

# **PROVEG ENGINEERING AND FOOD PROCESSING PVT. LTD.**

<https://provegengineering.in>



**“We believe in judging our success by our ability to meet the expectations of our customers and Principal's and work with the aim of providing global technology with local support.”**

## **About us**

We are a professional business entity engaged in designing, engineering, manufacturing, supplying, erecting and commissioning of an array of vegetable and fruit processing pretreatment line, hot air dryers, vacuum freeze dryers, IQF, extruded food machineries, baked food machines, candy, chocolate machines, industrial mixers, nut and grain shelling, hulling , grading, sorting and cutting machines, packaging solution. Our expertise resides in turnkey plants which we can assemble at client's site with ease.

From humble beginnings in year 2006 as Techno Engineers & consultants, now at PROVEG we have emerged as a strong partner to our customers serving them with need based solutions at affordable prices while never compromising on the quality of our equipment

Headquartered in Pune, we have a local presence in Chennai. In addition, we have a well-equipped manufacturing & testing facility on the outskirts of pune to give our customers the opportunity to test and validate their products with our solutions. Our manufacturing facility is also the authorized unit for manufacturing Shakers from Key Technologies.

## **Our strengths**

- End to end solutions for food processing
- Highly skilled after sale service support
- 15 years of experience in automation of various International & Regional snack food products.
- We provide full solution right from procurement up to delivery of equipment to your doorstep, commissioning, handovering and backing it with technical support for life long
- Fully automatic solution for our machines

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# Spice Plant Machine

# **1) BKFL-600 Self Suction Pulverizer with Classifier**

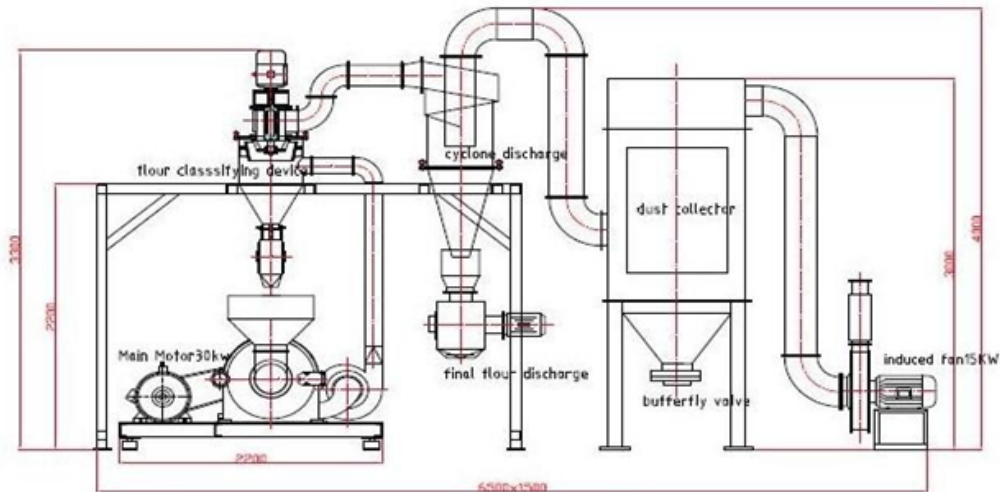
## **General**

This self-suction type pulverizer is an efficient mill for food, spices, grains, etc., Crushing and grading of split materials, and independent operation. The machine has a full-featured, compact structure, stable technical performance, power consumption province, a wide range of application, fineness adjustable, easy maintenance, and other characteristics, all the process after feeding to the finished product is carried out in the same closed system, with the dust removal processing, no pollution to environmental, it is an ideal machine for food industry and GMP standards.



## **Main structure**

By hopper , crushing system ,fan blade device , suction dust removal system and the induced draft system, heating system, classifying system, driving device composed of crushing chamber, hopper , crushing blade , gear ring , sieve , fan blade , discharging by suction pipeline , cyclone , air clock , dust filter bag , induced draft fan and so on .



## **Working Principle:**

The raw material enters into the crushing chamber through the feed hopper. The material, impacted by the high-speed rotary cutters, is thrown to the fixed liners, then is bounced and sheared. Meanwhile, under the impact, cut, rub force by turns, the material is milled well. Under the pull force of the positive pressure air produced by high speed fan blade, the finished products are absorbed into the cyclone through the sieve. A little of superfine powder is collected by the pulse dust remover.

## **Special Features:**

1. Because of the fan blade structure, when machine running, fan blades take out of chamber inside air, take away chamber's grinding friction heat, so chamber will not be over heat, make sure the materials property not changed.
2. This machine overcome the universe grinder shortcomings, universal grinders will cause block in chamber and sieve plate, affect machine if process sticky, heat sensitive, oily materials.

