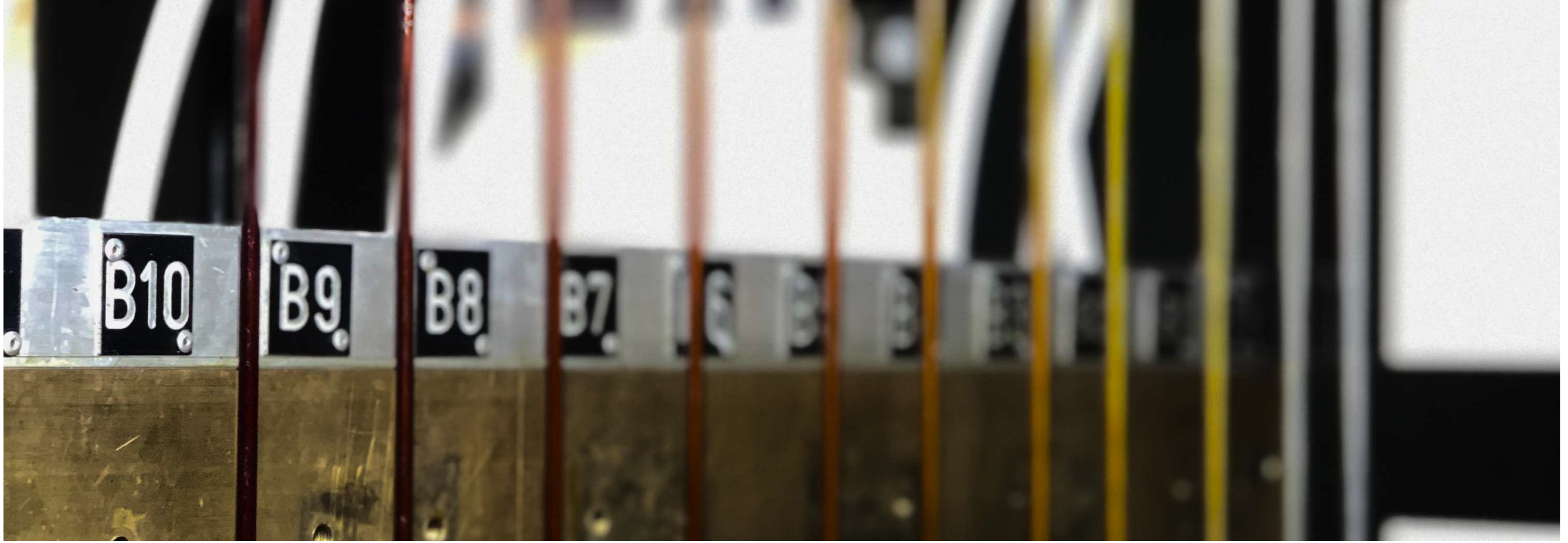


**Winding wires for
electrical machines**



About us

Base

Mega Elektro Kabel was founded in 2013 to meet the growing demand for winding wires in Central Asia. Soon after, we registered the “FENITEC” brand, which quickly became a local market leader and began expanding globally. Each winding wire produced in Uzbekistan reflects our dedication to quality and innovation.

Peculiarities

The FENITEC brand is distinguished by its use of cutting-edge manufacturing systems and advanced technologies. We've implemented self-monitoring processes to ensure consistently high standards in all our winding materials.

As one of the leading wire manufacturers in Uzbekistan, we take pride in producing modern industrial wires that meet strict international standards. More than just manufacturers, we are professionals who manage the entire production and logistics chain—setting new benchmarks through reliability and excellence.

