

TRANSFORMERS



BREAKING NEW GROUNDS IN TRANSFORMER RELIABILITY

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MILESTONES

1990

The Company started its journey in the Metal Working Sector and by year 2008 it contributed over 6000MW in aggregate of Electro Heating Equipments in Steel, Foundry, Forging Sectors globally.

2007

The Company started Transformer manufacturing at its Taratala Works and within a span of one year it contributed over 200 MVA in aggregate Transformer capacity. They are tested in the rugged terrain of diverse metallurgical applications which include Arc & Induction Melting Furnaces driven by Multimegawatt Power Electronic Converters.

2009

Successfully cleared Impulse Test at C.P.R.I, Bangalore of a 9 MVA, 33 kV, 12 Pulse Converter Duty Transformer.

The Company is professionally managed, having a State of the Art manufacturing set up spread over of an area of 150,000 Sq. ft. at Kolkata backed by strong design, quality control & testing team all having rich and diverse multinational backgrounds resulting in impeccable quality & unmatched reliability.

GLOBAL PRESENCE



 Argentina	 Azerbaijan	 Bolivia	 Botswana	 Bhutan	 Bangladesh
 Brazil	 Cuba	 Egypt	 France	 Ghana	 Georgia
 India	 Iran	 Kuwait	 Kenya	 Malaysia	 Mexico
 Nepal	 Nigeria	 Pakistan	 Poland	 Saudi Arabia	 South Africa
 Sudan	 Tanzania	 Tunisia	 U.A.E.	 Uganda	 Yemen

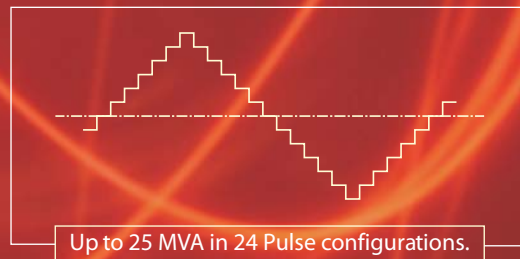
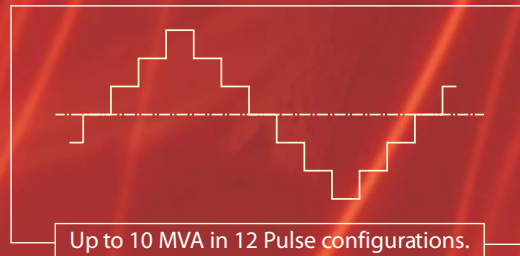
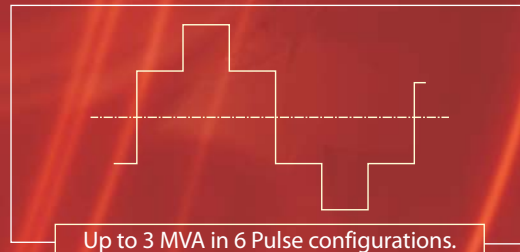
TRANSFORMER EXPORT HISTORY

Megatherm Transformer are regularly exported to countries like Bangladesh, Pakistan, Egypt, Brazil, Nigeria, Yemen, Iran etc. and horizon keeps on expanding.

