Project Overview

Scope of Work

Manufacture and supply of RR insulation coils using Class F materials, designed for 13.2 kV applications.

The project was executed within a defined production timeline, ensuring quality delivery along with a performance guarantee.

Swipe to see technical specs and test plan

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Machine Details

BASIC INFORMATION ABOUT COIL & MACHINE

COUNTRY	MAKE	kW	VOLTS	AMPS	HZ	POLES	RPM	INS.CL
USA	ROBICON	9000	13200	351.3	60	8	893	F

Engineered to meet high-performance industrial requirements.

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Quality Assurance

Final Testing on Individual Coils

Each coil underwent rigorous testing procedures to ensure reliability and performance:

- Dimensional verification
- HV/HF interturn testing
- Surge comparison testing
- Tan delta & capacitance measurement
- Insulation resistance testing
- AC high voltage testing
- Surface resistance measurement
- Coil Resistance Measurement

Ensuring compliance with international standards andoperational safety.

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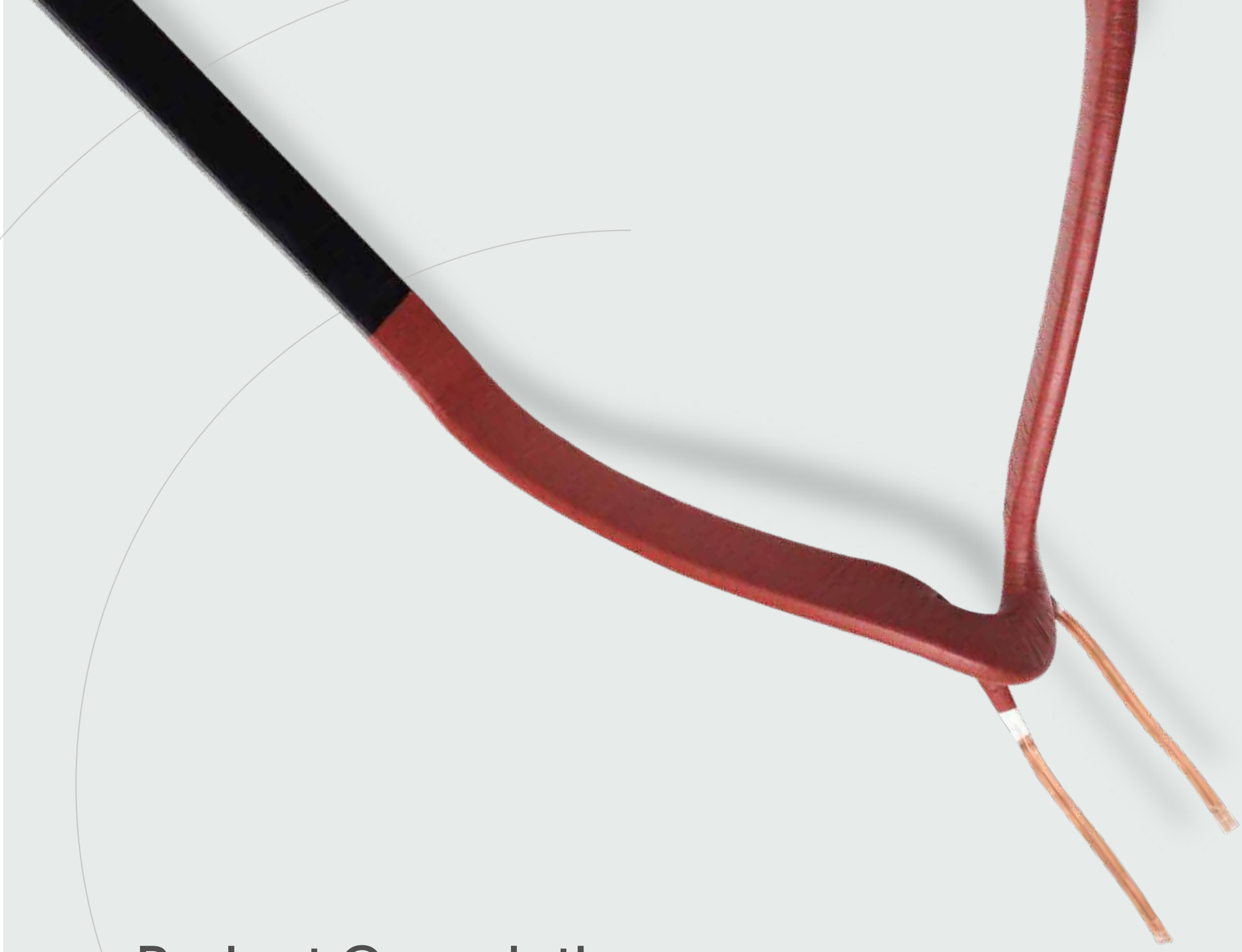
Process Excellence

Engineering Challenges & Solutions

Each coil underwent rigorous testing procedures to ensure reliability and performance:

- Addressed scrap joint issues in the overhang portion through specialized tooling during final consolidation
- Implemented left-hand skewed slot configuration (25.4 mm) for optimized performance

Focused on precision engineering and process control



Project Completion

Status

✓ Project successfully completed

Delivered with a commitment to:

- Quality
- Timely execution
- Performance reliability

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