NAVKAR
TRANSCORE PVT. LTD.

We Keep You
at the Core of Our Business

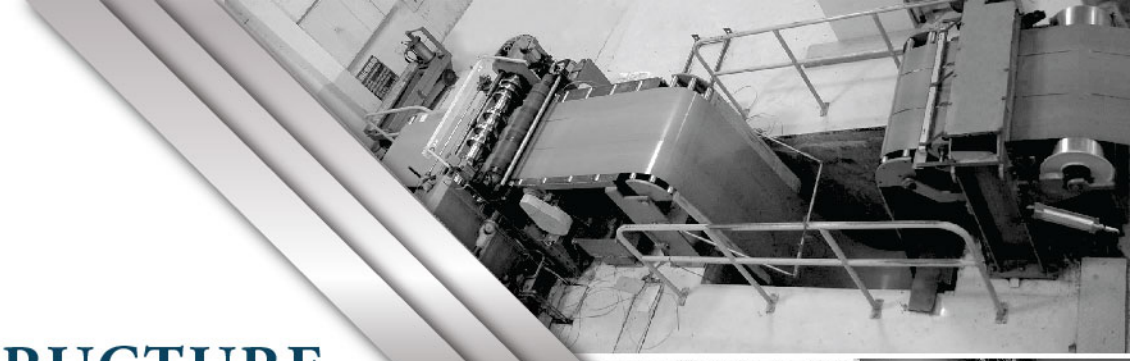
TRANSFORMING BUSINESS WITH

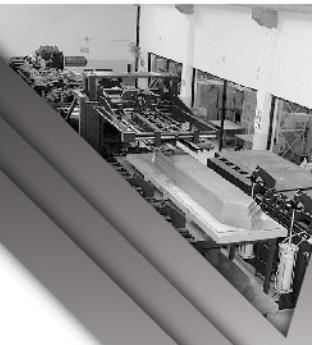
OUR EXPERIENCE

Established in 2006, Navkar Transcore Pvt. Ltd (NTPL) is now a progressive business venture in the field of Electric Transformer Lamination. A prospering branch of an established group of companies, it is involved in a wide range of products in the Transformer industry. The company is managed by promoters having over four decades of rich experience and expertise in Lamination Supplying. The future growth plan is exponential.

With its state-of-the-art manufacturing facilities, Navkar Transcore Pvt. Ltd is equipped with the latest machineries and skilled professionals to produce superior quality goods. This enables the company to supply more than 20,000 MT per annum. Being an ISO: 9001: 2015 certified company, it possesses an exceptional blend of proficient human resource and contemporary technologies. Through consistent commitment and uncompromised performance, we never fail to satisfy our clientele present globally.

Navkar Transcore believes in creating an open and advanced work culture to proceed on the path of sustainable development. Besides this, our persistence to deliver maximum customer satisfaction has enabled us to achieve international standards of quality management, assuring effective business processes.





INFRASTRUCTURE
THAT PROMISES PROGRESS

Major Machinery

No.	Machinery	Specifications
1	CNC Slitting line	1000mm width
2	CNC-cut to length line with punching and V-notching	640mm X 5000mm
3	CNC-cut to length line with punching and V-notching	440mm X 3500mm
4	CNC-cut to length line with punching and V-notching	440mm X 3500mm
5	CNC-cut to length line with punching and V-notching	300mm X 2500mm
6	CNC-cut to length line with punching and V-notching	150mm X 1500mm
7	CNC-cut to length line with punching and V-notching	440mm X 9999mm
8	CNC-cut to length line with punching and V-notching	300mm X 9999mm
9.	CNC Reactor Core Cutting Line	2 Nos.

