TMC Transformers SpA
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world of transformers

INDUSTRY

TMC Transformers SpA is a leading transformers manufacturer. Its Engineering and Manufacturing Team has more than 30 year experience accrued in leading Companies in Switzerland and Italy.
Industry transformers are special, we always design them for the Customer needs, using technical specifications and applicable standards.

INDUSTRY APPLICATION

Every industrial specialty needs **transformers and inductors to handle correctly electric power.** Everywhere you need to feed, control and operate industrial electric power machinery, **TMC has a solution to propose.** For example, in the heavy industry segment, we manufacture components that are used to obtain the powerful and high energy conversion that is required in the steel industry, paper manufacturing and silicon production.

The transformers and reactors used for these applications have particularly robust construction characteristics from an electrical and mechanical point of view and with regard to corrosion resistance, because of their frequent use in environments with high humidity, pollution, dust and corrosive agents.

Transformers to work with converters (Variable Frequency Drives) are often customized and tailored for the application. Energy savings and sustainability are the recent developing factors making our multi-pulse and converter transformers a must have in the modern industry.

Industrial transformation and manufacturing require more and more high or very high currents, **TMC has the solution to handle up to 50 kA using fluid cooling technologies.**

GAS PUMPING STATION

Industrial converter transformers can be supplied from several kVA to many MVA.
Gas Processing systems require large electrical pumps and compressors which are controlled by Transformer/ VSD systems.

GAS PUMPING STATION
> Power 9MVA
> Primary Voltage 33kV 50Hz
> Secondary Voltage 6x2kV
> Protection IP44
> Cooling AFAF
> Weight 23.500kg

INDUSTRIAL CRANE

When installation space is at a premium and 'power density' critical, the use of higher thermal class insulation system can be useful.
The insulation system is also completely flame retardant and safe for installation in public areas.

INDUSTRIAL CRANE
> Power 950kVA
> Primary Voltage 13,8kV 60Hz
> Secondary Voltage 0,415kV
> Protection IP23
> Cooling AN
> Weight 2.900kg

LASER MACHINE TRANSFORMER

LV transformers are almost always present in manufacturing plant to adapt local LV voltages to specific machinery requirement or to feed low voltage converters to pilot a motor.
Common technology for LV transformers is VPI (Vacuum Pressurized Impregnation).

LASER MACHINE TRANSFORMER
> Power 100kVA
> Primary Voltage 0,4kV 60Hz
> Secondary Voltage 0,525kV
> Protection IP23
> Cooling AN
> Weight 450kg