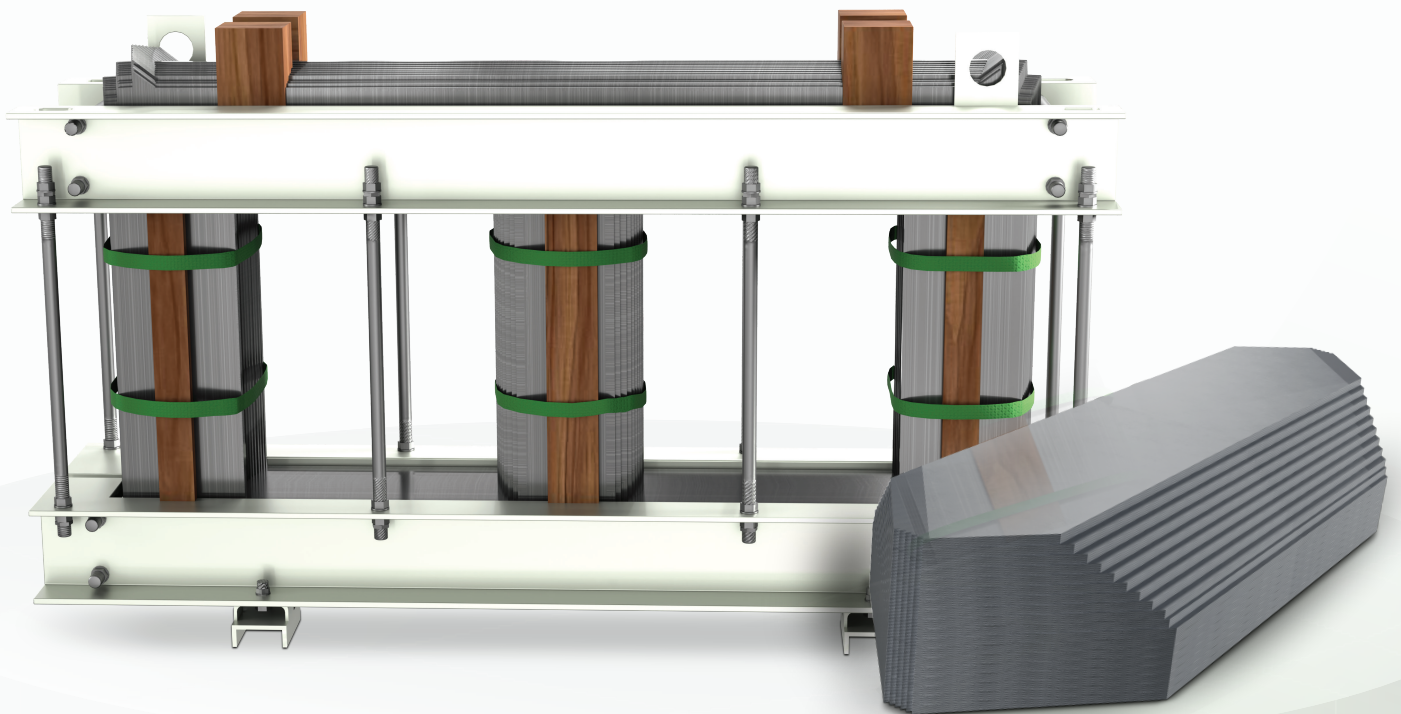




TRUSTED PROCESSOR OF TRANSFORMER CORE



 www.mangals.com

 crgo.export@mangals.com | exports@mangals.com



Engineering
Trust for Over
35
YEARS

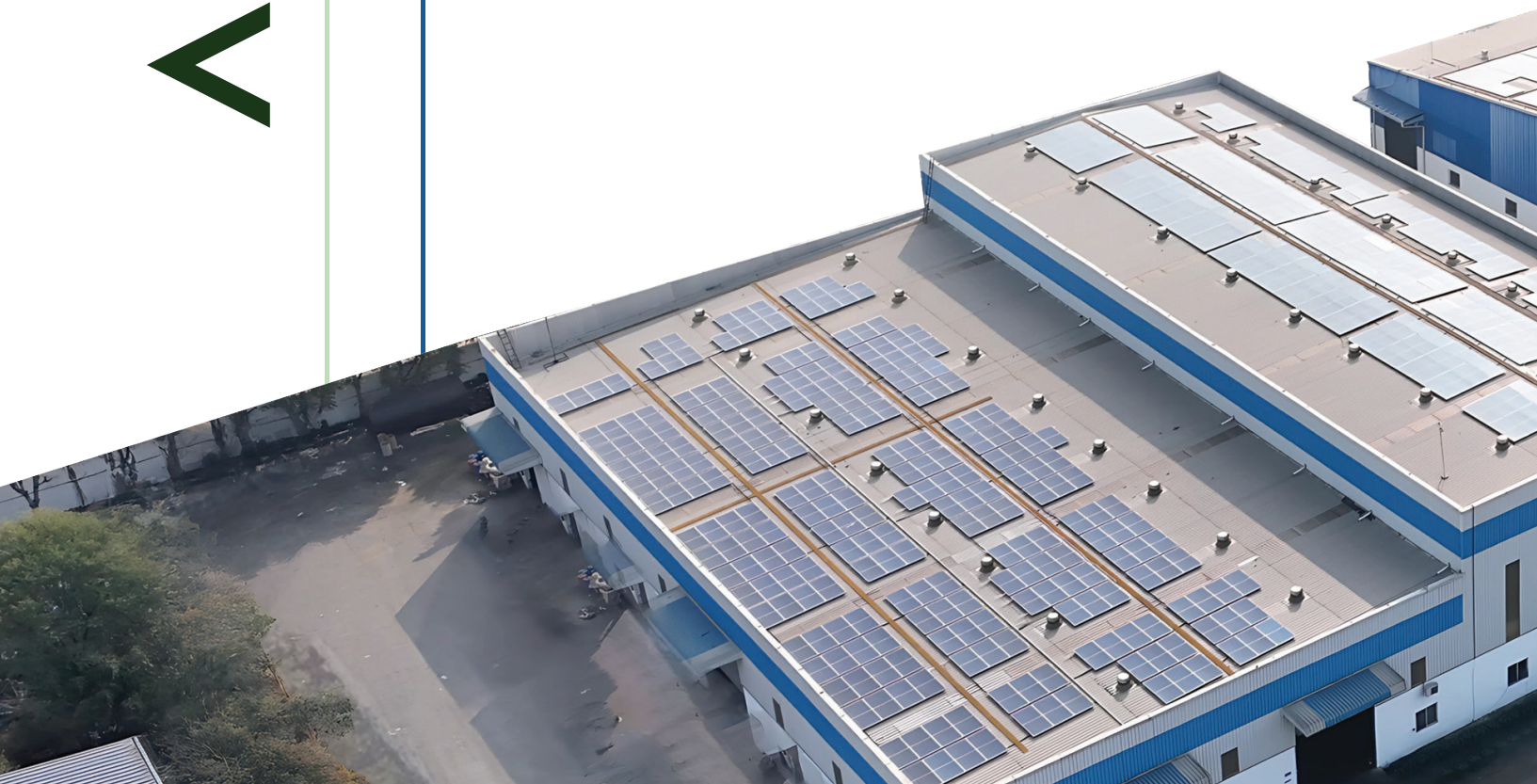
ABOUT US

& Global Credibility

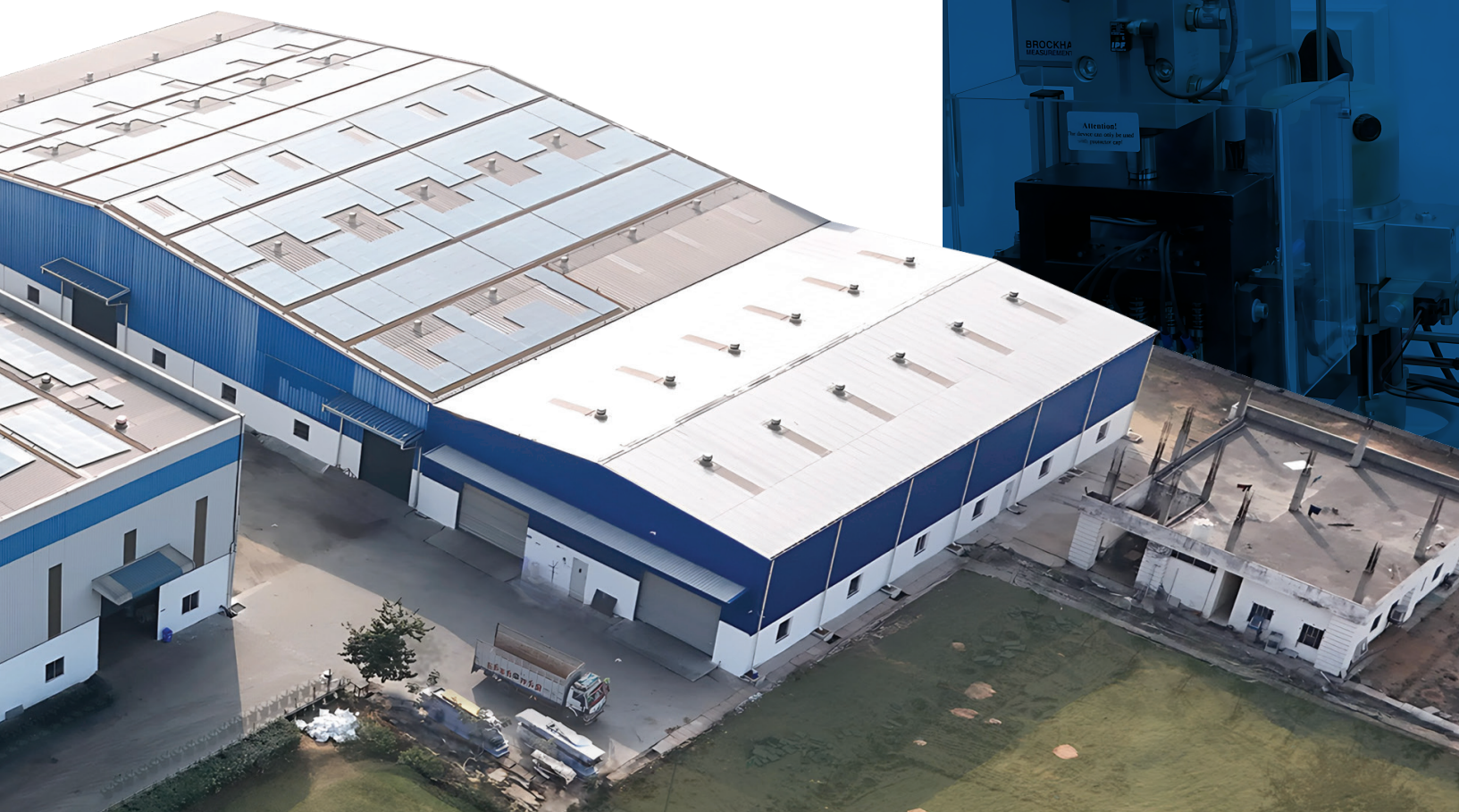
Mangal Electrical Industries Ltd. is India's leading processor of transformer cores, trusted by OEMs in over 15 countries. Guided by our PQRS philosophy – Precision, Quality, Reliability, and