



Drum Shell



V-Shell

ProMixer / Blender for mixing up to 450 ml (1 US Pint) of powder using V-Shell or Drum Shells.

- Typical mixing time 5-10 minutes.
- Drum & V-Shells are proven designs for uniform mixing with low shear stress and no heat generation. This means minimum change in particle size distribution and no chemical degradation.
- Drum shells are lower in cost and faster and easier to use. They are filled through one opening and are self-standing.
- Traditional V-Shell requires ingredients to be charged equally through both openings. Optional stand available to free both hands for charging the V-Shell.
- Mixer & Shells made from Inox (Stainless Steel 316). Shells have mirror-finish (400 grit) and are electro-polished for extra-smooth powder flow and easy cleaning.
- Shell lids include an agitator blade to improve mixing and help break up lumps.
- PLC Control panel to set rotation speed, time and direction.
- Mixer rotation stops when safety cover opened.

### Mixer Settings

Rotation Time	Setting 1-60 min. Typical 5 min.
Reverse Rotation Time	Setting 1 sec. to 50 mins. Typical 1 min.
Rotation Speed	45 to 80 rpm.

### Mixer Specifications

Volts / Hz. / Watts	110-230 Volts / 50-60 Hz. 40 Watts.
Weight (with 750 ml V Vessel)	12 kg (27 lbs)
L x W x H	44 x 20 x 20 cm (17 x 8 x 8 inches)

**See Reverse for Pricing and Shell Specifications**

Designed & Manufactured by:

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### Mixer Base



ProMixer Base only shells are sold separately for maximum versatility.

### Item Code

XM-VMix Base

### Price US\$

\$2690

### Mixer Shells





Drum Shell opened to show Agitator Blade




V-Shell opened to show Agitator Blades

- Shell sizes are based on air volume.
- Recommended Bulk Powder Volume. For most powders the recommended volume ensures complete mixing within 5-10 minutes. Using a larger powder volume increases mixing time exponentially. Using a lower powder volume can result in poor mixing.

Shell Type	Shell Size	Recommended Powder Volume	Capsule Batch size <sup>a</sup>	Item Code	Price US\$
 <b>Drum Shell</b>	750 ml	75ml - 450ml	300 or 3 batches of 100	XM-DS750	\$470
	250 ml	25ml - 175ml	120 or 2 batches of 60	XM-DS250	\$435
	220 ml	22ml - 155ml	100 capsules	XM-DS220	\$425
	130 ml	13ml - 91ml	60 capsules	XM-DS130	\$415
 <b>V-shell</b>	750 ml	75ml - 450ml	300 or 3 batches of 100	XM-VS750	\$690
	250 ml	25ml - 175ml	120 or 2 batches of 60	XM-VS250	\$590
	220 ml	22ml - 155ml	100 capsules	XM-VS220	\$575

<sup>a</sup> In recommending the shell size we considered the powder volume based on its bulk density. Typically powders increase in density (or reduce in volume) by about 8% to 35% from their bulk density during tapping, tamping or vibration. The reduction in volume for granular or coarse powders is less than for fine and fluffy powders. These are recommendations only and actual volume will vary based on the powder blend.

V-Shell Stands	Compatible V-Shells	Item Code	Price US\$
	For both XM-VS750 & XM-VS250 V-Shells	XM-VSD2575	\$60
	For both XM-VS250 & XM-VS220 V-Shells	XM-VSD2225	\$60

Stands free both hands when adding powder. **Drum Shells** are self-standing and do not require a Shell Stand.

