

# How To Set Fortified Rice Factory?

## Introducción detallada :

### Introduction Of Fortified Rice Making Machine:

Fortified rice making machine is a specialized piece of equipment used to add essential nutrients to rice grains. This machine is designed to fortify rice grains with minerals and vitamins such as iron, zinc, and vitamin A, which are essential for healthy human growth and development. The process of fortification involves coating rice grains with a nutrient-rich powder or coating, which is evenly distributed across the grains. Fortified rice making machines are important in regions where rice is a staple food and where nutrient deficiencies are common. By fortifying rice grains, individuals who consume this staple food can receive the necessary nutrients for healthy growth and development, reducing the prevalence of nutrient deficiencies such as iron-deficiency anemia. The machine works by mixing the nutrient-rich coating or powder with the rice grains and then drying the mixture to form a stable and long-lasting product. The machine's design ensures that the nutrients are evenly distributed across the rice grains, ensuring that each serving of fortified rice contains the necessary nutrients.



## The Fortified 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<br>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.                                                                        |

## Flow Chart Of Commercial Fortified Rice Processing Line:

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

## The Equipment Using In The Fortified Rice Making Machine:

Grinder ? Powder Mixer ? Screw Con

veyor ? Extruder ? Vibration Cooling Machine ? Air Feed Machine ? Oven ? Cooling Conveyor ? Packing



### Feature Of Fortified Rice Machines:

- Mixing System:** Fortified rice machines have a mixing system that evenly distributes the micronutrients into the rice grains.
  - Accurate Dosing:** Fortified rice machines use a precise dosing system to ensure that the correct amount of vitamins and minerals are added to the rice.
  - High-Quality Components:** Fortified rice machines are made of high-quality materials to ensure durability and longevity.
  - Automated Process:** Fortified rice machines are automated, which means they require minimal human intervention.
  - Capacity:** Fortified rice machines come in different sizes and capacities, ranging from small-scale machines for local use to large-scale machines for industrial production.
  - Safety:** Fortified rice machines are designed with safety features to prevent accidents and injuries.
- Overall, fortified rice machines are critical in addressing micronutrient deficiencies in populations that rely on rice as their staple food. They are designed to ensure that the fortified rice is of high quality, safe for consumption, and provides the necessary vitamins and minerals to support good health.

### Parameter Of Fortified Rice Machine:

| Model       | Installed Power (KW) | Power Consumption (kw) | Capacity (kg/h) | Dimension (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 Fortified Rice Production Line:

- 1. Food Aid:** Fortified rice production lines are used to produce fortified rice for distribution as part of food aid programs.
- 2. Commercial Production:** Fortified rice production lines can be used to produce fortified rice for commercial sale.
- 3. Public Health Programs:** Fortified rice production lines are used in public health programs to improve the nutritional status of vulnerable populations.
- 4. School Feeding Programs:** Fortified rice production lines are used to produce fortified rice for school feeding programs.
- 5. Humanitarian Response:** Fortified rice production lines can be deployed in emergency and humanitarian situations to produce fortified rice for distribution to affected populations.

