

- engineering your visions -



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Who we are

KMF is a leading company for mechanical engineering, plant construction, process engineering and contract manufacture.

As a specialist for individual solutions KMF has successfully designed and manufactured mills and grinders for various industrial minerals over several decades. Additionally a new business area in the field of aluminium recycling was successfully established. Unique tilting rotary furnaces turn contaminated scrap into precious aluminium and contribute to our customer's success.

KMF is ISO 9001 certificated and delivers worldwide to your location with an export rate of 90%.

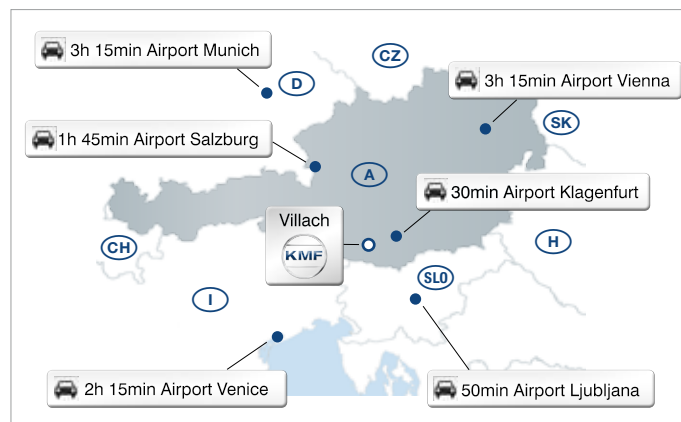
Our core competences comprise the complete value-chain from R&D, engineering, materials- and process-know-how, to final application and assembling knowledge.

KMF was established in 1874 and is a 5th generation family run company. Among the well equipped machine park the infrastructure includes lifting capacity of over 60 tons/piece, 27.000 m² area with 12.000 m² indoor production facilities and more than 100.000 hours annual manufacturing capacity.

Where we are



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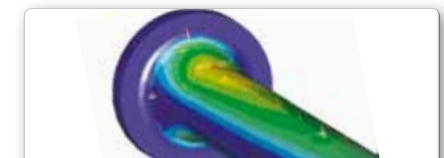
Aluminium Recycling Furnaces



Mills & Grinders



Special Machinery



Engineering & Construction



ALUMINIUM RECYCLING FURNACES

MILLS & GRINDERS AND SPECIAL MACHINERY

ENGINEERING & CONSTRUCTION

Hybrid Tilting Rotary Furnace MASTERmax

- Capacities from 5 to 25 tons
- Rigid furnace body with huge freeboard supported by the two forged rings, driven by friction wheels
- Hydraulic tilting angle from -8° to +25°
- Swivelling charging door with incorporated air- or oxygen burner
- Measuring and controlling of furnace atmosphere
- Precision weighing system
- High speed charging system BATCHmax with rotating shovel
- MELTmax melt processor



Mills & Grinders

- Expertise from 0,7 MW to 5 MW stirr ball mills
- More than 220 installed mills worldwide
- More than 400 MW installed milling power
- Milling expertise up to $(d_{90}) < 1 \mu\text{m}$
- More than 170 installed high performance classifiers
- High resistant surface technology
- Improved cost-effectiveness due to low grinding energy consumption



Special Machinery

- Expert for special machinery equipment
- FLEECEmax machines for sheet metal fleece application
- Highly efficient fleece applicators and cutters for the application of anti-condensate fleece from underneath and above with or without offset cutting devices
- Complete integration into the roll former control system
- Anticondensation gap cutting (offsets) for „start-stop“ profiling lines and „continuous“ lines up to 100 m/min



Layout, Planning & Construction

- Engineering services from scratch to turn key installation
- Static calculations and FEM simulations
- Complete layout service
- Process engineering and consulting
- Databased software aided process control for highest efficiency
- Simulations
- Customized automation solutions

