

The two materials every transformer shop buys

A transformer is built around two critical material streams: **CRGO (cold-rolled grain-oriented) electrical steel** for the core, where every watt of core loss is paid for over the transformer's whole service life, and **conductor joints** - copper and aluminium windings, leads and busbars whose brazed connections decide the unit's reliability. Tradepass supplies both from one counter: CRGO coils with published core-loss figures, and Castolin Eutectic brazing and joining consumables as an authorised dealer for the Mumbai region.

Where our supply goes

- Core laminations for power and distribution transformers - CRGO coils, 0.20-0.30 mm.
- Wound and stacked cores for smaller transformers, chokes and reactors.
- Copper-to-copper conductor and busbar joints - brazed with copper-phosphorus alloys, self-fluxing on copper.
- Copper-to-aluminium transition joints - brazing alloys and fluxes matched to the dissimilar pair.
- Continuously transposed conductor (CTC) and coil-lead joints, terminal connections and switchgear busbar work.
- Repair and maintenance welding in the winding and fabrication shop - cast-iron, dissimilar and difficult-to-weld repairs.

What we supply

Where it goes	What we supply	Availability
Transformer core laminations	CRGO electrical steel, 0.20-0.30 mm coils - core loss 0.65-1.30 W/kg at 1.7 T, 50 Hz by gauge; exact figure per grade on the MTC	Pan-India, mill test certificate with every coil
Cu-Cu conductor & busbar joints	Castolin Eutectic copper-phosphorus brazing alloys	Authorised dealer - Mumbai region
Cu-Al transition joints	Castolin 1805 and matched brazing alloys & fluxes for Cu/Al	Authorised dealer - Mumbai region
Leads, terminals & shop repairs	Castolin Eutectic repair electrodes & brazing rods	Authorised dealer - Mumbai region

Every CRGO coil ships with its **mill test certificate** - grade, thickness, core loss and magnetic properties - traceable from the mill to your core-cutting line. Castolin Eutectic consumables are genuine, dealer-supplied product for the Mumbai Metropolitan Region, with dealer stock building at our Kalamboli warehouse.

Why Tradepass

We supply CRGO pan-India to transformer producers, and as an authorised Castolin Eutectic dealer for the Mumbai region we now cover the joining side of the same shop - one supplier for the core steel and the conductor consumables. WhatsApp us the application - core size and loss target, or the joint and conductor pair - and we recommend the grade or the brazing product, usually within the hour during working hours.