



Since 2016



POWERING EXCELLENCE WITH HIGH-QUALITY CRGO SOLUTIONS



MANUFACTURING
Precision Driven
Production



SUPPLYING
Reliable Quality.
On Time.



EXPORTING
Global Reach.
Trusted Worldwide.

www.jsipl.co.in

About Us

At JAAS Steel Industries Pvt. Ltd., we are driven by a powerful vision—to energize the future through precision-engineered solutions for the transformer industry. Established in 2016 under the sharp and visionary leadership of Mr. Ajay Giri and Mr. Anand Giri, the company began its journey with just three dedicated professionals. Today, JAAS has grown into a formidable force with over 100+ skilled team members, setting benchmarks in quality, innovation, and reliability.

What began as a modest initiative has now evolved into India's leading manufacturer and supplier of CRGO transformer cores, serving some of the most respected names in the power sector. With a strong foundation rooted in excellence, we offer a wide range of products including:

- **Power & Distribution Transformer Laminations**
- **CRGO Slit Coils**
- **Assembled Transformer Cores**
- **CRGO & CRNO Coil Trading**

Our state-of-the-art manufacturing facility is equipped with advanced machinery, allowing us to meet global standards while delivering customized solutions tailored to client needs.

At JAAS, we are more than just a manufacturing company—we are a values-driven organization built on authenticity, transparency, and trust. We believe that honest communication and responsible business practices form the bedrock of long-term relationships with our clients and partners.

As an ISO 9001:2015 certified company, we take pride in our uncompromising commitment to quality, continuous improvement, and customer satisfaction.



2016 Establishment of Unit 1

Over 10000 Sq. Ft.

Manufacturing of Cut to Length Laminations, Built Core / Core Assembly, Slit Coils

2024 Establishment of Unit 2

Over 30000 Sq. Ft. Operational Space

Expansions of CRGO products mfg. capacity

Chairman's Visionary Note

Mr. Ajay Giri

Chairman & Managing Director

At JAAS Steel Industries Pvt. Ltd., we firmly believe that growth is driven by innovation, strengthened by quality, and sustained by trust. Our commitment is to deliver excellence in every product we manufacture while upholding the highest standards of integrity, reliability, and customer satisfaction.

With the dedication of our team and the confidence of our customers, we strive to build lasting partnerships, create meaningful value, and contribute to the advancement of the industry and society. As we move forward, our focus remains on continuous improvement, responsible growth, and shaping a stronger future together.



Mr. Anand Giri

Managing Director

At JAAS Steel Industries Pvt. Ltd., we understand that manufacturing excellence begins with a strong and dependable supply chain. Our commitment lies in sourcing premium-quality raw materials, maintaining rigorous quality standards at every stage, and fostering long-term relationships with trusted suppliers and partners.

Through strategic procurement practices and a focus on operational efficiency, we strive to ensure consistency, sustainability, and value in every product we deliver. By strengthening our supply chain ecosystem, we continue to support innovation, enhance customer satisfaction, and drive sustainable growth for the future.



Our Team's Commitment

At JAAS Steel Industries Pvt. Ltd., we believe that collaboration is the cornerstone of every success story. We value the unique strengths, perspectives, and contributions of every individual—and when we work together, we unlock our true potential.

Our culture is built on mutual respect, open communication, and shared goals, empowering teams to innovate, solve challenges, and deliver outstanding results. We support one another, celebrate collective achievements, and grow as one unified force.

Because at JAAS, it's not just about working together—it's about winning together.



SHWETA PATEL
OPERATION &
MARKETING HEAD

PUNET PUNIA
PLANT HEAD

**MEET
OUR
TEAM**

RAMAYAN RAY
PPC MANAGER

LALIT TALREJA
QUALITY EXECUTIVE

Why Choose JAAS Steel Industries Pvt. Ltd.

Expertise – Crafting with Precision

With over a decade of focused industry experience, brings deep technical knowledge and practical insight into every project. Our leadership team and skilled workforce understand the nuances of CRGO and transformer core manufacturing—delivering solutions that are both reliable and forward thinking.

