

16-Inch Two-Roll Mixing Mill

This 16-inch mixing mill features rollers made of vanadium-titanium alloy and chilled cast iron, providing exceptional abrasion resistance with a surface hardness of HRC55-65. An automatic oil feeding and lubrication system ensures consistent oil supply for the transmission.



ADDITIONAL IMAGES



Overview

Precision Mixing for Rubber and Plastics

The 16-Inch Two-Roll Mixing Mill is a robust industrial machine engineered for compounding and mixing rubber, plastics, and viscous materials. It features two horizontally opposed rollers constructed from alloy chilled cast iron, ensuring durability and consistent shearing action. With adjustable roller gaps and an integrated cooling system, this mill provides precise control over material thickness and operating temperatures. It is an ideal solution for laboratory research, pilot production, and small-scale manufacturing environments.

Technical Specifications

Model Comparison

Model	Roll Diameter (mm)	Motor Power (kw)	Feeding Capacity (kg)
XK-300	300	15/18.5	10-15
XK-360	360	30	15-25
XK-400	400	40	20-35
XK-450	450	55	30-50
XK-500	500	75	55-60
XK-550	550	90/110	50-70
XK-560	560	160	50-70
XK-660	660	132/160	150

Key Operating Metrics (16-inch Model)

400 mm
Roll Diameter

1000 mm
Working Length

19 r/min
Front Roll Speed

40 kw
Motor Power

Key Features

Core Advantages

- Alloy chilled cast iron rolls with surface hardness of 510-550 BHN
- Mirror finished and polished rolls for superior material quality
- Hollowed rolls designed for efficient cooling or heating
- Swedish imported bearings for high load capacity and precision
- Worm and worm gear drive for parallel roll gap adjustment
- Universal rotary joints for effective internal cooling

Safety & Compliance

Emergency Stop Mechanism, Protective Guards, Dust Sealed Housing, Anti-Friction Roller Bearings

Construction & Design

Engineered for Durability

The machine features a heavy-duty steel casting housing for the journal bearings, ensuring stability under high-stress processing conditions. Lubrication is managed via a manual or motorized grease pump, which is integrated into a dust-sealed housing to prevent contamination and extend component life. The open-frame design allows for easy observation and manual intervention, while the precise control mechanisms enable operators to achieve specific material properties consistently.