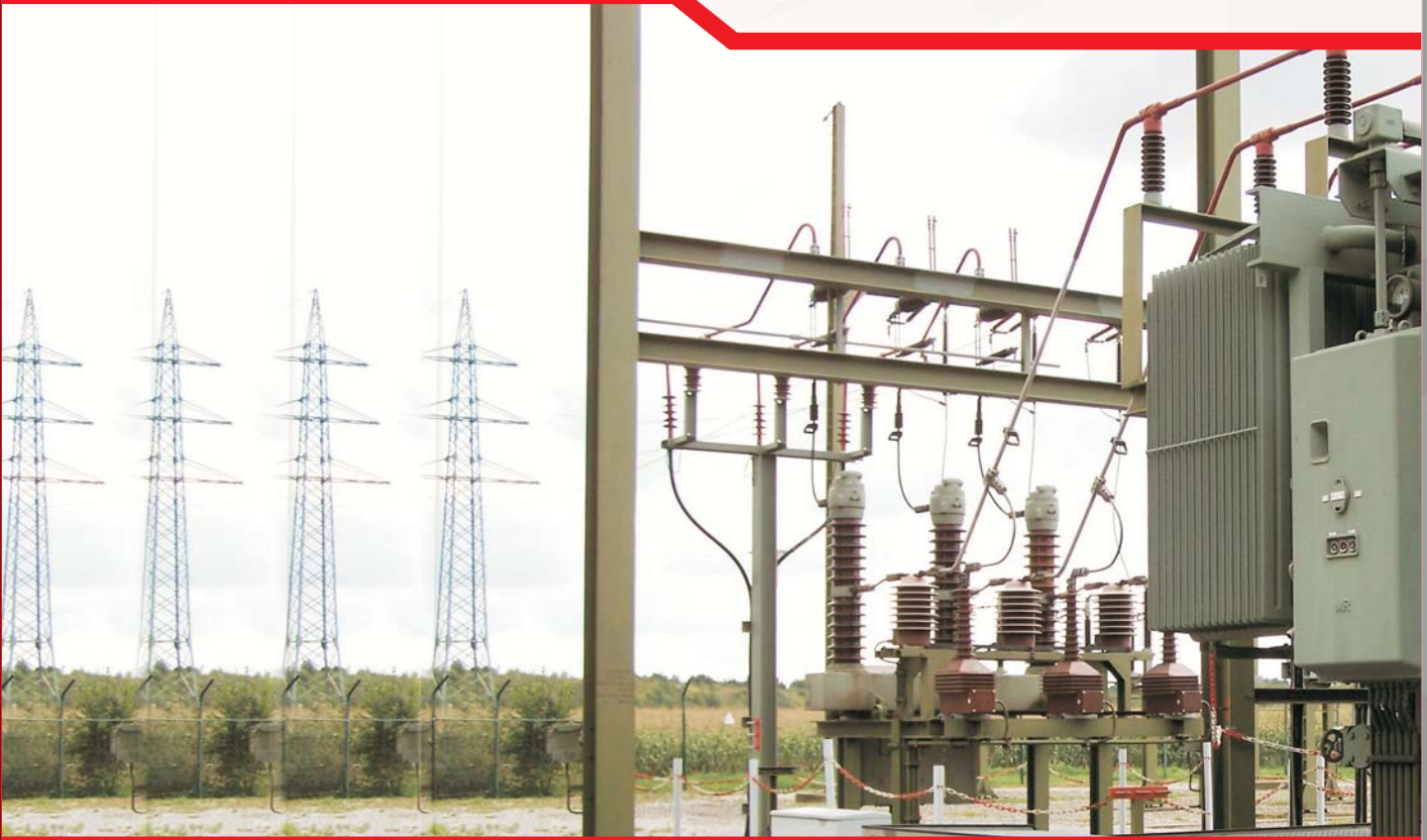
PRODUCT PROFILE



- **Converter Transformers** for Induction Melting Furnaces, Induction Heating Equipments, AC - DC drives, Industrial Rectifiers etc. up to 25 MVA @ 6.6 / 11 / 22 / 33 KV class.



PRODUCT PROFILE



- **Arc Furnace Transformers** upto – 20 MVA @ 11 / 22 / 33 KV Class.
- **Locomotive Transformers** Single & Three Phase up to – 7.5 MVA @ 25 KV Class.
- **Distribution Transformers** up to – 5 MVA @ 6.6 / 11 / 22 / 33 KV Class.
- **Power Transformers** up to – 40 MVA @ 33 / 66 / 132 KV Class.



PRODUCT FEATURES



□ CORE BUILDING

Low level of noise & no load losses are achieved through selection of only prime grade CRGO Silicon Steel laminations and assembled over special core building fixtures.

Excellent rigidity for withstanding mechanical stress during transportation or Short Circuits are ensured by banding of core limbs with resin bonded glass bands and clamping yokes with heavy duty steel plates with either studs or bands.

□ WINDING

Prime Electrolytic Grade Copper Conductors ensures guaranteed & consistent load losses over the entire service life.

High quality pre-compressed & thermally upgraded insulations ensures long service stability irrespective of frequent over loadings beyond the name plate ratings.

□ CORE COIL ASSEMBLY

High degree of mechanical stability is ensured by deploying extra flexible copper leads for both end & tapping connections, besides ensuring precise alignment through rigidly supporting the windings between common pressure rings made out of densified woods.