10 years

ON THE MARKET

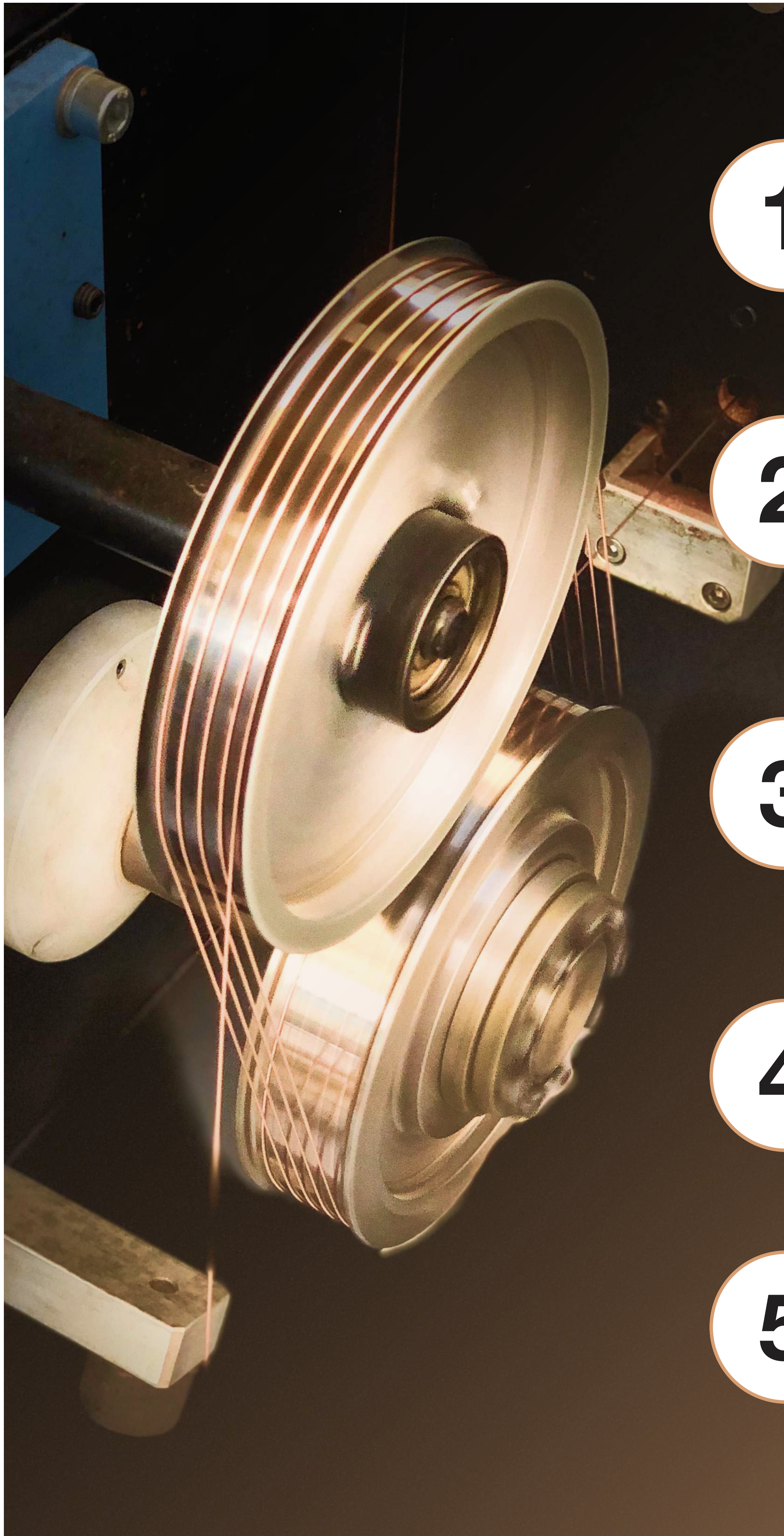
1500 tons

PRODUCTION CAPACITY
PER YEAR

40%

EXPORT VOLUME

To achieve and maintain the highest quality of products and services, the company strives to:



1

Continuous development of new products;

2

The use of unique and innovative technologies to solve issues;

3

Adopting advanced automatic control systems;

4

Providing first-class technical support;

5

Constant search for the best results in production systems.