Sustainability – we deliver dependable, future-ready solutions for the world's evolving energy needs.

Our infrastructure is approved by NTPC and PGCIL for CRGO slitting, cutting and laminations for transformers and reactors up to 765 kV class. We operate a NABL- and PGCIL-certified lab equipped with advanced Brockhaus systems, enabling precision testing aligned with international standards such as ISO, IEC, and ASTM – making us a benchmark for engineering excellence across public and private utilities.

OVER 100,000 SQ.FT
OPERATIONAL SPACE

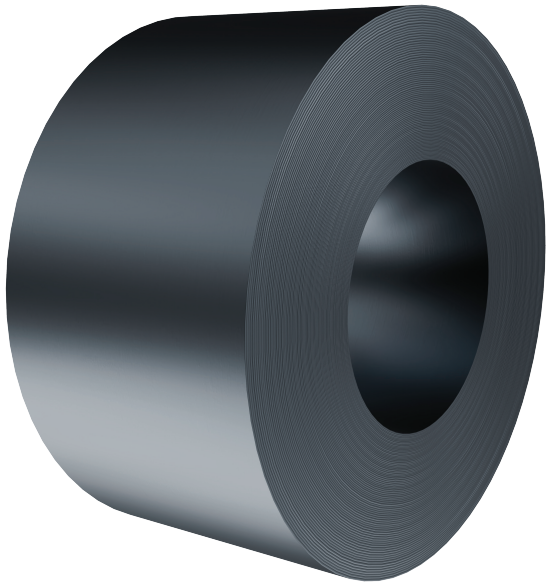


- ❖ All major CRGO grades from globally renowned mills are available with us
- ❖ Complete component design and troubleshooting capabilities
- ❖ Robust infrastructure: 5 units | 40,000 MT capacity | 1,000+ employees
- ❖ Fast lead times
- ❖ Class 8/9 dust-controlled environment
- ❖ Trusted by global OEMs across 15+ countries
- ❖ Export-ready vacuum packaging systems



