

# How To Make Nutritional Rice Automatically?

## What Is Nutritional Rice?

Nutritional rice, also known as fortified rice, is a type of rice that has been enriched with essential micronutrients, such as vitamins and minerals, to improve its nutritional value. This is done by adding a powder coating of nutrients to the rice kernels during the polishing process. Nutritional rice is particularly beneficial for individuals who have limited access to nutrient-rich foods, or for those who may have nutritional deficiencies. It is often used in public health programs to address malnutrition in developing countries.



## Introduction Of Nutritional Rice Making Machine:

A nutritional rice making machine is a specialized device used to produce nutritional and fortified rice. It is designed to coat rice grains evenly with a powder containing essential nutrients, such as iron, zinc, and vitamins. The machine can produce different types of nutritional rice, including white, parboiled, and brown rice. The nutritional rice making machine uses a controlled process that ensures the correct amount and type of nutrients are added to the rice. By doing so, it ensures uniform nutrient distribution throughout the rice, resulting in a more nutritious and healthier food product. Nutritional rice making machines are widely used in food processing industries, public health programs, and humanitarian aid organizations worldwide.

### **Flow Chart Of Commercial Nutritional Rice Processing Line:**

Milling?Mixing?Extrusion?Cooling?Drying?Pre-drying?Packing

### **The Equipment Using In The Nutritional Rice Making Machine:**

Grinder ? Powder Mixer ? Screw Conveyor ? Extruder ? Vibration Cooling Machine ? Air Feed Machine ? Oven ? Cooling Conveyor ? Packing Machine

### **The Nutritional Rice Production Line Details ?**

Capacity	80kg-900kg
Power Supply	Based on 380V 50 Hz 3 phase. Customized according to your local power.
Machine Details	1.Stainless steel,:201, 304, 316, on request 2. Electric parts can be ABB, Delta, Fuji, Siemens; Famous brand as your demand.
Certificate	CE,GOST,TUV,BV
Raw Material	Wheat flour, corn, rice, oat, etc.
Products Color	White, Yellow
Products Type	white rice?brown rice,black rice,red rice,wild rice?etc.



**Feature Of Nutritional Rice Machines:**

1. Automated system - Most nutritional rice machines have an automated system that controls the processing parameters such as the temperature, moisture, and mixing rate.
2. Flexible configuration - Nutritional rice machines come in various sizes and configurations to cater to different production requirements.
3. Easy to clean and maintain - A nutritional rice machine must be easy to clean and maintain to ensure hygienic operation.
4. Energy-efficient - An energy-efficient nutritional rice machine saves energy and reduces operating costs.

**Parameter Of Nutritional Rice Machine:**

Model	Installed Power	Power Consumption	Capacity	Dimension
	(KW)	(kw)	(kg/h)	(m)
LY3000	55.35kw	41.51kw	80-100kg/h	24*4*3
LY70L-?	63.54kw	47.66kw	150kg/h	24*4*3
LY70L--??	103kw	77.25kw	300kg/h	24*4*6
LY70L--???	172.64kw	129.48kw	450kg/h	2.7*0.9*3
LY70L--?	215.16kw	161.37kw	500kg/h	20*12*3

LY70L--?	268kw	201kw	600kg/h	20*12*3
LY80L-?	101.6kw	76.2kw	300kg/h	35*4*3
LY80L--??	98kw	73.5kw	600kg/h	35*7*3
LYD80L--???	356kw	267kw	900kg/h	35*12*3
LY75	132kw	99kw	500kg/h	50*4*6
LY95	205kw	153.75kw	700kg/h	59*8*6

**Applications Of Nutritional Rice Production Line:**

1	Human consumption	Nutritional rice is an ideal staple food for communities suffering from a lack of essential nutrients. It provides a complete and balanced diet
2	Emergency food aid	Nutritional rice production line is useful for emergency food aid programs worldwide. Due to its long shelf life, this rice can be stored for long periods without the fear of spoilage or loss of nutrients.
3	Commercial use	Nutritional rice production line is an excellent investment for commercial ventures. The fortified rice has a high market demand due to its added nutritional value, which provides a competitive edge over traditional rice varieties.
4	School nutrition program	The nutritional rice production line is useful for running school nutrition programs. By incorporating fortified rice into the school menu, children can consume a balanced diet during their schooling years.
5	Military food supply	The fortified rice produced by the nutritional rice production line is ideal for military food supply. Since the rice is non-perishable and nutrient-dense, it can provide the necessary nutrition for soldiers in rugged conditions.