Quality Assurance - Every time

Quality is non-negotiable. Every product undergoes strict inspection and testing, backed by our ISO 9001:2015 certification and state-of-the-art infrastructure. From raw material to final dispatch, we ensure consistent excellence—every time.

**Because quality isn't just a promise
—it's our identity.**

Customer Focus – Growing Together

We don't just aim to supply products—we strive to become a lasting part of our customers' success stories. Our focus is on building enduring partnerships, understanding evolving needs, and delivering solutions that contribute meaningfully to their growth.

Your growth is our goal—today, tomorrow, always.

Competitive Pricing - Create Differences

At JAAS Steel Industries Pvt. Ltd., we offer high-quality products at industry-competitive prices. Our efficient processes and in-house capabilities help us deliver exceptional value—without ever compromising on quality or service.

Premium quality, smart pricing—that's the JAAS advantage.



Products We Offered



CRGO Mother Coil

JAAS Steel Industries maintains an inventory of CRGO steel mother coils sourced exclusively from Bureau of Indian Standards (BIS)-approved mills or their authorized distributors to fulfil customer orders.

All incoming CRGO wide coils are subject to rigorous quality control measures within our testing laboratory and throughout the manufacturing process.



Available grades at JAAS Steel Industries:

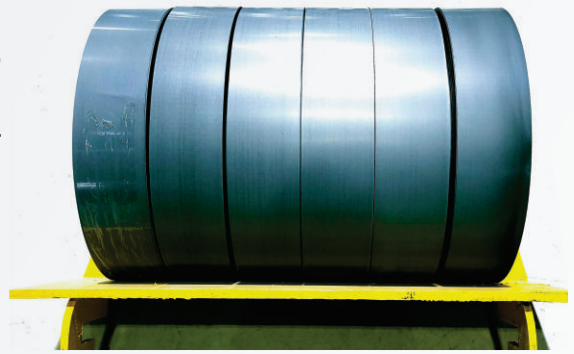
23HP75D	23HP80D	23HP85D	23HP90D	23HP95D	27HP90	23HP100
27HP100	27HP110	27CG120	27CG130	27CG140	30CG120	30CG130

CRGO Slit Coil

JAAS Steel Industries offers the complete range of CRGO Slit Coils of precise widths ranging from 20 mm to 1250 mm for both small-and large-scale transformer applications.

Our CNC Slitting line with a carbide cutter ensures top-quality results with perfect accuracy.

Our Maximum Burr Level Limit is less than 10 Microns



Here are some Technical Specifications of JSIPL Slit coils :

Thickness: 0.23mm to 0.30 mm

Width: 20mm to 1250 mm

Burr Tolerance: < 10 Micron

Packaging: We are providing 3 layers of protective packing to slit coils to prevent damage and rusting during handling and transportation.



Our state-of-the-art manufacturing facility is equipped with advanced machinery, allowing us to meet global standards while delivering customized solutions tailored to client needs.

At JAAS, we are more than just a manufacturing company—we are a values-driven organization built on authenticity, transparency, and trust. We believe that honest communication and responsible business practices form the bedrock of long-term relationships with our clients and partners.

As an ISO 9001:2015 certified company, we take pride in our uncompromising commitment to quality, continuous improvement, and customer satisfaction.

CRGO Cut Lamination

JAAS Steel Industries capacity to provide C.R.G.O Transformer Laminations for power & distribution Transformers up to **50 MVA** as per customer's drawing or specifications.

Our infrastructure is well equipped with Cut-to-length advance machinery for the Slitting and Cutting Lamination for Distribution & Power transformers (No constraint of length/width) with



- **45-degree mitred design or Rectangular Design**
- **V-notch**
- **Double-hole punch**
- **Tip cut units**

We always strive hard for crucial quality checks of burr level, stack height, dimension and required weight that enhance transformer efficiency and performance as high degree of precision required to manufacture transformer lamination.