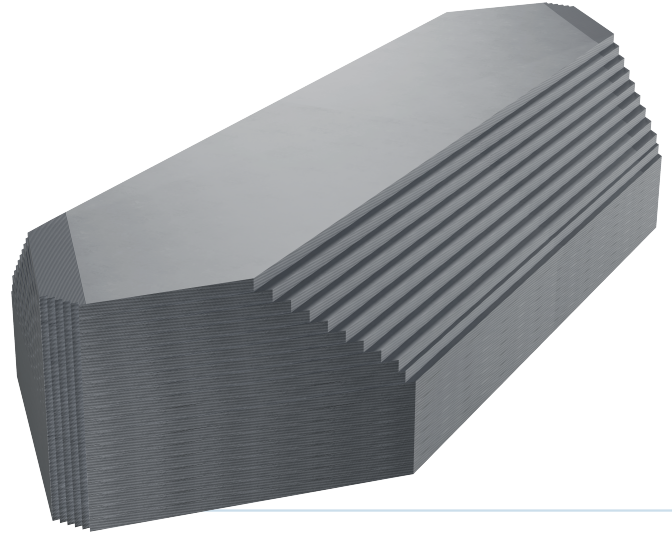
CRGO Slit Coils

- Burr <8-10µm
- Width: 40-1250 mm
- Automated coil wrapping for global packaging



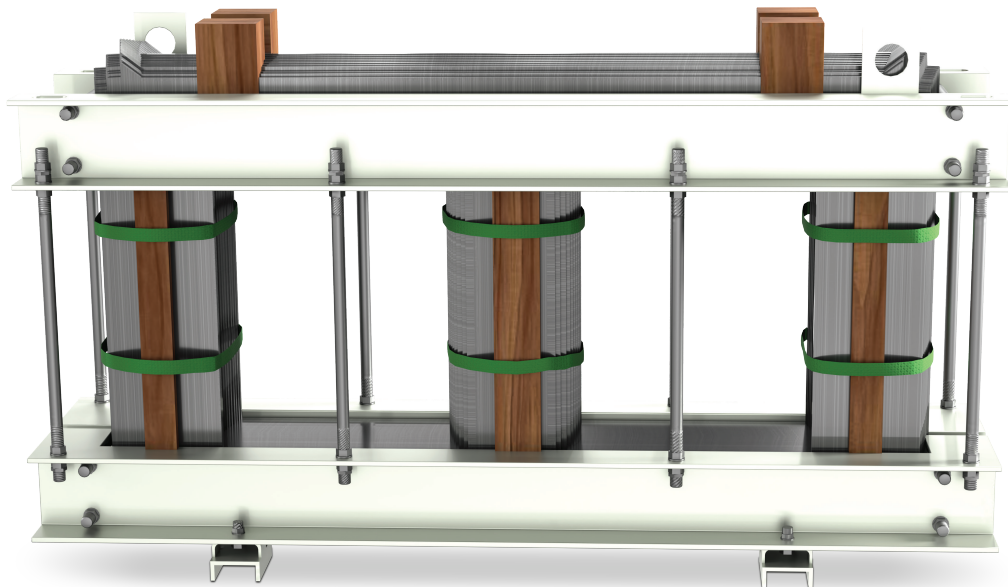
CRGO Cut Lamination

- Vertical and Horizontal Step-Lap
- Mitred with traceable labelling
- Slot Punching
- Tip Cut

