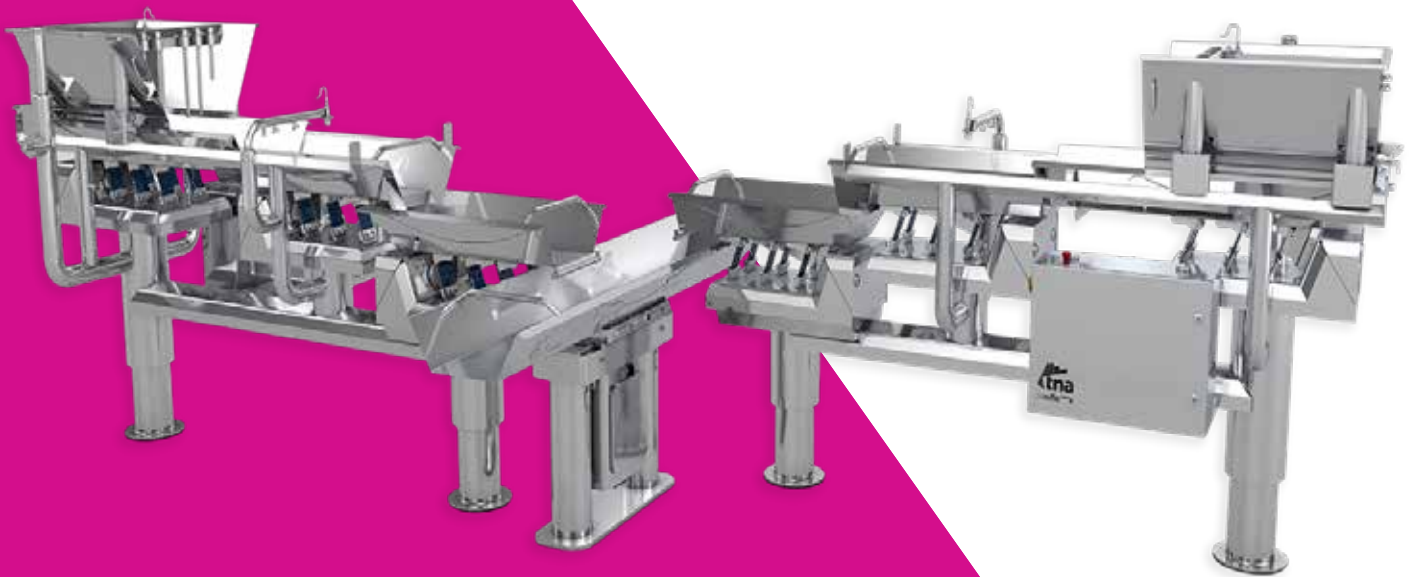
speed, vertical motion and mass flow technology

The tna roflo® VMBS 3 is a vibratory motion blending system that accurately measures individual ingredients to ensure every recipe is a success. Using speed, vertical motion and mass flow technology, its innovative design regulates the amount and distribution of dry/wet ingredients to create a perfectly proportioned mix.
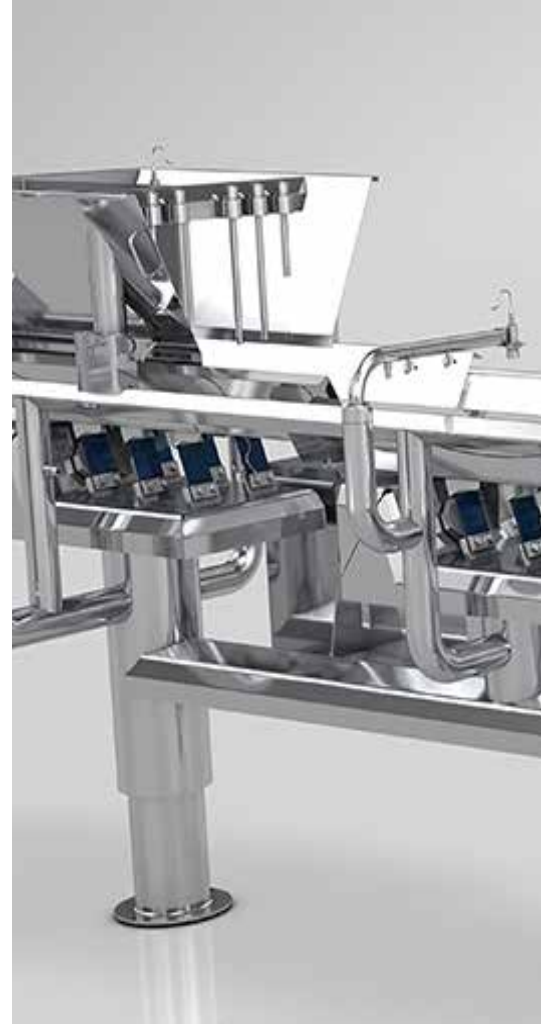
key benefits

» It's modular design, is simple and flexible blending system works with just about any production layout.

» Achieve consistent product mixing with a compact blending system that precisely measures every ingredient.

» Deploy efficient ingredient input modules (IIM) that blend up to 22 ingredients with +/- 1% of set point accuracy.

» Increase profits by reducing ingredients costs by precisely controlling ingredient input.

» Lower your TCO with pre-wired modules, designed for easier installation and lower maintenance.

» Maximise OEE with a simple design that reduces downtime by enabling easy cleaning and maintenance with fewer moving parts.

» Reduce footprint with a compact design using 3.5m (11.48ft) ingredient input modules (IIM) that cater to diverse production layouts.

standard features

» Integrated tna roflo® VM ingredient input module (IIM)

» Infeed conveyor with hopper

» Control conveyor

» Weigh conveyor

» Stainless steel, wash down conveyors

» Pre-wired module for easier installation

» Hopper condition indicator lights

» Central control technology

» Compact microprocessor controller

» One stainless steel frame to support the module

» Built-in feedback sensor in the electromagnetic coil

optional features

» Variable infeed methods: manual, bulk and directly connected to the processing line

» Variable output methods: tna roflo® VM, tna roflo® HM or belt

» Each module can be mobile with a docking station

» Remote drive condition monitoring

specifications

tna roflo® VMBS 3		
all dimensions and specifications are per module	standard	small
infeed hopper capacity m³ (ft³)	0.3 (11)	0.2 (7)
tray width (at top) mm (in)	580 (23)	375 (15)
tray depth mm (in)	200 (8)	150 (6)
overall length mm (in)	3530 (139)	
overall width per module mm (in)	1375 (54)	1175 (46)
overall height - floor to hopper infeed mm (in)	2190 (86)	1800 (70)
max volume throughput m³/hr (ft³/hr) assumed: 15m/min (49ft/min) (150/100 deep)	62 (2190 (product depth in the pan 150mm (5.9in))	26 (918 (product depth in the pan 100mm (3.9in))
min volume throughput m³/hr (ft³/hr) assumed: 6m/min (19.6ft/min) (150/100 deep)	6 (211)	1 (35)
max volume throughput m³/hr (ft³/hr) assumed: 200g/1 (0.44 lbs/gal) (150/100 deep)	12400 (27300) (product depth in the pan 150mm (5.9in))	5200 (11464) (product depth in the pan 100mm (3.9in))
accuracy (% of set point)	±1	
input voltage requirement	230v 1ph	
total power requirement (kW/module)	1	0.8
total mass kg (lbs)	1273 (2806)	950 (2094)

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

customer care program

customer service — your team — project management — customer portal — product testing — remote assist — training — technical services