We have facilities for processing laminations having varying features viz: Hole punching, tip cutting, V notching and also having programmers to manufacture laminations of all possible shapes and sizes for making Power Transformer cores in:

- **Vertical Step Lap Design with option of 5/6/7 steps**
- **Horizontal Step Lap Design with option of 5/6/7 steps**
- **Overlap Design**
- **Conventional Design**
- **Reactors**
- **Shunt Core**



Assembled Core

We offer “Assembled Core (Lamination core to Assembled Core)” upto **20 MVA**.

Assemblies are prepared for seamless insertion of Low Voltage (LV) and High Voltage (HV) coils, marking a critical stage in transformer manufacturing.

The core is specially designed for low watt loss. Highest grade steel is used for the core construction.

Best possible core forming techniques are formulated for better result. With a focus on precision and careful handling, we ensure high reliability and superior performance in every core assembly.



Process & Facilities



SLITTING Process

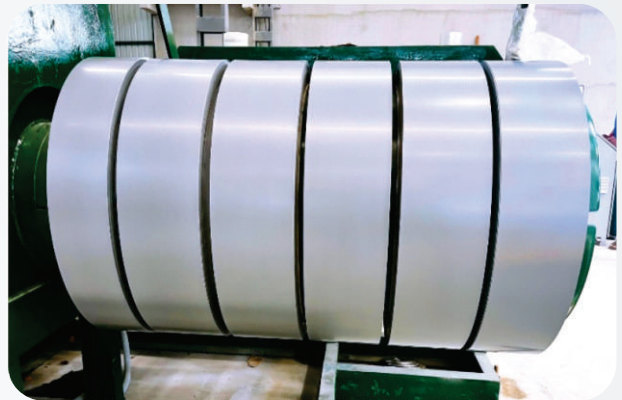


Features:

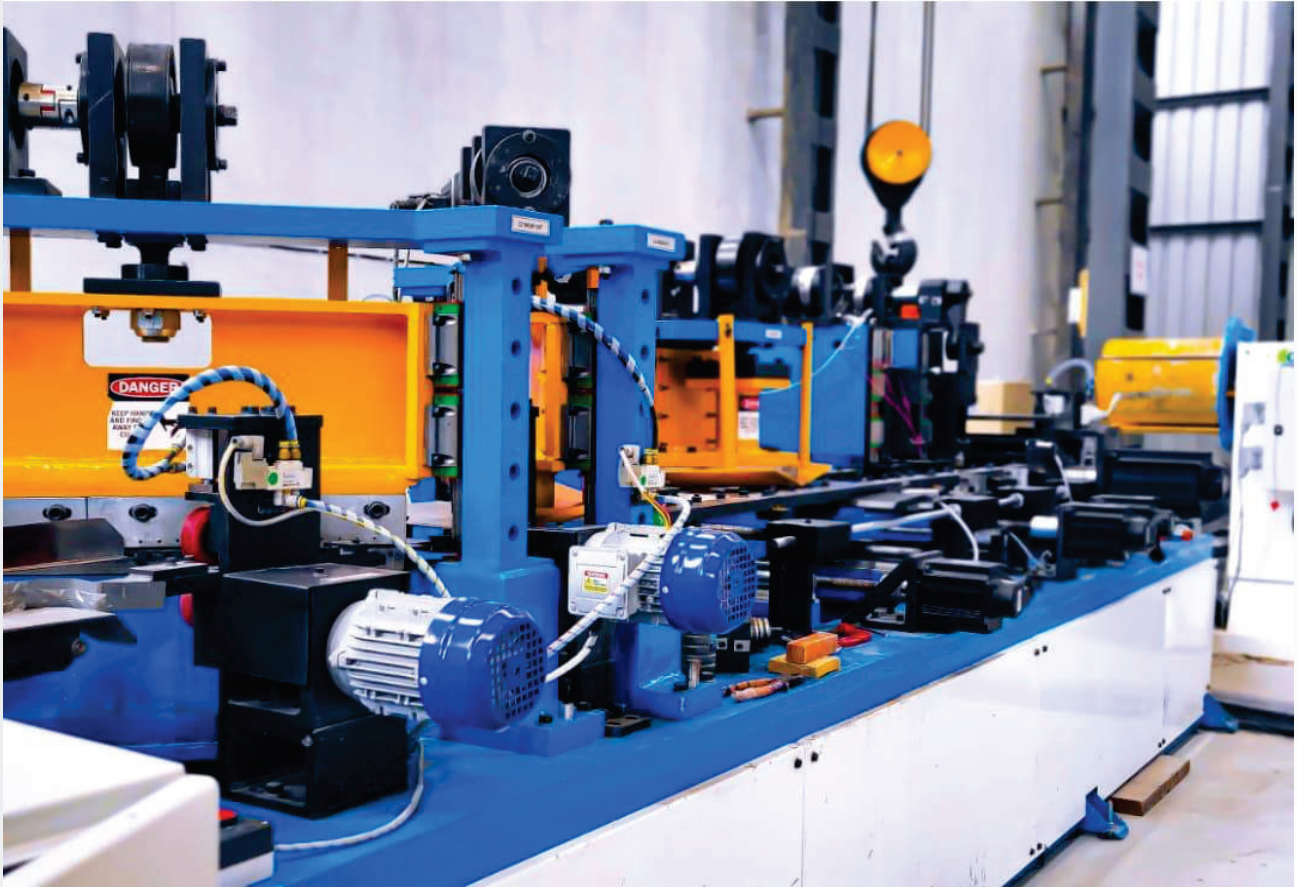
Can process CRGO for the thickness from 0.18 mm to 0.50 mm

