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## **Maerz Ofenbau AG, Zurich Switzerland – Company Profile**

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### **History**

Maerz Ofenbau AG, domiciled in the city of Zurich, Switzerland, was founded in 1950 by Austrian magnesite producers for the purpose of designing and marketing open hearth furnace technology for the steel industry on a world-wide scale. In the course of the first fifteen years of its activities Maerz Ofenbau Zurich has built, modified and modernised a large number of open hearth furnaces and was the leading designer of such installations in Europe.

### **Maerz Lime Kilns**

In 1965 Maerz Ofenbau Zurich started to design and construct **Parallel Flow Regenerative** Lime Shaft Kilns. This process produces highly reactive lime of the best quality with the highest fuel efficiency of all modern lime kilns. Heat consumption is in the range of **3'500 kJ per kg** (850 kcal per kg or 3.2 Mio. BTU per ton) of lime. From the first lime kilns of 150 tpd capacity the development soon went to larger units and gas firing was added to oil firing. Further developments concerned the use of vertical lances for all firing systems and a patented system to meter pulverised coal. At the moment, Maerz Ofenbau Zurich offers designs for Parallel Flow Regenerative Lime Kilns with capacities between 100 tpd and 800 tpd and with firing systems **for all liquid, gaseous and pulverised solid fuels**. Limestone and dolomite can be calcined in the Maerz Kiln in grain sizes ranging between approx. **15 – 160 mm** (3/8 – 6 inches).

In the case of replacing outdated lime kiln equipment or installing new calcining capacity the Maerz Lime Kiln is a valuable alternative due to its versatility in fuel usage, flexibility in output and grain size utilisation as well as low NO<sub>x</sub> emission levels.

Maerz Ofenbau Zurich has since long become the world market leader for vertical lime kilns and the "Maerz Kin" is known in the lime industry as a first quality product.

Maerz Ofenbau Zurich has designed and constructed over 320 lime kilns in more than 50 countries world-wide. Maerz engineering services are employed by customers in many different countries where the actual construction work is executed by local contractors, either for Maerz in turnkey projects, or for the end-user in projects, where Maerz Ofenbau provides know-how, design and performance guarantees for lime kilns.

Maerz Ofenbau Zurich has a staff of highly qualified design engineers, process technologists and service engineers. Maerz construction supervisors are active on large lime plant construction sites and Maerz commissioning engineers conduct commissioning and performance testing. Training of operating and maintenance personnel is also ensured by Maerz. After-sales services include consulting for operating and maintenance problems, the elaboration of modernisation proposals and technical audits of kilns in operation.



### **Company Data**

Name	Maerz Ofenbau AG
Address	Richard Wagner-Strasse 28, 8027 Zurich, Switzerland
Share capital	CHF 1'000'000.- (one million Swiss Francs)
Incorporated	24 <sup>th</sup> October 1950
Yearly turnover	approx. USD 20'000'000.-
Number of Employees	approx. 40
Group membership	Maerz Ofenbau AG is a member of the German based DBAG

### **Contact**

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