

DEFINER® DF2000

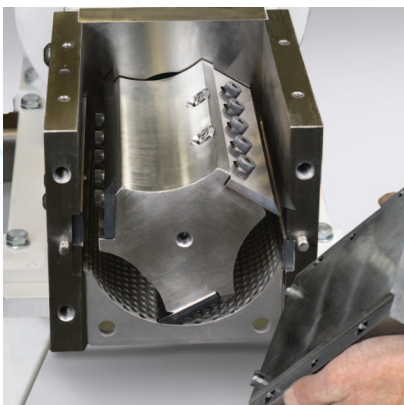
Versatile Knife Mill

The DEFINER® DF2000 is an advanced, lab style knife mill designed to meet the stringent demands of the hemp, herb, cannabis, chemical, and pharmaceutical industries. The DEFINER provides precise cutting action, along with unparalleled simplicity and ease of maintenance. Whether you need to change out the screen, disassemble, or quickly clean the cutting elements, it can be accomplished in minutes.

The DEFINER DF2000 has a fully enclosed, dust-tight housing constructed of stainless steel. The unit's precision knives are constructed of durable tool steel. Its streamlined, direct drive design provides smooth and quiet operation while reducing maintenance.



Easy to Clean | Highly Productive | Repeatable Process | Uniform Output
Cuts Without Overgrind | Minimizes Heat Generation | Maintains Product Quality



A close up view of the DEFINER DF knife mill's interior cutting chamber .

Precision Size Reduction

The DEFINER knife mill preserves the important properties of valuable materials with a precise, cutting action that minimizes dust and heat rise. This unit reduces hemp, herbs, spices, and various lumps and agglomerates, without overworking the material. With its rotary knife elements, it effectively shears stringy solids. With a choice of optional cutter element designs and multiple available screen sizes, the DEFINER knife mill delivers a dependable solution for a wide variety of size reduction applications.

Construction

The DEFINER DF2000 housing is constructed of smooth polished stainless steel plate. The stand and drive components are supplied standard in carbon steel with a white enamel finish. A discharge transition is supplied with the optional pneumatic discharge system.

The DEFINER features a variable frequency drive (VFD) provided in a Nema 4X enclosure. With the VFD, you can precisely adjust the unit rotational speed, influencing the particle size and throughput rate.

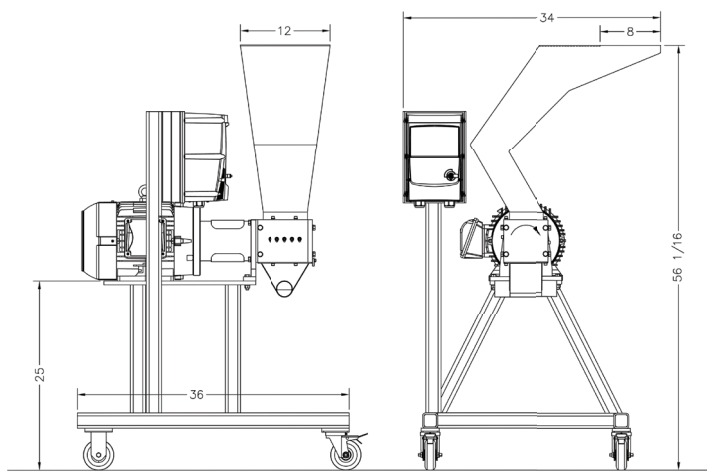


Controller supplied. VFD in a NEMA 4X enclosure.

Options

- **Special Alloys and Finishes**
- **Explosion Proof Motor**
- **Single Phase Power**
- **Air Assist Extraction**
- **Stainless Steel Knives**
- **Casters**

Dimensions



Dimensions are subject to change. Contact the factory for a certified drawing.
Contact Franklin Miller to set up a test of your material in our customer test center.



The DEFINER DF2000 processes hemp with uniform particle size distribution and minimal heat generation.

DEFINER® KM Series Knife Mills

DEFINER® KM knife mills are high performance production mills that quickly and efficiently reduce hemp, cannabis and more to a desired output size. Solids are cut to with a shear action, without overgrind or excessive fines. DEFINER knife mills deliver consistent output while maintaining the product integrity.



DEFINER KM500

Capacity ranges up to 300 lbs./hour.



DEFINER KM1000

Capacity ranges up to 2,000 lbs./hour.



DEFINER KM3000

Capacity ranges up to 5,000 lbs./hour.