Advantages of Partnering with Us

01

Guaranteed Quality

ISO 9001 certification ensures the highest product quality

02

Environmental Responsibility

ISO 14001 confirms our commitment to environmental protection

03

Workplace Safety

ISO 45001 guarantees safe conditions for employees and partners

04

Innovative Solutions

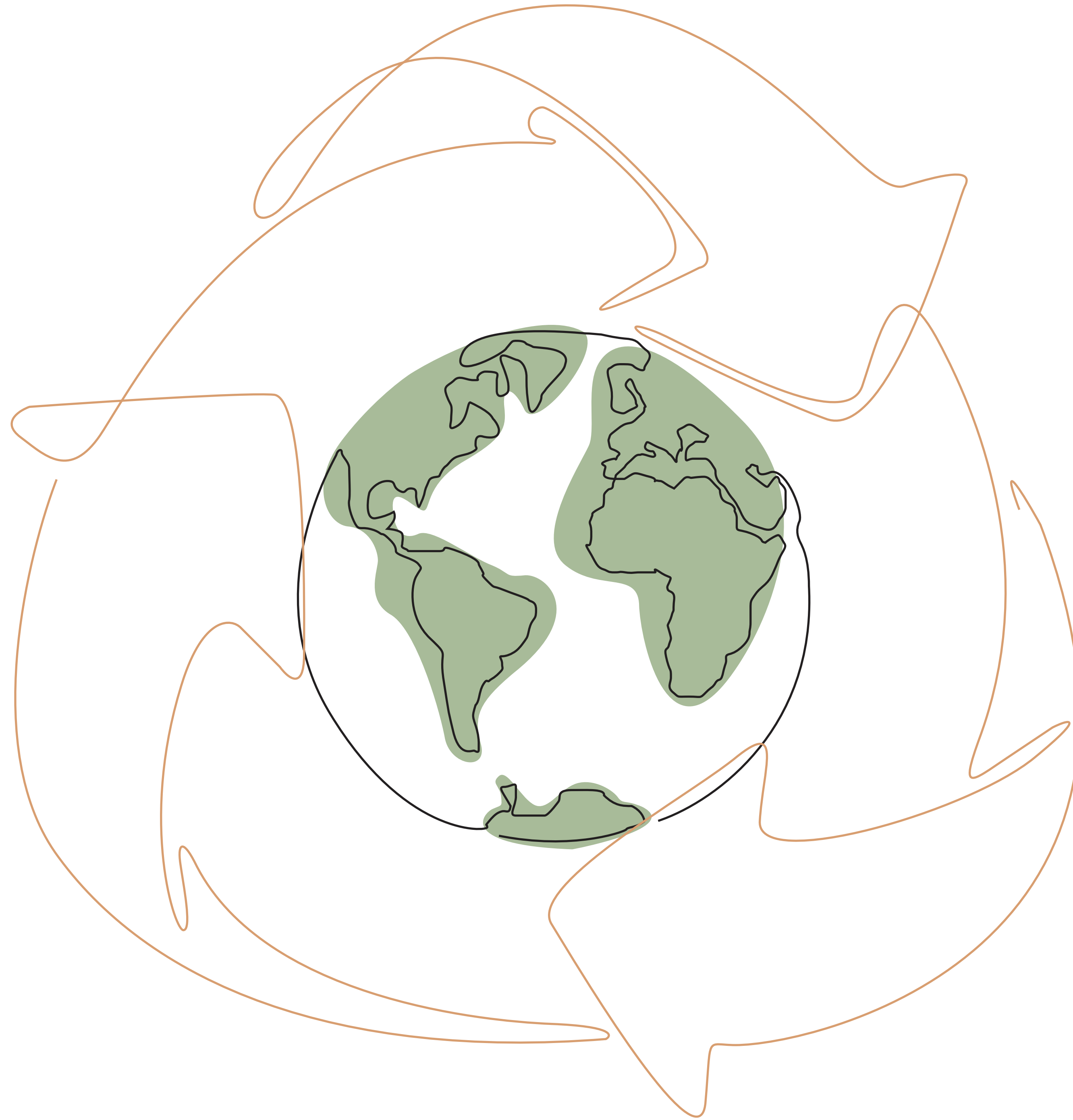
We continuously develop to offer the best winding materials

05

Global Supply

We deliver products not only across Uzbekistan but also internationally

Sustainability



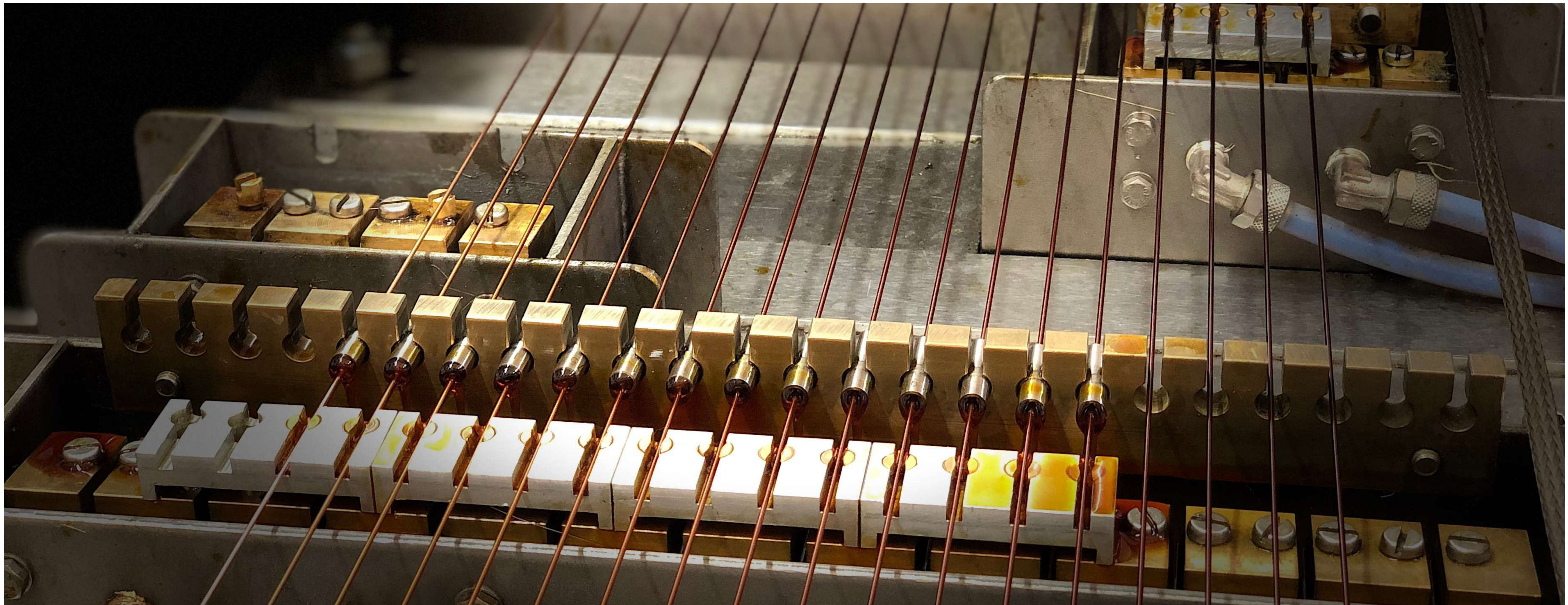
Our company is committed to reducing its environmental footprint. We recycle 100% of production waste, minimizing environmental impact.