Slit width: 20 mm to 1200 mm

Weight : mother coil weight upto 10 MT



Slitting is the heart of the whole manufacturing process and it should be tuned with fine accuracy and high-quality standard. Therefore, our ultra-modern slitting lines are well equipped with tungsten carbide cutters for the precise slitting.



CUTTING Process

Operations :

At JSI, quality control checks are conducted throughout the Lamination manufacturing process on every machine and quality records are maintained separately.

The Laminations are checked for Edge Burrs, Width, Camber, Thickness, Stack Thickness, Wave Factor, etc., which have to be in accordance with the respective least measurements done by various measuring devices

- V- notching
- Multiple hole punching and offset holding facility
- Horizontal, Vertical, and Conventional drawing cutting facility

Features :

Maximum Length : 5000 mm

Width : Minimum 40 mm &

Maximum 1000 mm:



Standard Tolerance for CRGO Lamination / CRGO Slit Coil

Sr. No.	Characteristics	Acceptance Limit / Criteria
1	Thickness (in mm)	0.23 mm to 0.35 mm (± 0.025 mm)
2	Width (in mm)	Up to 100 mm (+/- 0.15) 100 to 130 mm (+/- 0.20) 230 to 380 mm (+/- 0.25) 380 to 580 mm (+/- 0.40) 580 and above (+/- 0.50)
3	Length (in mm)	Up to 350 mm (+0.00 / -0.30) From 350 to 1000 mm (+0.00 / -0.60) From 1000 to 2000 mm (+0.00 / -1.00) From 2000 and above (+0.00 / -2.00)
4	Edge Burr (in micron)	thickness upto 0.23 mm (10 micron) from 0.27 to 0.30 mm (10 micron) for 0.35 mm (15 micron)
5	Angle (in minute)	± 5 minutes
6	Edge camber (in mm)	For the material with a width greater than 150 mm, edge camber should not exceed 0.90 mm for a length 2 meter
7	Wave Factor (i.e. Deviation from flatness)	For the material with a width greater than 150 mm, the deviation from flatness expressed as a percentage should not exceed 1.5% .+1 / -0 mm
8	Bowing / Residual Curvature (Coil / Lamination)	For the material Min. 280 mm long & 20 mm wide strip bowing should not exceed 1.00 mm
9	Stack thickness of individual stack except centre step unclamped	+1 / -0 mm

