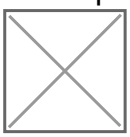
Fortified Rice Production Line

Detail Introduction :

Fortified rice production line is a set of machines and equipment for producing nutritious rice rich in vitamin minerals. This rice is designed to address malnutrition in populations where access to a varied and nutritio difficult. The process begins by cleaning the rice grains to remove any debris or impurities. The next stage polishing, which removes the outer layer of the rice grains. The rice is then mixed with a nutritional premix containing various vitamins and minerals. To ensure that each grain of rice contains the necessary nutrien blended and then sorted. Optical sorters are used to remove any damaged or discolored grain. Finally, the rice is packaged into bags ready for distribution to organizations and communities. Overall, fortification of r production lines is critical to address nutritional challenges and improve the health of vulnerable population developing countries.



Fortified Rice Process Line Flow Chart

1.Raw Material --- 2. Crushing-Ingredients --- 3. Mixing --- 4. Extrusion --- 5. Pre-Drying --- 6. Drying --- 7. --- 8. Packaging

Fortified Rice Process Line Parameter

Model	Capacity (kg/h)	Insta11ed Capacity (kw?	Actual Consumption ?kw?	Speed Control Mode	Dimension? m?
LY3000	80-100kg/h	55. 35kw	41.51kw	Inverter	24*4*3m
LY70L-I	150kg/h	63. 54kw	47. 66 Kw	Inverter	24*4*3m
LY70L—?	300kg/h	103kw	77. 25 Kw	Inverter	24*6*3m
LY70L—?	450kg/h	172. 64kw	129.48 Kw	Inverter	2. 7*0. 9*3m
LY70L—?	500kg/h	215. 16kw	161.37 Kw	Inverter	20*12*3m
LY70L—V	600kg/h	268kw	201 kw	Inverter	20*12*3m
LY80-I	300kg/h	101.6kw	76. 2 kw	Inverter	35*4*3m
LY80-?	600kg/h	98kw	73. 5 kw	Inverter	35*7*3m
LY80-?	900kg/h	356kw	267 kw	Inverter	35*12*3m
LY75	500kg/h	132kw	99 kw	Inverter	50*4*6m
LY95	700kg/h	205kw	153. 75 kw	Inverter	59*8*6m

The Function Of Fortified Rice Production Line

The main function of the fortified rice production line is to add essential nutrients to the rice and improve its nutritional value. Fortified rice is rice that has been fortified with vitamins and minerals such as iron, zinc, B and folic acid. The process involves mixing rice with a nutritional premix that contains these essential vitam minerals. This mixture is then processed through several stages, including cleaning, polishing, measuring, and packaging. The line also ensures the quality and safety of the fortified rice produced by adhering to str hygiene and safety guidelines. The end product is a nutrient-dense rice that provides essential vitamins an minerals to those who eat it, especially in regions where nutrient deficient diets are common.

The Advantages Of The Fortified Rice

Provides Essential Nutrients	Fortified rice provides essential vitamins and minerals that are essential for human health. This is especially important in areas where malnutrition and nutritional deficiencies are common.
Ease Of Production	Fortified rice can be easily produced using a production line that adds nutritional premixes to rice. The process is standardized to ensure the right amount of nutrients are present in the rice.
Cost-Effective	Fortified rice is a cost-effective way to provide essential nutrients to a large population. The low production cost per kilogram makes it an affordable solution for governments, aid organizations and food manufacturers.
Improves Health	Fortified rice can improve the health of those who eat it regularly. It prevents nutrient deficiencies, improves cognitive function, and reduces the risk of diseases such as anemia.
Sustainable Solution	Fortified rice is a sustainable solution to combat malnutrition in the long run. By fortifying staple foods, we can ensure people get the nutrients they need to live healthy lives.

Overall, the superiority of fortified rice suggests that it is an important intervention in the fight against malnu especially in developing countries. Fortified rice can improve the health and well-being of individuals and communities, making societies more productive and prosperous.