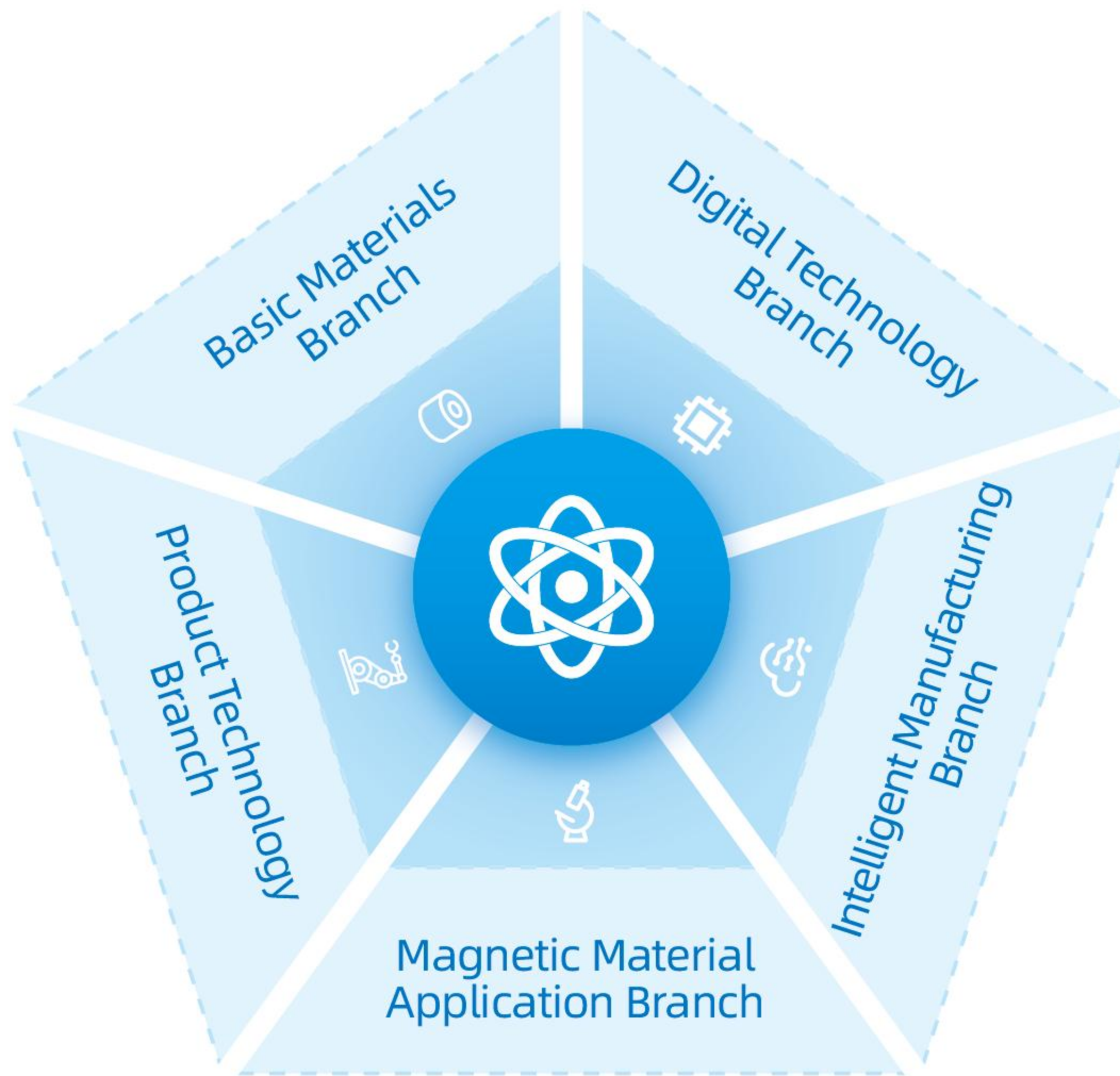