We also operate our own solar power station, which supplies up to 30% of our energy from renewable sources, reducing dependence on traditional resources and lowering our carbon footprint.

In addition, we use reusable packaging for finished products, further emphasizing our commitment to sustainability and environmental responsibility.

By partnering with us, you choose responsible manufacturing and support for eco-friendly initiatives. Together, we can make a positive impact and create a more sustainable production process.

Built-in quality



The production of our round and rectangular copper and aluminum winding wires is based on modern technologies and strict quality control. We ensure continuous real-time monitoring of manufacturing processes, guaranteeing compliance with international standards.



The quality of the company's products comply with international and national regulatory documents such as:

- International Electrotechnical Commission IEC 60317;
- Interstate standard of the CIS countries - GOST R IEC 60317;
- National standard OzDst IEC 60317;
- International certifications ISO 9001, ISO 14001, and ISO 45001.

Products

FENITEC offers

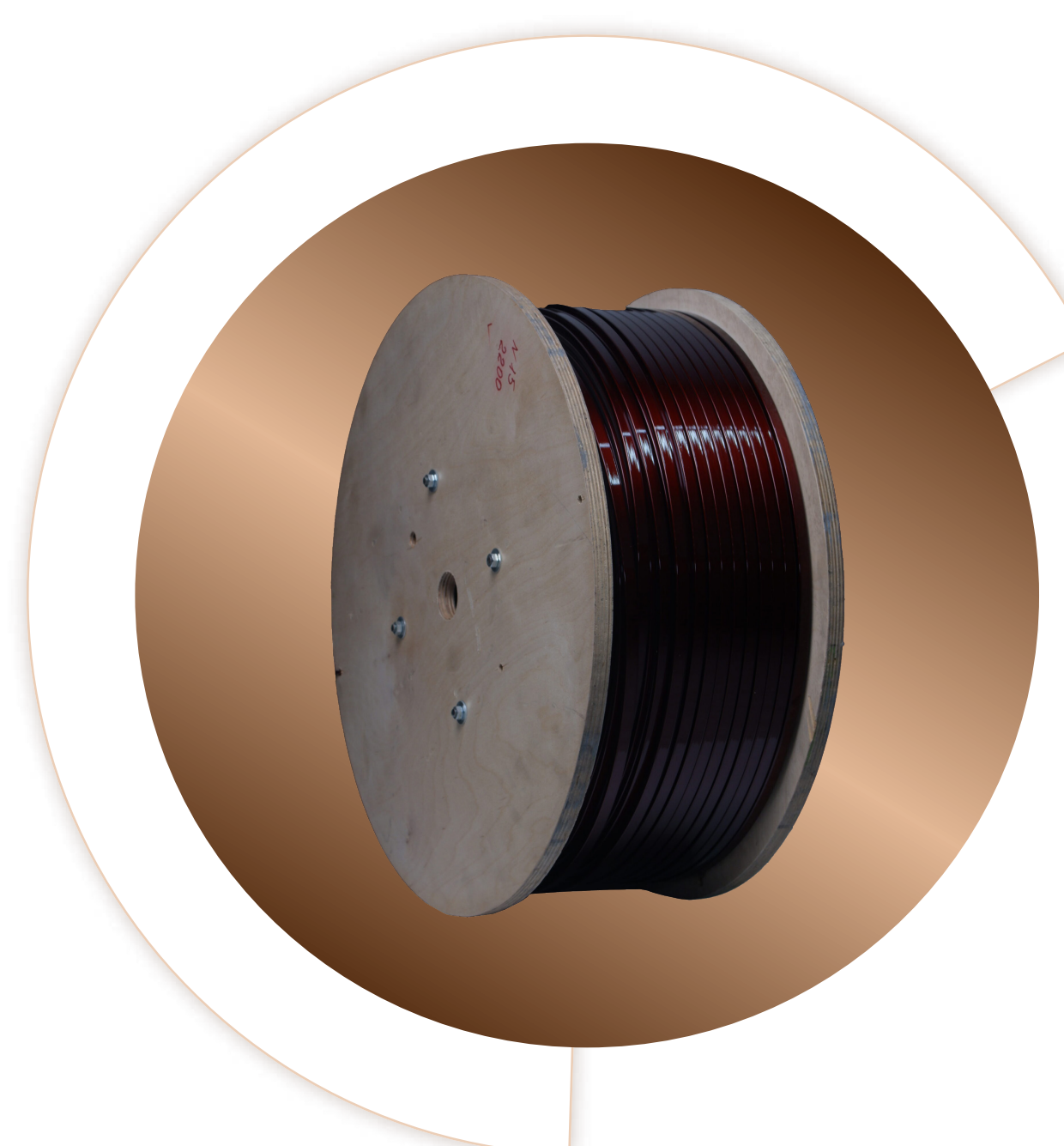


We offer a wide range of winding wires designed to meet the highest quality standards. Our copper and aluminum wires are used in various industries, ensuring reliability and long-lasting performance.

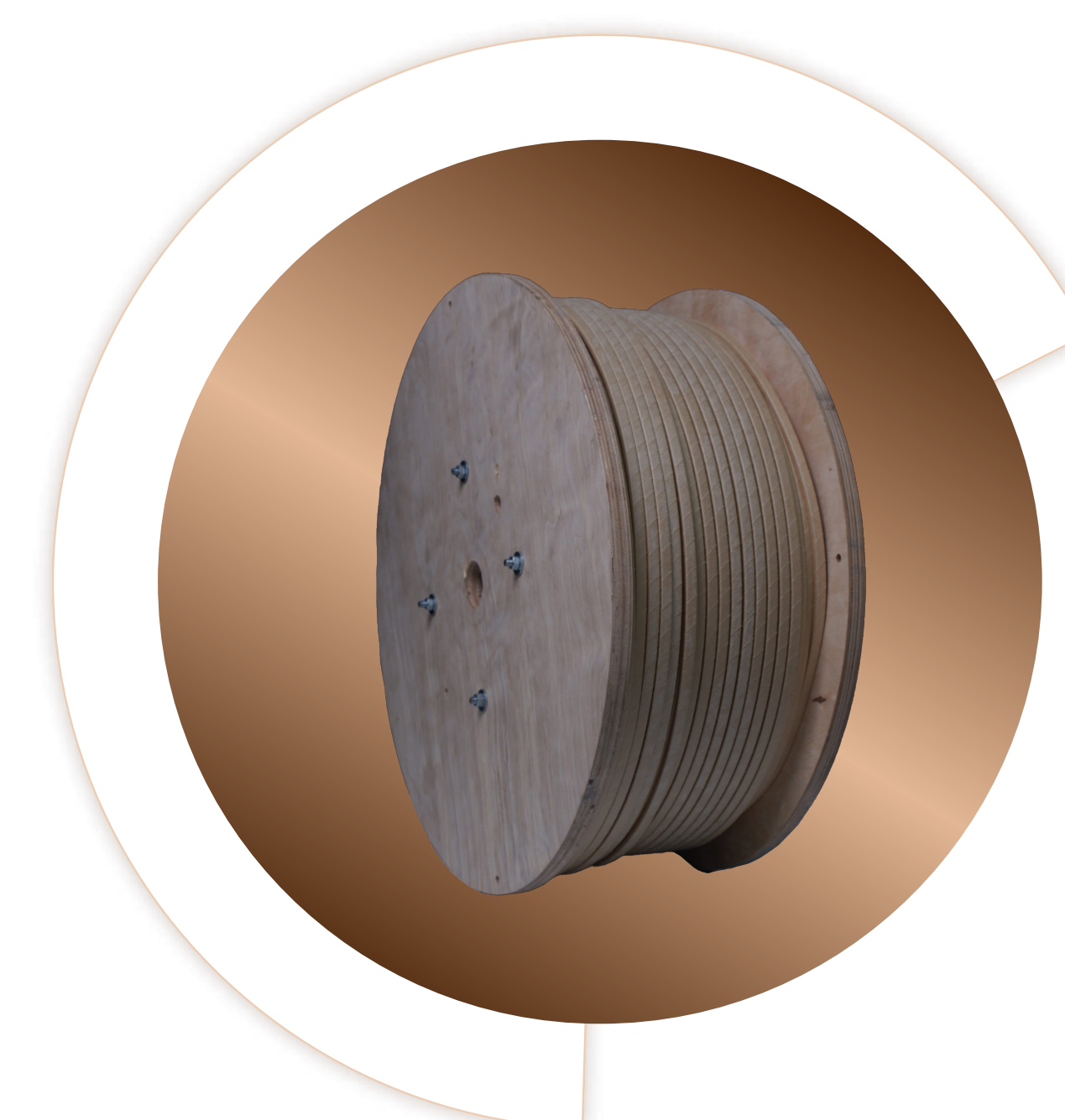
Whether you need wires for transformers, electric machines, or general industrial applications, we have the right solution for you. We understand the importance of high-quality winding materials for the industry and guarantee the excellent performance of each of our products.