Quality Norms for Raw Material

Sr. No	Tests	Acceptance Norms
1	Density	7.65 gm/cm ³
2	Surface Insulation Resistivity Test as per Franklin Test Method	Min. 10 Ohm/sq cm on Franklin Tester or current should be 0.4Amp for better insulation coating
3	Stacking Factor	For Thickness 0.23 mm (94.5%) 0.27 (95.0%) 0.30 (95.5%) 0.35 (96.0%)
4	Ductility Test / Bend Test	For Class-3 Rating, Fracture @ Min. 3 bends 0 -180° Bending of sample
5	Core loss Test (By Epstein Test Method)	Watt / kg at specific Flux Density for Different Grades from coils (At start & end of the coil)

Flux Density v/s Losses (in watt/kg @ 50 HZ)

F.D (T)	20HP70	23HP75D	23HP80D	23HP85D	23HP90D	23HP95D	23CG110	27HP100	27HP110	27CG120	30CG130
1.30	0.38	0.39	0.42	0.45	0.47	0.50	0.55	0.53	0.55	0.57	0.64
1.31	0.39	0.40	0.42	0.46	0.48	0.51	0.56	0.53	0.56	0.58	0.65
1.32	0.40	0.41	0.43	0.46	0.49	0.52	0.56	0.54	0.56	0.59	0.66
1.33	0.40	0.41	0.44	0.47	0.49	0.53	0.57	0.55	0.57	0.60	0.68
1.34	0.41	0.42	0.44	0.48	0.50	0.54	0.58	0.56	0.58	0.61	0.69
1.35	0.41	0.43	0.45	0.48	0.51	0.54	0.59	0.57	0.59	0.62	0.70
1.36	0.42	0.43	0.46	0.49	0.52	0.55	0.60	0.58	0.60	0.62	0.71
1.37	0.43	0.44	0.46	0.50	0.52	0.56	0.61	0.58	0.61	0.63	0.72
1.38	0.43	0.44	0.47	0.51	0.53	0.57	0.62	0.59	0.62	0.64	0.73
1.39	0.44	0.45	0.48	0.51	0.54	0.58	0.63	0.60	0.63	0.65	0.74
1.40	0.45	0.46	0.48	0.52	0.55	0.58	0.63	0.61	0.63	0.66	0.75
1.41	0.45	0.46	0.49	0.53	0.55	0.59	0.64	0.62	0.64	0.67	0.76
1.42	0.46	0.47	0.50	0.54	0.56	0.60	0.65	0.63	0.65	0.68	0.77
1.43	0.46	0.48	0.50	0.54	0.57	0.61	0.66	0.64	0.66	0.69	0.78
1.44	0.47	0.48	0.51	0.55	0.58	0.62	0.67	0.65	0.67	0.70	0.79
1.45	0.48	0.49	0.52	0.56	0.59	0.63	0.68	0.65	0.68	0.71	0.80
1.46	0.48	0.50	0.53	0.57	0.59	0.64	0.69	0.66	0.69	0.72	0.81
1.47	0.49	0.50	0.53	0.57	0.60	0.64	0.70	0.67	0.70	0.73	0.82
1.48	0.50	0.51	0.54	0.58	0.61	0.65	0.71	0.68	0.71	0.74	0.84
1.49	0.50	0.52	0.55	0.59	0.62	0.66	0.72	0.69	0.72	0.75	0.85
1.50	0.51	0.53	0.55	0.60	0.63	0.67	0.73	0.70	0.73	0.76	0.86
1.51	0.52	0.54	0.57	0.61	0.64	0.69	0.74	0.71	0.74	0.78	0.88
1.52	0.53	0.55	0.58	0.62	0.65	0.70	0.76	0.73	0.76	0.80	0.89
1.53	0.54	0.56	0.59	0.64	0.67	0.71	0.77	0.74	0.77	0.82	0.91
1.54	0.55	0.57	0.60	0.65	0.68	0.73	0.79	0.75	0.79	0.84	0.93
1.55	0.56	0.58	0.61	0.66	0.69	0.74	0.80	0.77	0.80	0.86	0.95
1.56	0.57	0.59	0.62	0.67	0.71	0.76	0.82	0.78	0.82	0.88	0.97
1.57	0.59	0.60	0.64	0.69	0.72	0.77	0.83	0.79	0.83	0.90	0.98
1.58	0.60	0.61	0.65	0.70	0.73	0.78	0.85	0.81	0.85	0.92	1.00
1.59	0.61	0.63	0.66	0.71	0.75	0.80	0.87	0.82	0.87	0.94	1.02
1.60	0.62	0.64	0.67	0.73	0.76	0.81	0.88	0.84	0.88	0.96	1.04
1.61	0.63	0.65	0.68	0.74	0.77	0.83	0.90	0.85	0.90	0.97	1.06
1.62	0.64	0.65	0.69	0.74	0.78	0.84	0.92	0.86	0.92	0.99	1.08
1.63	0.64	0.66	0.70	0.75	0.79	0.85	0.93	0.88	0.93	1.01	1.10
1.64	0.65	0.67	0.71	0.76	0.80	0.86	0.95	0.89	0.95	1.03	1.12
1.65	0.66	0.68	0.72	0.77	0.81	0.87	0.97	0.90	0.97	1.05	1.14
1.66	0.67	0.69	0.72	0.78	0.82	0.88	0.99	0.92	0.99	1.07	1.16
1.67	0.68	0.69	0.73	0.79	0.83	0.89	1.00	0.93	1.00	1.09	1.18
1.68	0.68	0.70	0.74	0.80	0.84	0.90	1.02	0.94	1.02	1.11	1.21
1.69	0.69	0.71	0.75	0.81	0.85	0.91	1.04	0.96	1.04	1.13	1.23
1.70	0.7	0.72	0.76	0.82	0.86	0.92	1.06	0.97	1.06	1.15	1.25
1.72	0.72	0.74	0.78	0.84	0.88	0.94	1.09	0.99	1.09	1.18	1.28
1.74	0.73	0.75	0.80	0.86	0.90	0.96	1.11	1.02	1.11	1.21	1.31