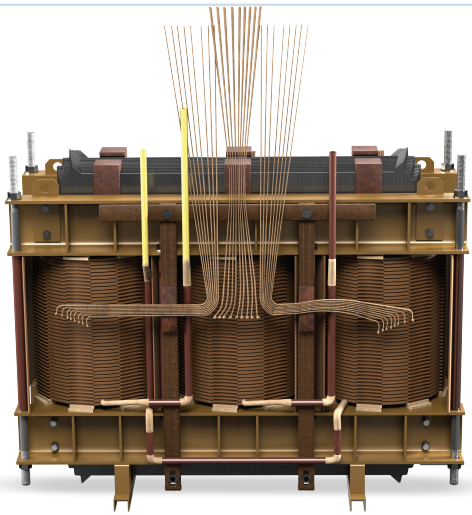


Core Assembly

- Design Optimization
- MS / Wooden Frame Parts
- Vacuum Packaging



PRODUCTS



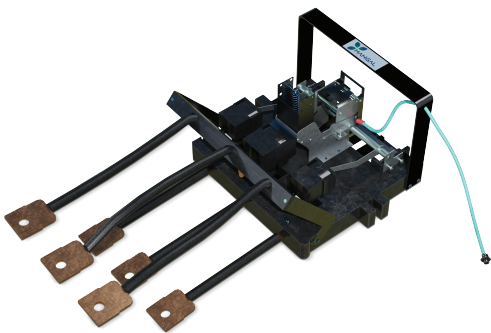
Core Coil Assembly

- Active parts up to 20 MVA
- Complete test facility
- Foil winding up to 20 MVA



Amorphous Cores

- 0.03 mm thin
- 80% lower no-load loss



Oil-Immersed Circuit Breakers

- Custom-engineered for durability
- Minimal maintenance requirements

THE PQRS PHILOSOPHY

At Mangal, we engineer with purpose.
Our philosophy - PQRS - drives our products & culture:



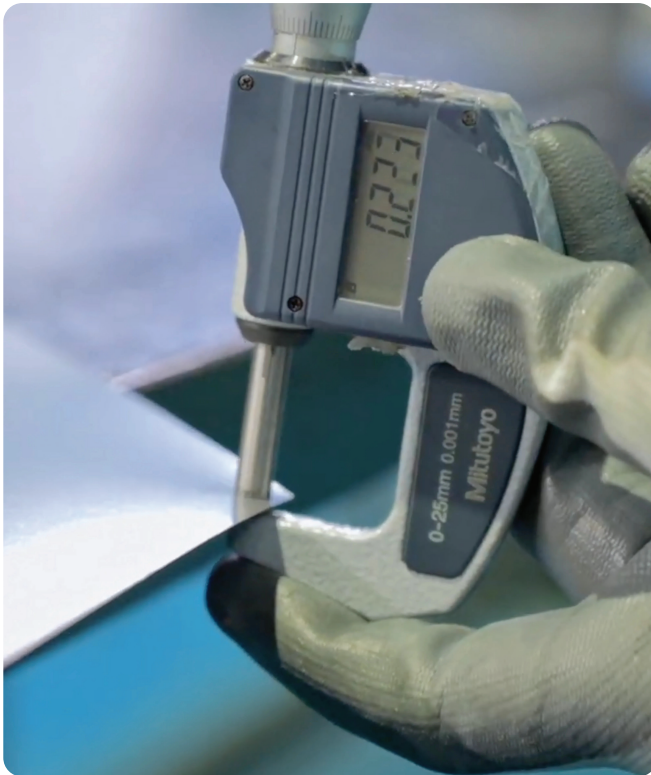
Precision

- Tight tolerances
- Burr-free slitting
- Micron-level dimensional accuracy
- Cores built for high-performance transformers

Quality

- ISO 9001:2015 and ISO 45001:2018 certified
- In-house Brockhaus testing lab for testing at every critical stage
- Consistent global-grade results