Rectangular wire with paper insulation
from
COPPER / ALUMINUM



Rectangular Enamelled Wire
from
COPPER / ALUMINUM



Round enamelled wire
from
COPPER / ALUMINUM

Round enameled wire

Characteristics

Brand	PET -180	PET -200	PET -220
Conductor Material	Copper	Copper	Copper
Size Range	∅ 0,40 ÷ 3,0 mm	∅ 0,40 ÷ 3,0 mm	∅ 0,40 ÷ 3,0 mm
Chemical composition of insulation:			
Base coat	Polyester-imide	Polyester-imide	Polyamide-imide
Top coat		Polyamide-imide	
Thermal Class	180° C	200° C	220° C
Thermal shock 30 min	at 200°C Withstands	at 220°C Withstands	at 240°C Withstands
Breakdown voltage 25°C	> 5000 V	> 5000 V	> 5000 V
Standard	IEC 60317-8	IEC 60317-13	IEC 60317-57
Wire properties	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures
Wire application	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.

Rectangular enameled wire

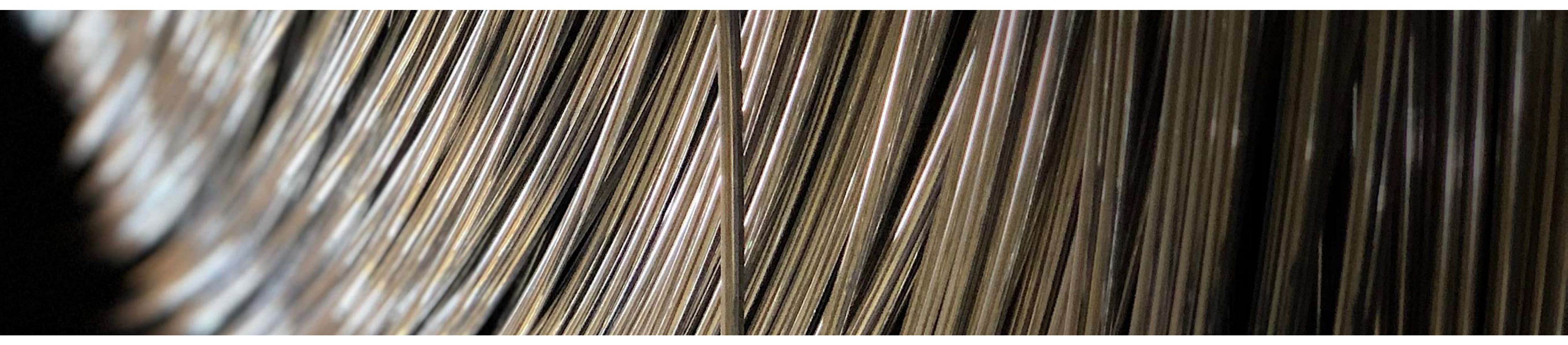
Characteristics

Brand	PETP -180	PETP -200	PETP -220
Conductor Material	Copper	Copper	Copper
Size Range	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm
Chemical composition of insulation:			
Base coat	Polyester-imide	Polyester-imide	Polyamide-imide
Top coat		Polyamide-imide	
Thermal Class	180° C	200° C	220° C
Thermal shock 30 min	at 200°C Withstands	at 220°C Withstands	at 240°C Withstands
Breakdown voltage 25°C	> 2000 V	> 2000 V	> 2000 V
Standard	IEC 60317-28	IEC 60317-29	IEC 60317-58
Wire properties	Very high resistance to thermal, mechanical, electrical and chemical impact.	Very high resistance to thermal, mechanical, electrical and chemical impact.	Very high resistance to thermal, mechanical, electrical and chemical impact.
Wire application	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.