Testing & Measuring Instruments

No.	Equipment	Quantity
1	Epstein Tester	1
2	Single Sheet Iron Loss Tester	1
3	Power Analyzer	1
4	Franklin Tester	1
5	Instrument Transformer	1
6	Standard CT	1
7	HV tester 5kV	1

STRENGTHS
THAT REFLECT DISTINCTIVENESS

- Manufacturing and distribution of Power Transformer Lamination up to 765kV class
- Building Transformer Core with no-load test up to 40 MVA (25 MT) along with Test Certificate
- Step Lap Core Cutting by CNC machines in 5/6/7/9 step with auto-stacking facility
- Reactor Cake Cutting by CNC machines with auto-stacking facility
- The Quality Management System has been accredited ISO 9001:2015 by the world's leading as well as renowned DNV GL, Netherlands
- Well-established processing units equipped with the latest technology and in-house testing facilities
- Commitment to deliver outstanding quality of products covering all grades with

PRODUCT RANGE
THAT SURPASSES EXPECTATIONS

COILS CRGO/CRNGO

TRANSFORMER LAMINATION

SLIT ROLL

TOROIDAL CORES

BUILT CORE ASSEMBLED CORE

SHUNT REACTOR LIMBS UP TO 765 KV CLASS

TANK SHUNT YOKE SHUNT

BUSHING TYPE CURRENT TRANSFORMER

CRGO SLIT ROLLS & TRANSFORMER LAMINATION

- Reactore Core
- Locomotive Core
- Horizontal Step-Lap Core in 45° & 90°
- Vertical Step-Lap Core in 45° & 90°
- Over-Lap Core in 45° & 90°
- Furnace Lamination (C.R.N.O)
- Special Purpose Lamination

C.R.G.O SLIT ROLL

TOROIDAL CORE & BUSHING TYPE

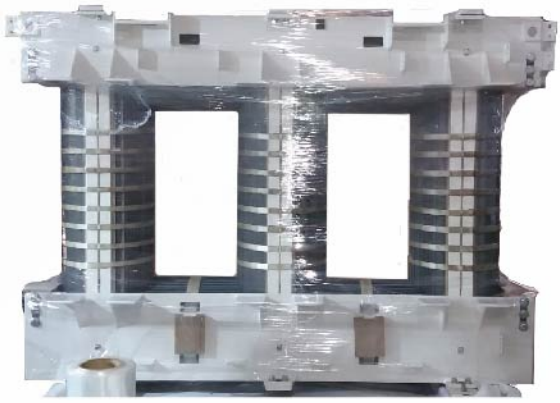
Inner Dia: 50 mm
Outer Dia: 900 mm
Height: Up to 150 mm

For CT'S/PT'S & Metering Devices
- Round/Donut Shape Core
- Rectangular Core
- Step Core

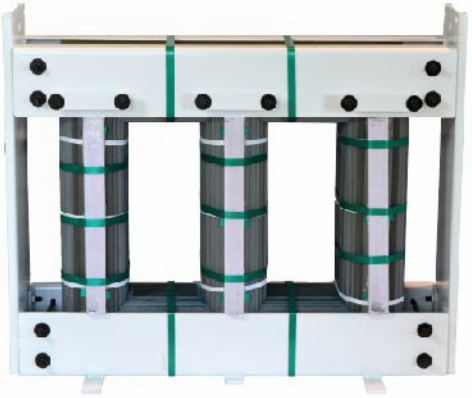
Rated Primary Current: 20 to 3500 A
Rated Secondary Current: 1A, 5A
Inner Dia: 100 mm
Outer Dia: Up to 1200 mm
Height: Up to 150 mm