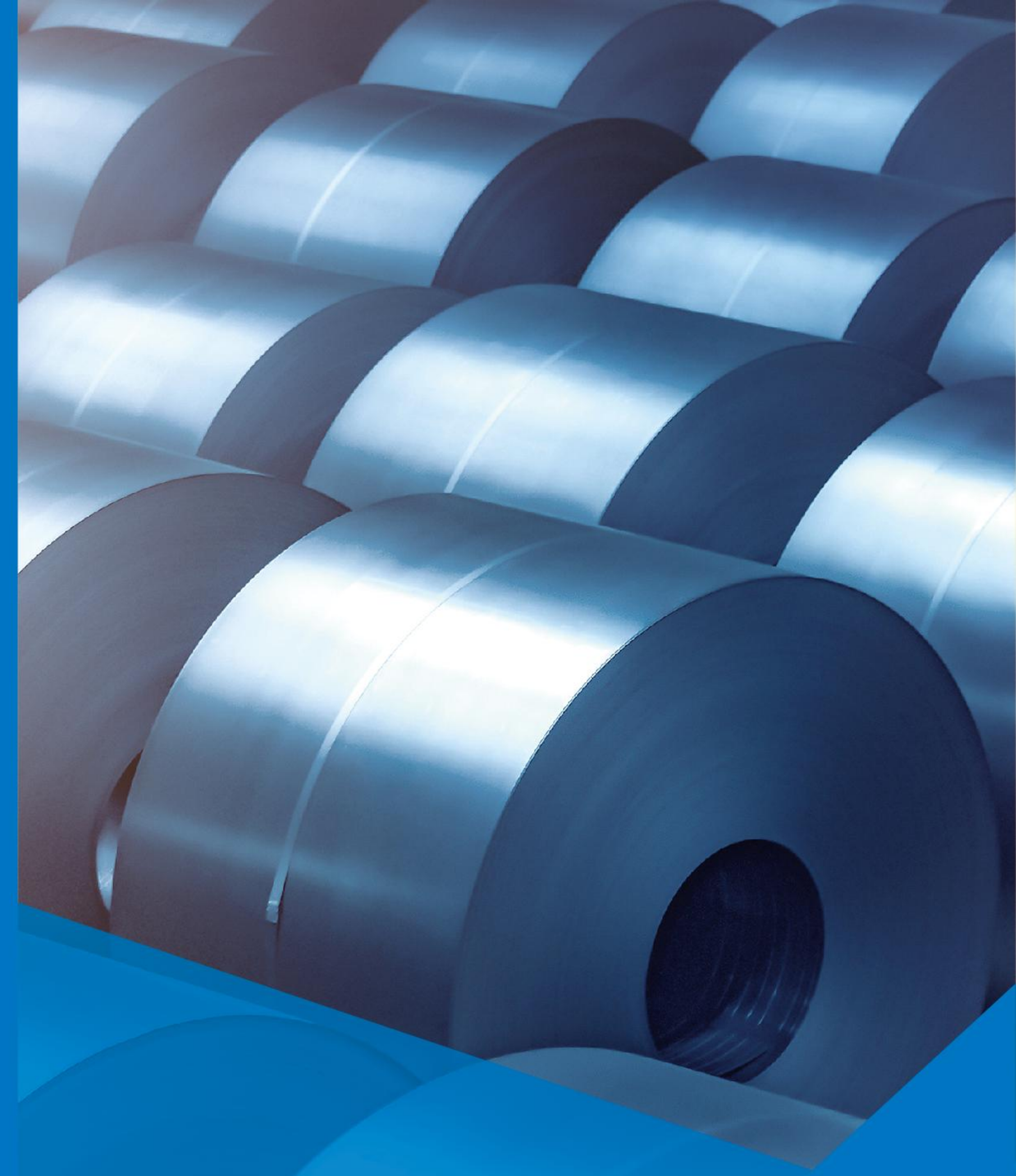# PTTX Research Institute