Rectangular wire with paper insulation

Characteristics

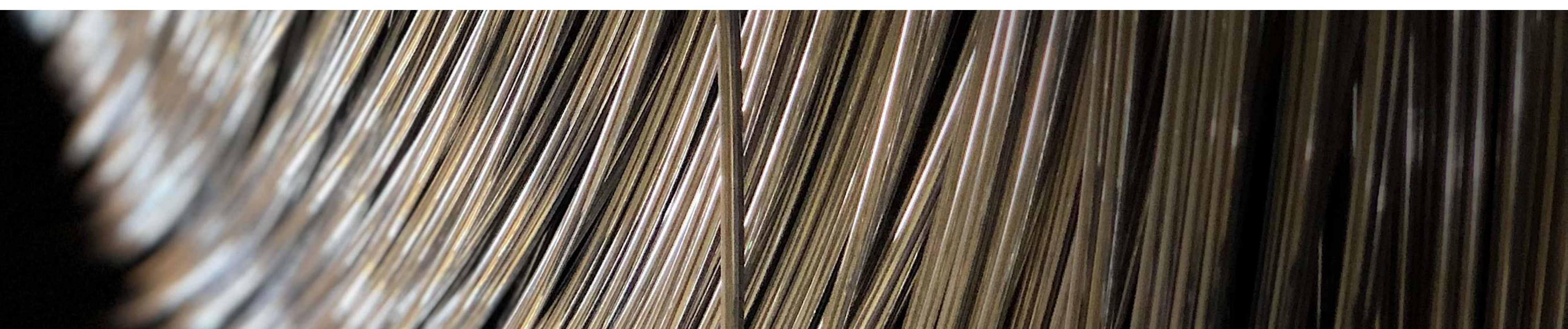
Brand	PB
Conductor Material	Copper
Size Range	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm
Chemical composition of insulation:	
Base coat	Kraft paper
Top coat	
Thermal Class	105° C
Standard	IEC 60317-27
Number of windings	From 1 to 8 layers
Wire application	Widely used in oil-filled power transformers..



Round enameled wire

Characteristics

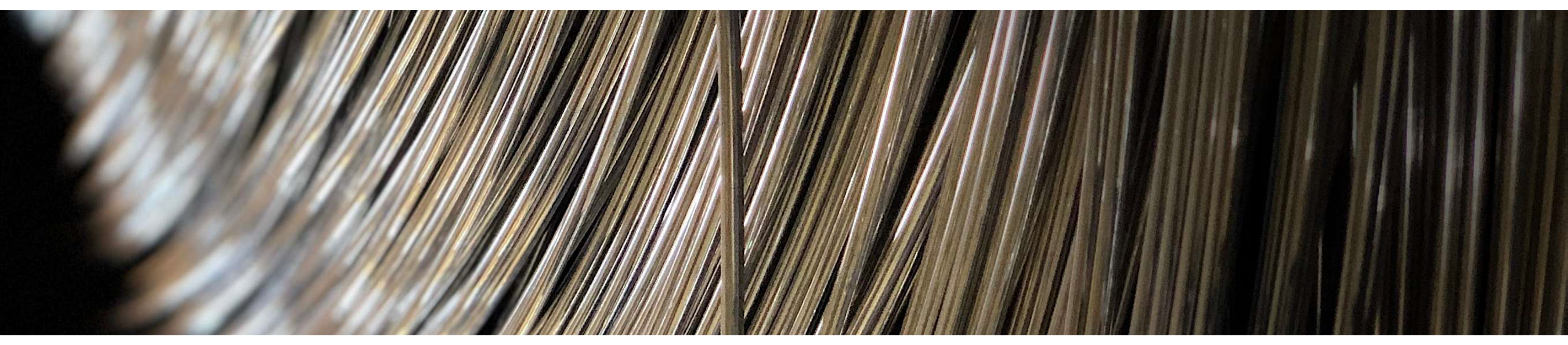
Brand	APET -180	APET -200
Conductor Material	Aluminum	Aluminum
Size Range	∅ 1,60 ÷ 5,50 mm	∅ 1,60 ÷ 5,50 mm
Chemical composition of insulation:		
Base coat	Polyester-imide	Polyester-imide
Top coat		Polyamide-imide
Thermal Class	180° C	200° C
Thermal shock 30 min	at 200° C Withstands	at 220° C Withstands
Breakdown voltage 25° C	> 5000 V	> 5000 B
Standard	IEC 60317-15	IEC 60317-25
Wire properties	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures
Wire application	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.