PRODUCT FEATURES



□ TANKING & FINISHING

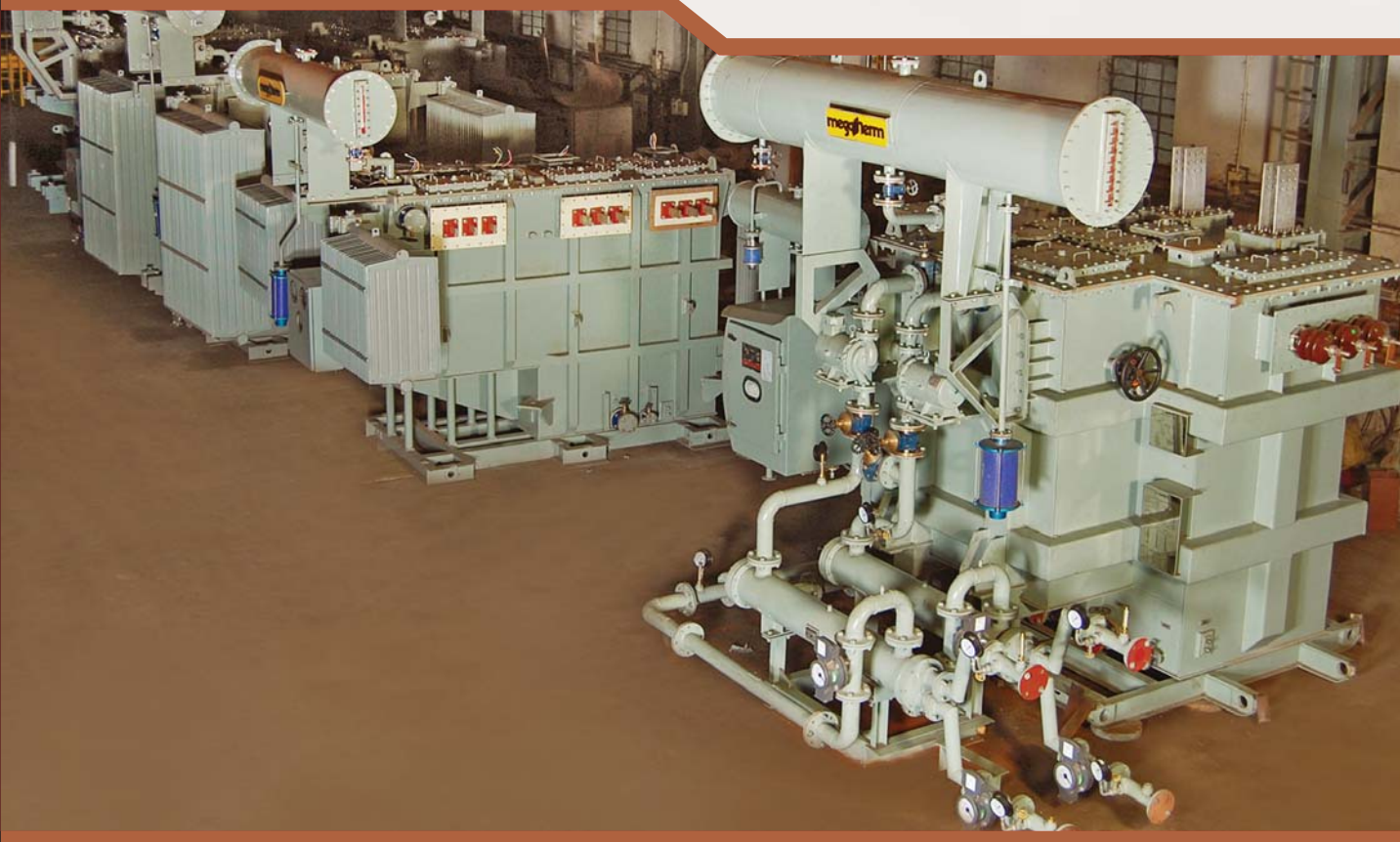
Excellent surface finish & paint quality is achieved through 110 micron of paint build up after due shot / sand blasting of the tank fabrication & application of rich primer.

All tanks are topped up with EHV grade oils of repute and ensured free from particles above 5 microns or moisture above 5 ppm & extremely low gas content by deploying vacuum oil filtration plant of flower westrup.

□ TESTING & QUALITY ASSURANCE

All stage inspections are carried out to stringent specifications to ensure highest quality standard for utmost reliability of the transformer.

The test bay is completely equipped with routine test & temp. rise test as per IS - 2026 / 1977, CBIP spec & BS 171/1570 for Transformer of all type up to 25 MVA, 132 KV rating & Furnace Transformer as per IS 12977 / 11990.





Corporate Office:

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