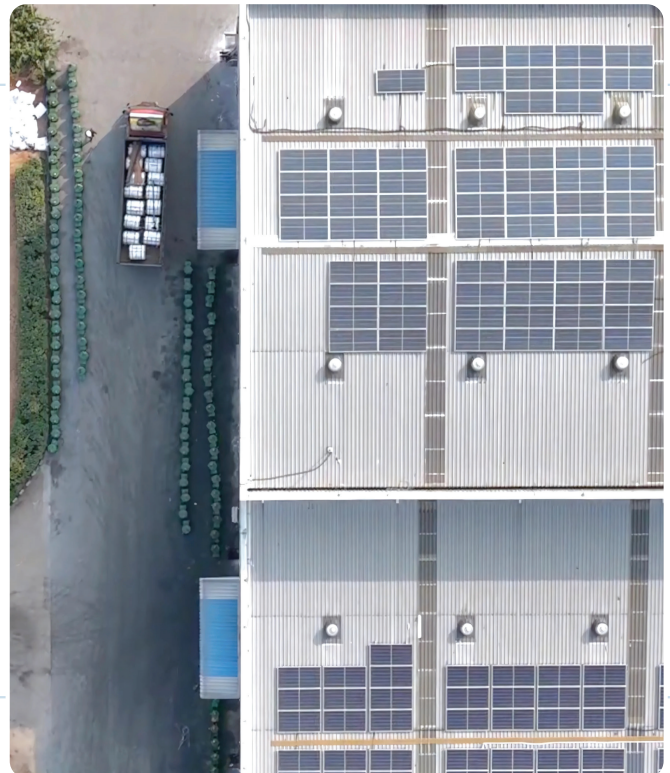


Reliability

- Proven performance across 20+ countries
 - Trusted by leading public utilities, private OEMs, and EPCs
 - Strong on-time delivery record and responsive technical support
-

Sustainability

- Lean manufacturing practices
 - Operate under ISO 14001:2015
 - Solar power generation
 - Rainwater harvesting
 - Continuous tree plantation initiatives
-



INFRASTRUCTURE

And Manufacturing

Built for Scale. Powered by Precision.

Our manufacturing units span over 100,000 sq.ft across Rajasthan, India- strategically located near export logistics hubs.

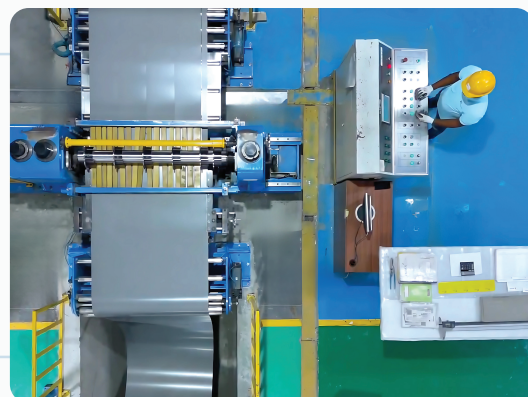


Ultra-Clean Processing

Class 8/9 dust-controlled setup ensures insulation integrity and precision.

High-Precision Slitting

3 slitting lines with tungsten carbide blades for accurate, burr-free edges.



Versatile CTL Capacity

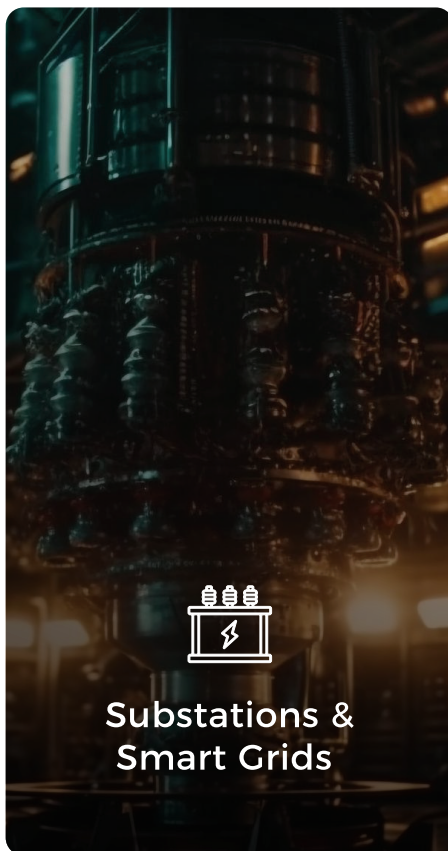
- 2 × 1000 mm
- 1 × 600 mm
- 2 × 400 mm
- 3 × 200 mm

Advanced Automation

1000 mm CTL line integrated with slot punching and auto-stacking for enhanced productivity and accuracy.



APPLICATIONS



GLOBALLY CERTIFIED

Consistently Reliable.



Our in-house testing lab is equipped with German Brockhaus Messtechnik systems, aligned with ISO 3024:2015, IEC, & ASTM standards.

Certifications & Approvals



Approved by



Export Markets

Powering the World



15+
Countries



ENABLING RELIABLE POWER, WORLDWIDE



Registered Office

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Website



LinkedIn