Based on silicon steel material technology, PTTX has established a low-carbon industry research institute driven by innovation, focusing on in-depth research and development in five major fields.

Basic Materials Branch

Digital Technology Branch

Product Technology Branch

Intelligent Manufacturing Branch

Magnetic Material Application Branch

PTTX Silicon Steel

Silicon Steel Slit Coils	Single Sheet Iron Loss Range	Transformer Cores
R&D Target Availability: Customized Processing	≤0.7W/kg	**R&D Target** Availability: Customized Processing
Available	0.75W/kg - 0.7W/kg	
Available	0.8W/kg - 0.75W/kg	**Grade range** 18-75 20-80 20-85 23-90 23-95
Available	0.9W/kg - 0.8W/kg	

PTTX

PT SILICON STEEL
THE ENERGY OF CRAFTSMANSHIP

PTTX

ABOUT US

PTTX is based on silicon steel material technology and takes the construction of a high-quality energy efficiency standard silicon steel new material industry ecosystem as its responsibility.

It equips the low-carbon world with silicon steel material technology that leads Chinese standards, and contributes Chinese wisdom to promoting a virtuous cycle of silicon steel material technology with electricity, new energy, and related industries.
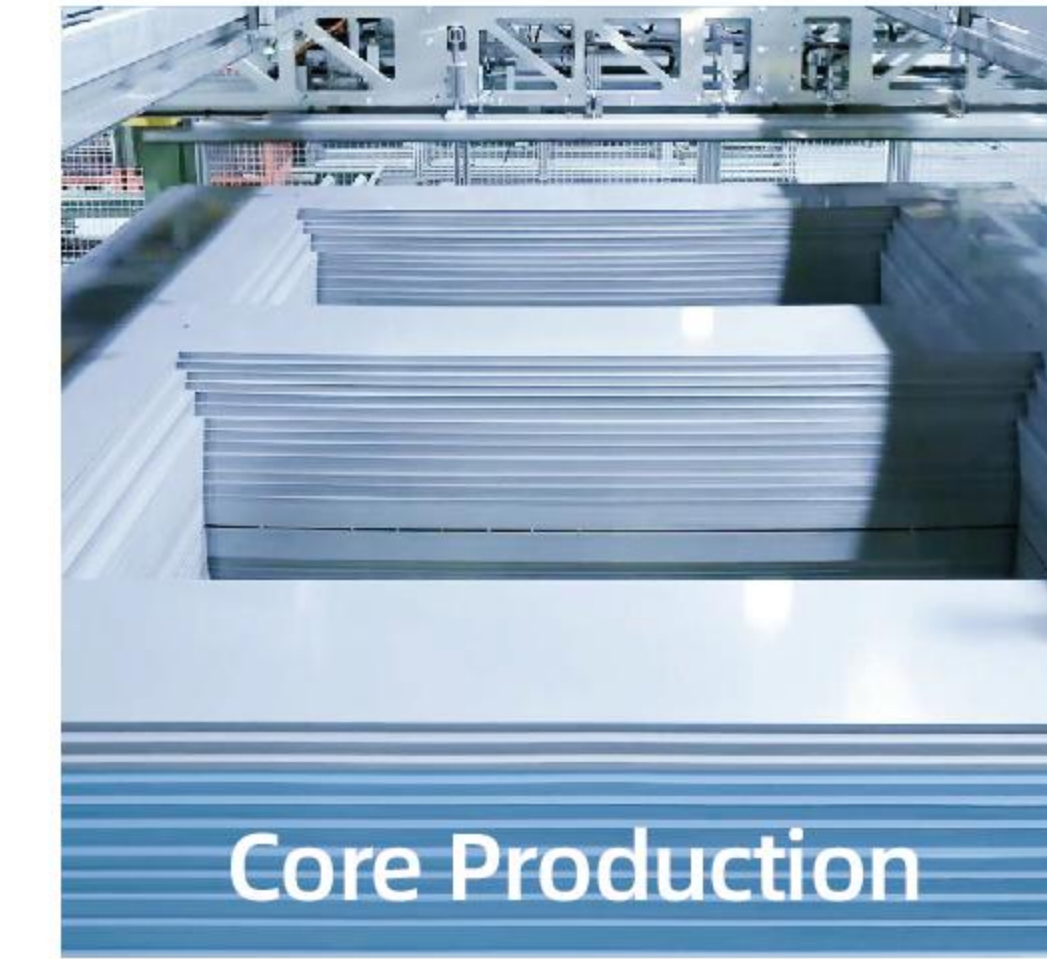
PTTX provides state-of-the-art products covering the whole value chain from grain-oriented electrical steel to transformer cores
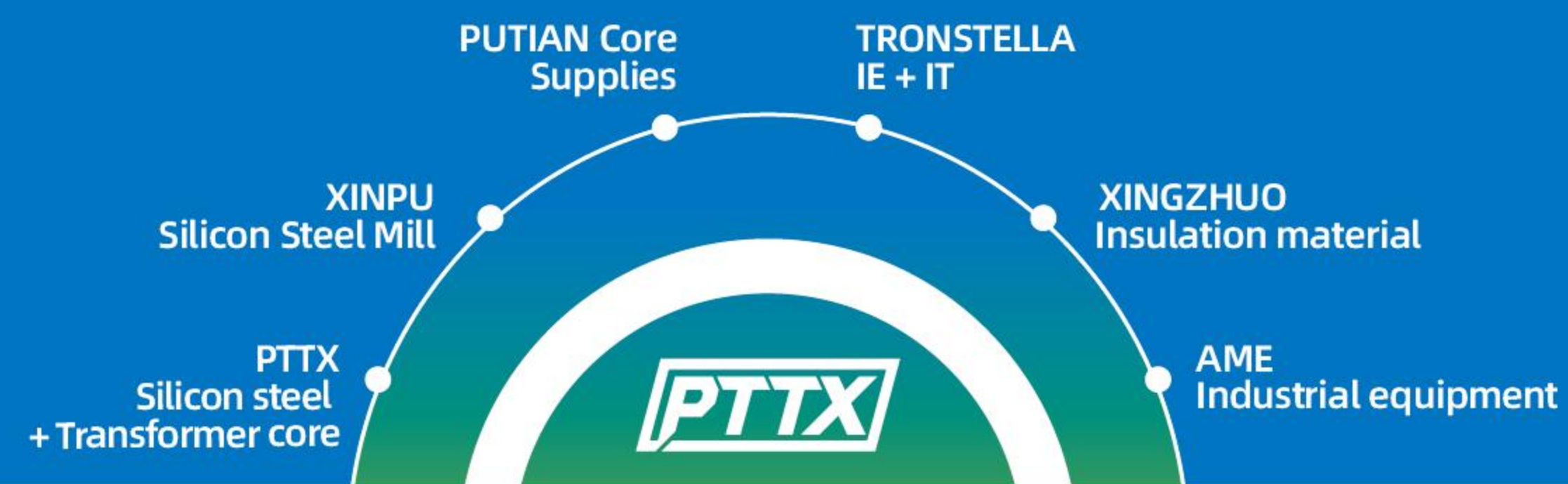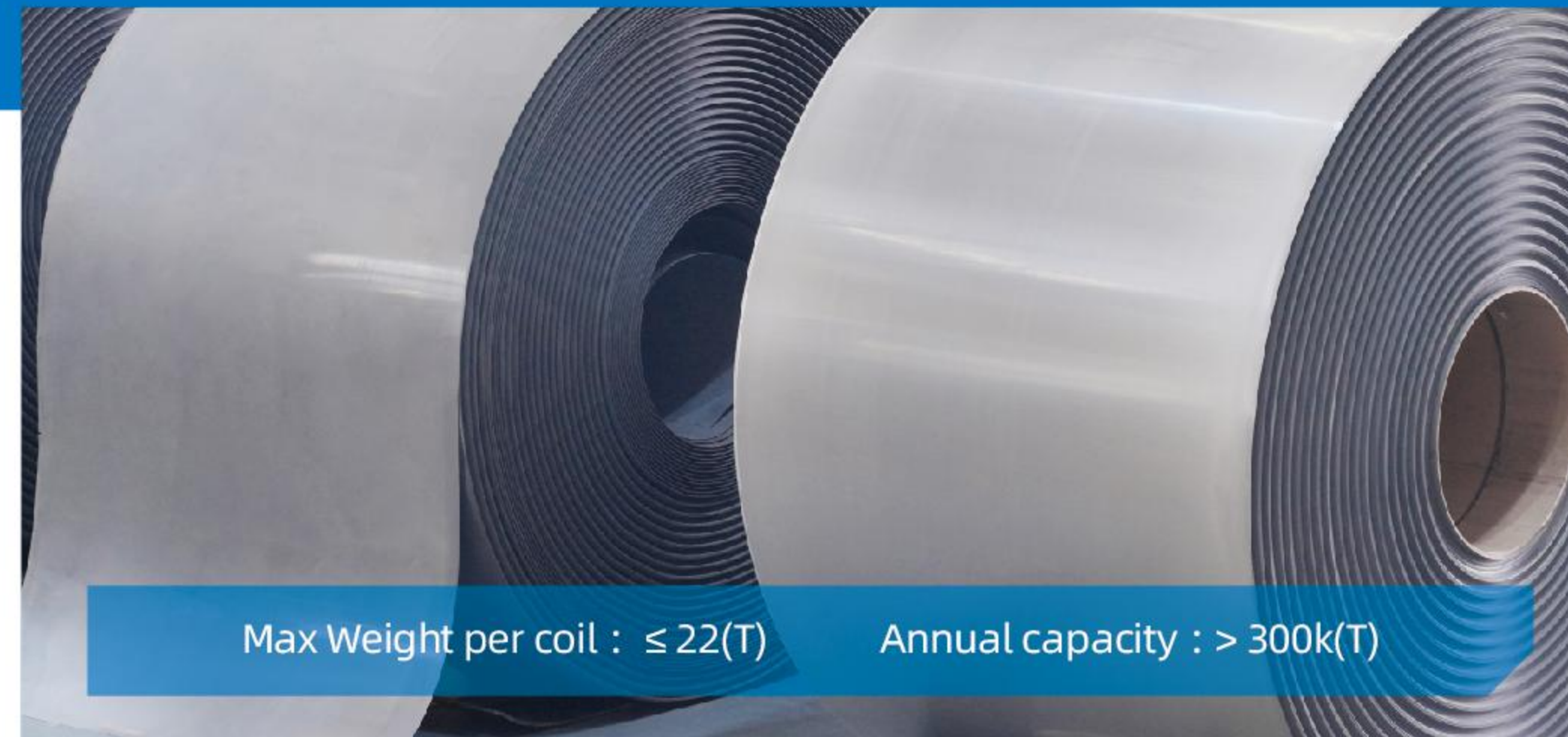
Steel Making