Rectangular enameled wire

Characteristics

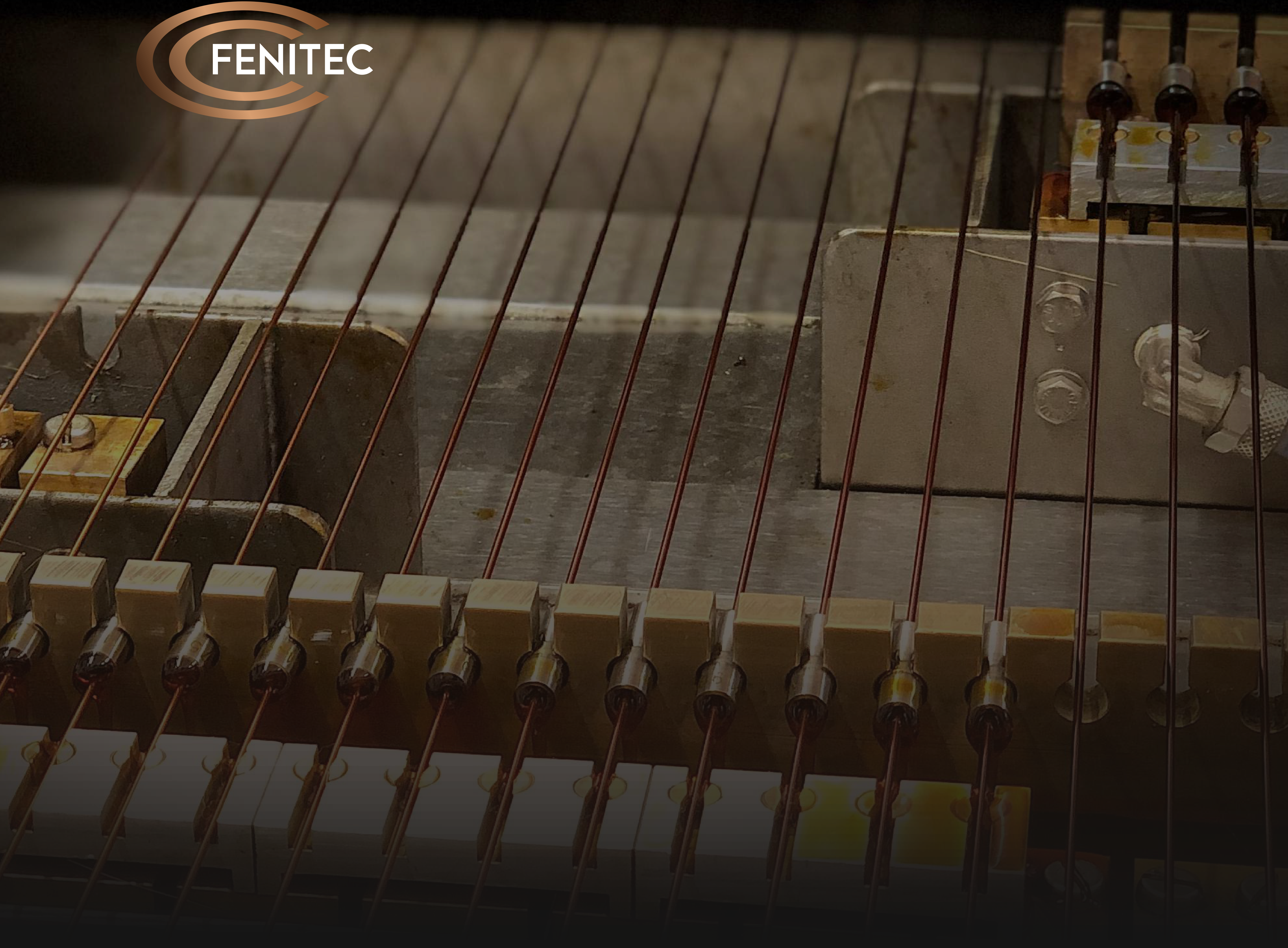
Brand	APETP -180	APETP -200
Conductor Material	Aluminum	Aluminum
Size Range	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm
Chemical composition of insulation:		
Base coat	Polyester-imide	Polyester-imide
Top coat		Polyamide-imide
Thermal Class	180° C	200° C
Thermal shock 30 min	at 200°C Withstands	at 220°C Withstands
Breakdown voltage 25°C	> 2000 V	> 2000 V
Standard	IEC 60317-74	IEC 60317-73
Wire properties	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures	Resistant to mechanical stress Resistant to solvent Resistant to transformer oils Resistant to high temperatures
Wire application	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.	Large and special electrical machines such as: generators, electric motors, dry-type transformers, inductors, etc.



Rectangular wire with paper insulation

Characteristics

Brand	APB
Conductor Material	Aluminum
Size Range	Thickness 2,0 ÷ 5,6 mm; Width 2,0 ÷ 16,0 mm
Chemical composition of insulation:	
Base coat	Kraft paper
Top coat	
Thermal Class	105°C
Standard	IEC 60317-27
Number of windings	From 1 to 8 layers
Wire application	Widely used in oil-filled power transformers..



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