



Multipurpose Grinder (SMT-MG-MP16)

The ESOLS Engineering multipurpose grinder, model SMT-MG-MP16, is designed for efficient and reliable grinding across a variety of applications. Built with stainless steel SS 304H components in all product contact areas, the machine ensures hygiene, durability, and corrosion resistance. Its frame is constructed using 2" x 2" stainless steel pipes, providing a sturdy base with compact dimensions suitable for industrial setups. The grinding head is made from 10 mm thick stainless steel, while the grinding chamber measures 12 inches in diameter and 3 inches in depth, supporting high-performance operation.

Equipped with sheering blades and a continuous feeding mechanism, the grinder offers a production capacity of 50 to 60 kg per hour, depending on the product. It comes with two interchangeable mesh screens to accommodate different grinding requirements. Powered by a 10 HP, three-phase motor operating at 50 Hz, the grinder delivers consistent and robust performance. Designed for ease of use, the unit supports simple loading and unloading, making it a practical choice for processing facilities that demand both versatility and efficiency.

TECHNICAL SPECIFICATIONS

Specifications:

Product Contact Parts:

All parts in contact with the product are made of stainless steel **SS 304H** 16 Standard wired gauge (SWG) or min 1.626 mm

and fabricated using **1.5" x 1.5" MS pipes** for enhanced durability.

- **Dimensions of main frame**
- **Width: 1219.2 mm or 121.92 cm**
- **Depth: 457.2 mm or 45.72 cm**
- **Height: 762 mm or 76.2 cm**
- **Grinding Head:** Constructed from **10 mm Stainless steel (SS) 304H**, for robust performance

Grinding Chamber: 12-inch diameter (0.3048 meters), 3-inch depth (0.0762 meters) .



Technical Data:

Performance and Features

- **Blades:** Equipped with sheering blades for fast and efficient grinding.
- **Feeding Mechanism:** Continuous feeding type for seamless operation.
- **Production Capacity:** 50–60 kg/hour (product-dependent).

Motor Specifications

- **Power:** 5 HP motor
- **Frequency:** 50 Hz
- **Phase:** Three-phase motor for industrial-grade reliability.