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# PRODUCT CATALOG



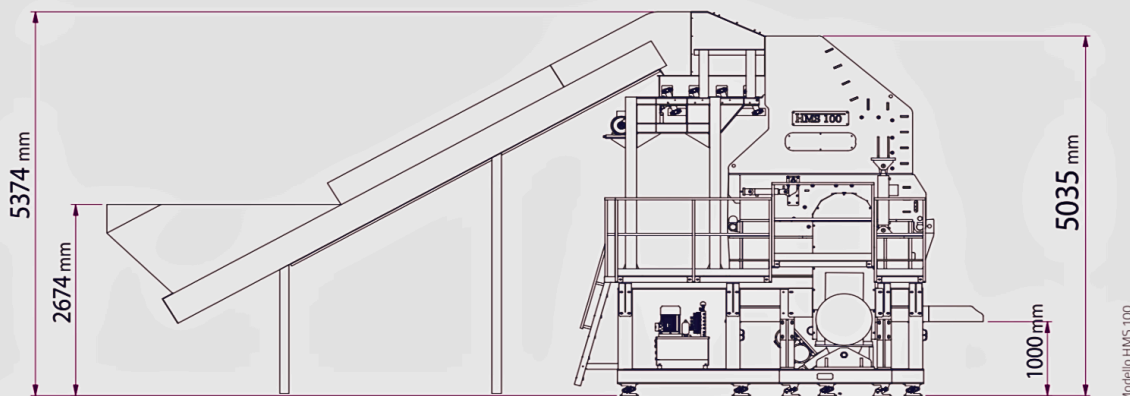
2025

HAMMER MILLS



## Stationary Hammer Mills - ITR HMS and HMS Hi

The ITR HMS and HMS HI stationary hammer mills are heavy-duty grinding systems engineered for processing ferrous and non-ferrous metals, including electric motors, aluminum scrap, and light steel components. These mills excel at material roughing, preparing metals for subsequent refining and separation phases. Key features include reinforced structures, hydraulic-operated main components, and quick grid replacement systems, ensuring increased production capacity and reduced maintenance downtime. An advanced "Out of Line" emergency hatch system automatically diverts unprocessable materials to maintain operational continuity and product purity. Models range from the HMS 060 with a 600 mm cutting chamber and up to 4 tons/hour output to the HMS 140 HI, equipped with a 1400 mm chamber and a motor capacity of up to 450 kW, delivering up to 18 tons/hour. PLC-controlled systems allow for seamless integration into smart factory 4.0 environments, offering customized configurations for varied industrial recycling requirements.



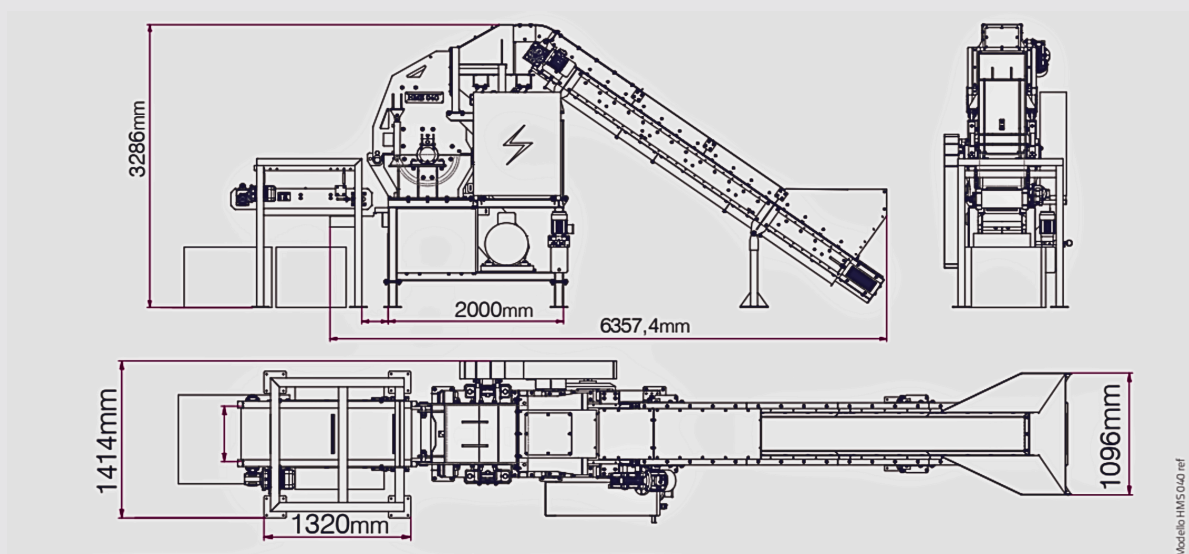
Model	Hammers	Cutting chamber mm	Power Kw	Hourly production Ton/h*
HMS 060	20	600	90-110	up to 3-4
HMS 080	20	800	132-160	up to 5-6
HMS 100	24	1000	250-315	up to 8-10
HMS 120 HI**	24	1200	315-355	up to 10-12
HMS 140 HI**	32	1400	400-450	up to 12-18

\* Hourly production can change depending on the type of processed material and the type of installed grid.  
\*\*High-Impact version – suitable for "heavy" applications.