Silicon Steel Mill

Core Production

Transformer

PUTIAN Core Supplies

TRONSTELLA IE + IT

XINPU Silicon Steel Mill

XINGZHUO Insulation material

PTTX Silicon steel + Transformer core

AME Industrial equipment

PTTX

370+
R&D personnel

300K+
300,000 Tons of annual production and processing capacity

19
Years of focusing on transformer core manufacturing

260+
Global clients and partners

Sustainability

PTTX has been awarded the title of **GREEN FACTORY** by the government.

Company solid waste recycling is **100%**.

Emissions are collected by special hoods and treated with special filters.

CIRCULAR ECONOMY BENEFITS

REDUCE — Application weight, Raw materials, Energy, Waste, Cars, Packaging

REUSE — Rail tracks, By-products, Steel beams, Water, Car doors

RECYCLE — Buildings, Bridges, Office furniture

REMANUFACTURE — Machine tools, Engines, Wind turbines, Electric motors

Jobs, Efficiency, CO2 emissions reductions, Raw materials conservation, Innovation, Durable products

Series Product Solution of Slit Coils

Mother Coils
Length & Width according to PTTX

Max Weight per coil : ≤ 22(T)   Annual capacity : > 300k(T)

Mother Coils
Negotiable Length & Width

Max Weight Per Pallet: ≤ 5(T)