3. Because the strong expel force , so during the process, if reach the required mesh size, will soon come out by fan blades, will not stay longer in chamber, the bigger size will come back through the classifier and make sure all final rice flour is very fine
4. Quick release hoop and quick release air locker, very convenient for cleaning

### **Technical parameter for BKFL-600**

<b>Capacity</b>	Around 300-400 kg/h for rice flour 95% through 100 mesh Spindle
<b>RPM</b>	2500r/min
<b>Main Motor</b>	30KW
<b>Air blower</b>	7.5KW
<b>Induced air fan power</b>	15KW
<b>Discharger power</b>	0.75KW
<b>Classifying power</b>	7.5KW
<b>Heating power</b>	30KW
<b>Voltage:</b>	440V, 3 phases, 50HZ
<b>Material</b>	High Quality of SUS304 with assurance of thickness and enduring use

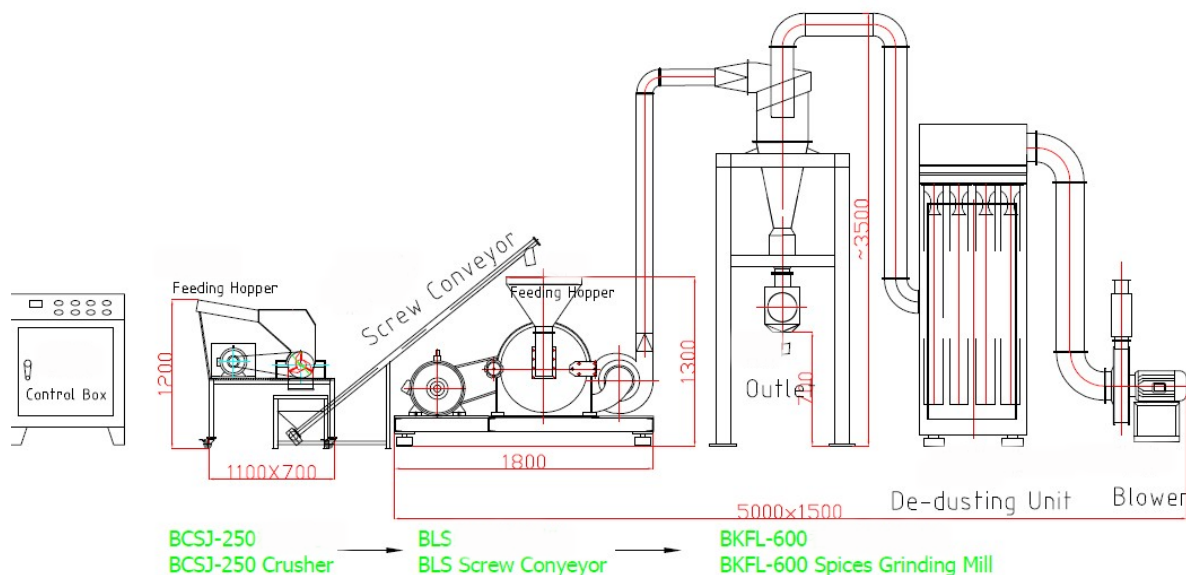


## **2) BKFL-600 Self Suction Pulverizer without Classifier, with pre crusher and screw conveyor**

### **Working Principle:**

The raw material enters into the crushing chamber through the feed hopper. The material, impacted by the high-speed rotary cutters, is thrown to the fixed liners, then is bounced and sheared. Meanwhile, under the impact, cut, rub force by turns, the material is milled well. Under the pull force of the positive pressure air produced by high speed fan blade, the finished products are absorbed into the cyclone through the sieve. A little of superfine powder is collected by the pulse dust remover.

### **Main structure**



### **Special Features:**

1. Because of the fan blade structure, when machine running, fan blades take out of chamber inside air, take away chamber's grinding friction heat, so chamber will not be over heat, make sure the materials property not changed.



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<b>Classifying power</b>	7.5KW
<b>Heating power</b>	30KW
<b>Voltage:</b>	440V, 3 phases, 50HZ
<b>Material</b>	High Quality of SUS304 with assurance of thickness and enduring use

### **3) BCSJ-250 Spice Pre Crusher for Chili Turmeric**

#### **General**

This machine is suitable for pharmaceutical, chemical, food and other industries, It is the before procedure of fine grinding equipment, It is not influenced by the material viscosity, hardness, softness, and fiber and other restrictions, any material can play better crushing effect.



### **Features of the machine**

This machine is a horizontal grinding structure, material from the hopper into the crushing chamber , the use of the impact of the rotating knife and fixed knife , cut and crushed , and the role of the centrifugal force , the material automatically flow to the exit . The equipment according to "GMP" standard design, the whole machine is made of stainless steel, simple structure, easy to clean, low noise, is the most ideal machine of coarse-crush.

### **Technical Parameters**

<b>Model</b>	BCSJ-250
<b>Handling Capacity</b>	Around 300kg/h Inlet
<b>material size</b>	less than100mm Outlet
<b>material size</b>	0.5-20mm Power: 5.5KW
<b>Dimension</b>	1200*850*1300mm Weight:300kg







Looking forward to the future, our company will take "build the international first-class enterprise, and create world famous brand " as its objective, forge ahead and continuously innovate, and provide perfect solution for global food processing

## **PROVEG ENGINEERING AND FOOD PACKAGING PVT. LTD.**

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