Grades are mentioned as per Bureau of Indian Standard (BIS). These results are measured at **JAAS STEEL INDUSTRIES PVT. LTD.** Testing Laboratory & Values are for reference only.

Our Quality Policy

At **JAAS STEEL INDUSTRIES PVT LTD**, we are committed to delivering superior products and services that consistently meet or exceed our customers expectations. Our dedication to quality drives every aspect of our operations, ensuring reliability, innovation, and value. We achieve this through:

1. **Customer-Centric Excellence:** Prioritizing customer needs and delivering solutions that inspire trust and satisfaction.
2. **Uncompromising Standards:** Adhering to rigorous processes and industry regulations to ensure flawless outcomes.
3. **Continuous Improvement:** Constantly refining our practices through feedback, innovation, and data-driven insights.
4. **Empowered Teams:** Equipping our employees with the tools, training, and accountability to uphold our quality promise.

Being a quality focused organization, our first and foremost objective is to satisfy our customers at all levels and for this reason we always procure CRGO Mother coil from Bureau of Indian Standard approved mills or authorized dealer.

Our quality team ensures that the products are manufactured as per the specifications provided by our customers and in accordance with National and International standards. Our infrastructure is well equipped with testing laboratory.



Celebrating Together



Our Strength, Our Team



Empowered Women, Stronger Future



The Hands Behind Every Quality Product





BUILDING TRUST **THROUGH QUALITY**

Since 2016, JAAS Steel Industries Pvt. Ltd. has been a trusted manufacturer, supplier, and exporter of premium CRGO products. With advanced manufacturing, uncompromising quality, and customer-centric service, we deliver reliable solutions to the power industries across the globe.



JAAS STEEL INDUSTRIES PVT LTD

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UNIT - 2: PLOT NO. 142, POR GIDC, RAMANGAMDI, VADODARA 391243

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