BUILT CORE/ASSEMBLED CORE

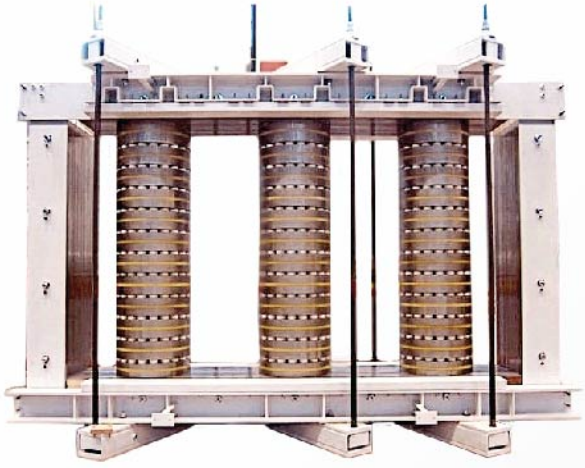
CORES FOR CAST RESIN TRANSFORMERS



POWER CORE 20 MVA



CORE FOR OIL COOLED TRANSFORMER



ASSEMBLED SHUNT REACTOR CORE

SHUNT REACTOR

- Enabling the basic purpose of controlling the line voltage by absorbing reactive power in long high-voltage transmission lines and in the cable system
- We produce magnetic core cheese stack in radial shape for Shunt Reactor Transformers up to 400 MVAR, 765 KV class as per customer specifications at the capacity of 100MT per month
- Manufacturing Shunt Reactors for PGCIL Approved Customers up to 440KV & 765KV class

WE:

- Use high-quality CRGO material
- Use high-quality ceramic spacers to maintain the gap between packets/cakes
- Use high-quality transparent epoxy
- Maintain 95 to 96% stacking factor

REACTOR CAKE WITH CERAMICS

SHUNT REACTOR UP TO 765 KV CLASS

TANK SHUNT/YOKE SHUNT

Specifications of Tanks Shunts / Flux Collector / Yoke Shunts

- CRGO and CRNGO material (as per customer's requirement)
- We offer a weldable and boltable type of Tank Shunts
- Length: 100mm to 8000mm, Width: 50mm to 500mm, Thickness: 15mm to 100mm
- We offer rubber on the tank wall side to eliminate noise at higher working voltage. The rubber acts as a buffer between the tank wall & shunt.
- We offer Tank/Yoke Shunt with Epoxy Resin to eliminate noise at higher working voltage.
- We offer Tank/Yoke Shunt with HOR White Paint as per customer requirement.

UNSWERVING COMMITMENT TO

TOTAL QUALITY

Navkar Transcore Pvt. Ltd is devoted to providing superior quality products that are customized according to the specific requirements of clients.
With the introduction of the ISO system, occurrences of defects in production are prevented and as a result, TQM standards are followed. This also enables quality improvement at controlled costs of production that in turn facilitates competitive pricing. With an endeavor to create a culture of Total Quality, we conduct numerous quality-check procedures and audits right from material acquisition to packing.

We are committed for customer satisfaction by fulfilling their needs in changing market scenario and supplying the product of consistent quality with timely delivery. This is to be achieved by the following actions:

- Continuous improvement in the effectiveness of Quality Management Systems
- Optimum utilization of resources for controlled costs
- Process innovations for quality enhancement
- The regular motivation of employees through various means

CLIENTELE

Smart solutions. Strong relationships.

