



Rust removal method for livestock and poultry manure equipment

A full set of organic fertilizer production line equipment includes: fermentation turning machine, crusher, feeder, horizontal mixer, [organic fertilizer granulator machine](#), dryer, cooling machine, screening machine, weighing and packaging machine. The moisture content of poultry and livestock manure is high, and iron undergoes oxidation-reduction reactions in an oxygen environment, which leads to rusting of organic fertilizer equipment, such as [compost turning machine](#), mixer equipment, etc., and most of the equipment in the industrial industry is made of steel materials, so it is also prone to rust. The following are several rust removal methods.

1. Manual deletion. Manual rust removal generally uses tools such as hammers, spatulas, scrapers, wire brushes, etc, but its labor intensity is high and the rust removal efficiency is low. Difficult to remove scale and other dirt. The rust removal effect is not good, and the required cleanliness cannot be achieved.



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2. Mechanical removal. There are many tools and processes for mechanical derusting, mainly including:

- (1) Small pneumatic or electric rust removal: mainly powered by electricity or compressed air, and equipped with appropriate rust removal devices. Then it can reciprocate or rotate to meet the rust removal requirements of various occasions.
- (2) Shot blasting removal: mainly by particle jet erosion to achieve surface cleanliness and suitable roughness.
- (3) High-pressure water abrasive removal: The impact of high-pressure water jets and water slides is used to destroy the rust on the steel plate and the adhesion of the coating.
- (4) Chemical derusting: It mainly uses the chemical reaction between the acid of livestock and poultry manure equipment and metal oxides to remove the rust products on the metal surface, which is commonly referred to as pickling and derusting. It can be operated in the workshop.

Our company's organic [fertilizer machine manufacturers](#) specializes in the production of organic fertilizer equipment, organic fertilizer dryers, organic fertilizer granulators, organic fertilizer turning machines, organic fertilizer pulverizers and other organic fertilizer production equipment. We have a professional technical team and after-sales team to provide customers with sufficient pre-sales and after-sales protection.