Lab1
Universal Mixer

One Mixer - Endless applications...

NYMAX
DESIGN by INNOVATION

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The adaptable in-container mixer designed for compounding

The Lab 1 universal mixer has been specifically designed for compounding. Fitted with a unique 3 dimensional inversion mixing arm which allows the user to obtain a perfect homogenized mix for both liquids & powder. The Lab 1 is also designed for “in container” mixing, any size* any shape*

Mixing the way that suits you, if traditional V-shell mixing is your preferred method then a V-shell container can be easily fitted in seconds (no tools required) giving you true flexibility to meet your customers needs.

Multiple vials, no problem the tube rotator attaches in seconds and allows gentle agitation of liquids by rotation.

Features and Benefits

- Unique twin inversion motion for quick efficient mixing
- In container mixing
- Small quiet & compact
- Speed control from 0 to 60 rpm
- Interchangeable mixing arms for greater flexibility
- Adjustable angle from horizontal through 45 degrees
- Upgrade path for future attachments

Technical specifcations

Dimensions (base unit only): W x H x D (in / mm)	(9 x 8 x 11 in) - (229 x 203 x 280 mm)
Weight (base unit only):	8kg
Speed range:	0 to 60 RPM
Electrical requirements:	110 - 240 V, 50/60 Hz
Maximum container size* Diameter x height:	(4 x 5 in) - (101 x 127 mm)*
Warranty:	12 Months

Test results for the Nymax Lab 1 universal mixer.

Test conditions

Mixing device used: (incl attachment type)	Lab 1 - Inversion arm
Substance mixed:	Pharmacy grade Lactose & Dyed corn starch
Container used:	750 ml jar (material PET)
Mixing time:	90 seconds
Ambient condition:	Temp (celcius) 21 - Humidity 52%

Approximately 10g of dyed corn starch was placed into the mixing container with 60g of Lactose powder. (fig -1) The container was placed into the mixer and mixed for 90 seconds at 60 rpm. (fig - 2).

fig - 1

fig - 2

Figure (1) ingredients in mixing container. Figure (2) Container being mixed for 90s at 60 rpm

After mixing the powder was visually examined under a microscope at 50x magnification. (fig - 4)

fig - 3

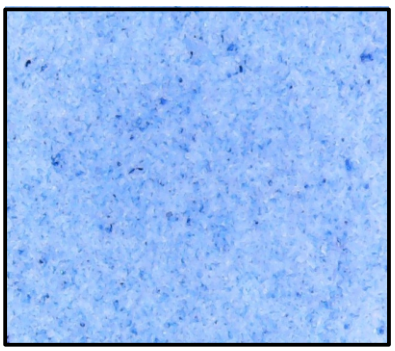

fig - 4

Figure (3) Mixed ingredients shown in container. Figure (4) Mixed ingredients shown at 50 x magnification.

Conclusion

The Lab 1 mixer proved efficient at mixing powders resulting in a homogeneous mix.