BEST

बीएचईएल BHEL

HYOSUNG

Power Grid Corporation of India

PROLEC

SIEMENS Ingenuity for life

TBEA 特变电工 Always Reliable 全球信赖

transformers & rectifiers (india) ltd

JST transformateurs

INDUCTOTHERM GROUP

TOSHIBA

HYUNDAI ELECTRIC

FLUX DENSITY VS. LOSSES

Flux Density	M3 23CG110	M4 L 27CG110	M4 27CG120	M5 30CG120	M6 35CG155	23MOH 23HP95	27MOH 27HP100	30MOH 30HP105	23TCH0DR / 23HP80D	23ZDKH85 / 23HP85D	27ZDKH90/ 27TCH1DR 27HP90D
1.30	0.53	0.56	0.58	0.62	0.74	0.50	0.53	0.58	0.43	0.45	0.49
1.35	0.58	0.60	0.63	0.67	0.81	0.54	0.57	0.63	0.47	0.48	0.53
1.40	0.62	0.66	0.68	0.72	0.88	0.58	0.62	0.67	0.51	0.52	0.57
1.45	0.67	0.71	0.74	0.78	0.96	0.62	0.67	0.72	0.55	0.56	0.61
1.46	0.68	0.72	0.75	0.79	0.97	0.63	0.68	0.73	0.57	0.57	0.62
1.48	0.71	0.75	0.78	0.82	1.01	0.65	0.70	0.76	0.59	0.59	0.64
1.50	0.73	0.77	0.80	0.84	1.04	0.67	0.72	0.78	0.61	0.61	0.66
1.52	0.75	0.80	0.83	0.87	1.08	0.69	0.74	0.80	0.63	0.62	0.68
1.54	0.78	0.82	0.86	0.90	1.11	0.71	0.76	0.82	0.64	0.64	0.70
1.56	0.81	0.85	0.89	0.93	1.15	0.73	0.79	0.85	0.66	0.66	0.72
1.58	0.84	0.88	0.93	0.96	1.20	0.75	0.81	0.87	0.68	0.68	0.74
1.60	0.87	0.91	0.96	0.99	1.25	0.78	0.84	0.90	0.70	0.71	0.76
1.62	0.91	0.95	1.00	1.03	1.30	0.80	0.87	0.92	0.72	0.73	0.78
1.64	0.95	0.98	1.04	1.06	1.35	0.83	0.90	0.95	0.75	0.76	0.81
1.66	1.00	1.02	1.09	1.11	1.42	0.86	0.93	0.98	0.78	0.78	0.83
1.68	1.05	1.06	1.14	1.15	1.49	0.89	0.97	1.02	0.79	0.81	0.86
1.70	1.10	1.10	1.20	1.20	1.55	0.93	1.00	1.05	0.80	0.84	0.88
1.72	1.17	1.16	1.26	1.27	1.63	0.97	1.06	1.09	0.84	0.88	0.91
1.74	1.24	1.21	1.34	1.34	1.71	1.03	1.11	1.14	0.88	0.92	0.95
1.76	1.31	1.27	1.41	1.41	1.80	1.09	1.17	1.20	0.92	0.96	0.99
1.78	1.39	1.33	1.49	1.50	1.89	1.16	1.23	1.27	0.96	0.95	1.03
1.80	1.48	1.39	1.57	1.59	1.98	1.25	1.31	1.36	1.02	1.08	1.08

Above results are measured by Dr. Brockhaus Magnetic Material Testing Laboratory.
Above values are for reference only. Above values are watts/kg@50 Hz.

STANDARD TOLERANCE

No.	Characteristics	Acceptance Limit/Criteria
1	Width (mm)	O to 100 (+/ -0.15), 100 to 130 (+/-0,20) 230 to 380 (+/-0.25), 380 to 580 (+/-0.40), 580 and above (+/-0.50)
2	Thickness (mm)	±0.03 mm
3	Edge Burrs (micron) Thickness - mm Upto .23 27 to .30 35	Burrs micron 10 15 20
4	Length (mm)	Upto 350 (+0.00 / -0.30), 350 to 1000 (+0.00 / -0.60) 1000 to 2000 (+0.00 / -1.00), 2000 and above (+0.00 / -2.00)
5	Edge Camber	For the material with a width greater than 150 mm, edge camber shall not exceed 0.8 mm for a length 1.5 meter
6	Wave Factor	For a material of width greater than 150 mm the deviation from flatness experessed as (i.e Deviation From flatness)a percentage shall not exceed 1.5%.
7	Angle	+/-5 Minutes
8	Stack Thickness of individual Stack except centre step Unclamped	+1 -0 mm

TRIED, TESTED AND TRUSTED

AROUND THE WORLD

1. Australia
2. Bangladesh
3. Brazil
4. Colombia
5. Egypt
6. Ecuador
7. France
8. Ghana
9. Indonesia
10. Iran
11. Iraq
12. Italy
13. Kuwait
14. Malaysia
15. Muscat
16. Nepal
17. Netherland
18. New Zealand
19. Nigeria
20. Pakistan
21. Paraguay
22. Peru
23. Saudi Arabia
24. Sharjah
25. South Africa
26. Spain
27. Sri Lanka
28. Sudan
29. Tanzania
30. Thailand
31. Tunisia
32. Turkey
33. U.A.E
34. Uruguay
35. Zambia

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