



DOUBLE CONE BLENDER

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[Double Cone Blender Machine](#) is efficient and versatile equipment for mixing powder such as pharmaceutical recipients, various chemicals, and food products homogeneously. With an effective volume for optimum homogeneity between 35-70% of gross volume. The conical shape and elongated plane at both ends enable uniform mixing and easy discharge.

The blending of powders is a crucial step in the production of pharmaceutical solid dosage forms. The active pharmaceutical ingredient (API) is often a powder that is blended with other powders (excipients) to produce tablets. The blending efficiency is influenced by several external factors, such as the desired degree of homogeneity and the required blending time, which mainly depend on the properties of the blended materials and the geometry of the blender.

Blending includes an Active Pharmaceutical Ingredient (API) and numerous excipients which include fillers, binders, lubricants or disintegrates to name a few. Blending is a process that mixes the API and excipients to ensure there is a homogeneous mixture of all the ingredients for each manufacturing process. The blending process critical process parameters are identified as blender speed and blend time.