## Stationary Refining Hammer Mills - ITR HMS Ref

The ITR HMS Ref stationary refining hammer mills are specialized machines designed to maximize yield in refining small ferrous and non-ferrous metals, such as electric motors, transformers, and electronic components from WEEE. These mills feature a solid, durable design built for continuous heavy-duty operation while ensuring efficient material breakdown and minimal operational costs. Standard features include a loading conveyor with hopper, dosing system, vibrating material extraction table, and a PLC-controlled electrical panel for precise control and monitoring. The HMS Ref mills can also function as upstream refiners in metal granulation systems, enhancing production efficiency. With advanced technologies, robust construction, and a wide range of configuration options, they are ideal for high-performance refining applications in modern recycling plants

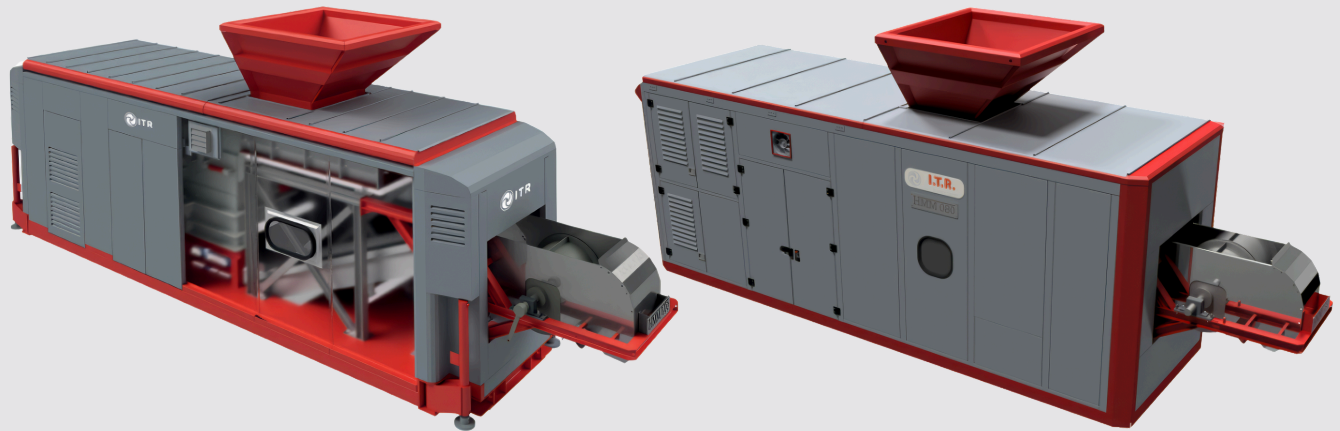


Model	Hammers	Cutting chamber mm	Power Kw	PHourly production Ton/h*
HMS 040 ref	20	400	55-75	Up to 1
HMS 060 ref	24	600	75	Up to 2

\*Hourly production can change depending on the type of processed material and the type of installed grid.



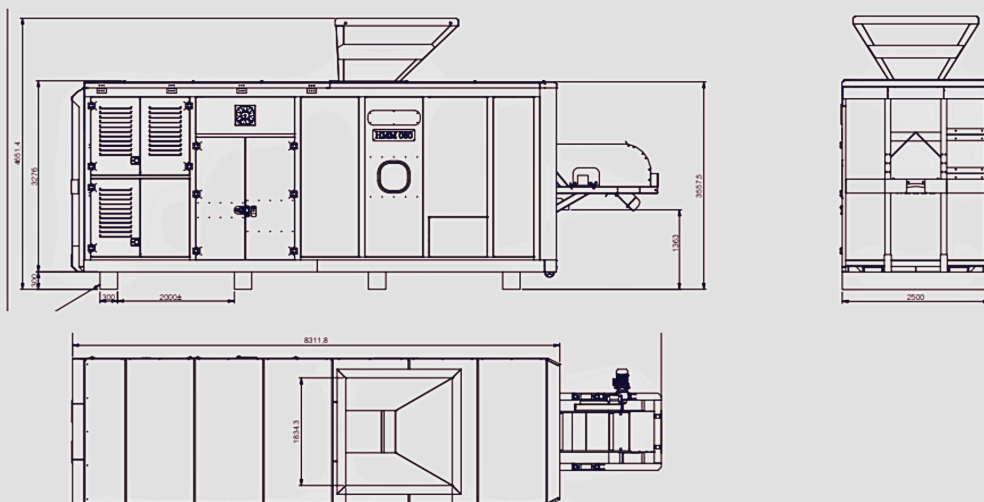
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## Mobile Hammer Mills - ITR HMM

The ITR HMM series of mobile hammer mills offers compact, fully integrated grinding systems for processing various metallic and waste materials. The HMM 060, the smallest model, features a detachable platform and hydraulic operation, ensuring easy maintenance and reduced downtime. The HMM 080, powered by a 160 kW motor, bridges roughing and refining processes, offering efficient material extraction with a magnetic drum separator. The HMM 100, the most versatile model, features a powerful motor range (250-315 kW) for high-capacity material roughing.

The HMM 130, the largest model, is a complete milling plant mounted on a hydraulically liftable platform with pistons. It includes a soundproof cabin, extraction conveyor belt, and magnetic drum separator with a supporting structure. Powered by a 315-355 kW motor and a larger grinding chamber, it processes high volumes of non-ferrous metals and MSW containers while ensuring high-quality output. All models share hydraulic component movement, rotor lifting, and quick maintenance access, providing increased production capacity and reduced operational costs. Their mobility, advanced technologies, and flexible configurations support seamless integration into complex recycling systems.



Modello HMM 080

Model	Hammers	Cutting chamber mm	Power Kw	Hourly production Ton/h*
HMM 060	20	600	90-110	Up to 3-4
HMM 080	20	800	132-160	Up to 5-6
HMM 100	24	1.000	250-315	Up to 8-10
HMM 130	32	1.300	315	Up to 12



# HARD RECYCLE

**Equipment and Solutions for the Circular Economy**

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