Slit Coils
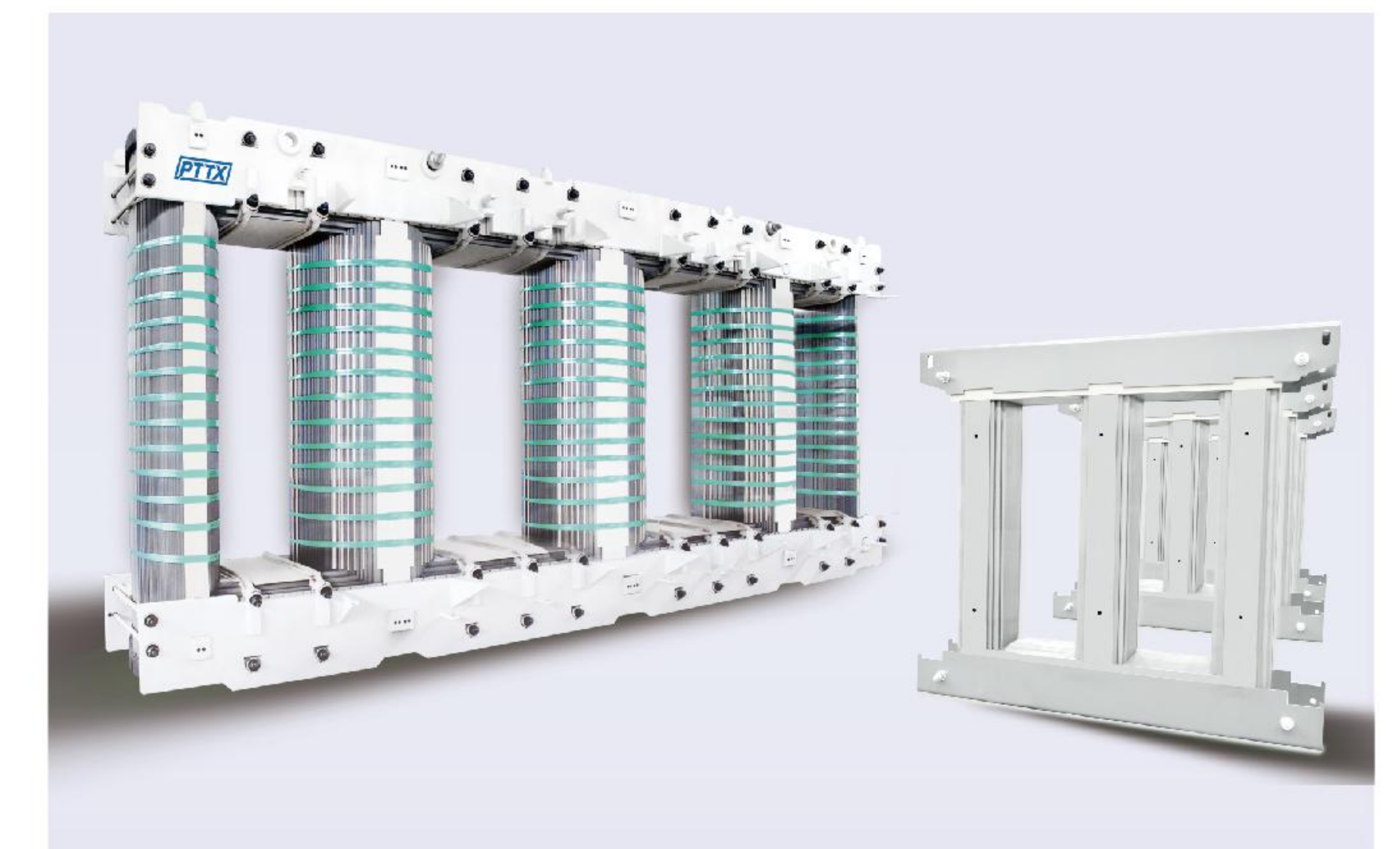Customizable Length & Width

Max Weight Per Pallet: ≤ 5(T)

Best Solutions for Transformer Core Products

Cut Laminations
Voltage Class: 10kV~1100kV

Sheet Width: 80-1000mm   Sheet Length: ≤6000mm
Max Weight Per pallet: ≤10(T)   Annual Capacity: >30k(T)

Fully Assembled Cores
Full range, from Distribution Transformers to Main Power Transformers.