

# *Sam Dong Europe*

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## **Processes**

The building of Sam Dong Europe has been constructed in 2017.

Before this an area of 3.5 ha in Kostrzyn nad Odrą has been bought from the Special Economic Zone KSSSE.

The building has a surface of more than 10,000 m<sup>2</sup>, giving room for equipment up to 12,000 MT and having expansion possibilities.

During the design of the building much attention has been paid to the most optimal routing and lay-out, based on the principles of Lean Manufacturing, and to conditions for a good housekeeping, such as several epoxy floors.



The first process is the drawing and rolling of ETP copper rod, produced by a well-known German supplier. After the drawing the surface quality of the wire is improved by a shaving process.

The brand new FUHR rolling mill produces rectangular wire with very close tolerances and a perfect spooling quality.

The enameling department with the enameling tower (25 meter high) counts 20 enameling lines and 6 annealing lines. These NTT lines come from Sam Dong America and have been revised and modified in Italy, in order to increase the process control of especially small wires. With rolled wire with close tolerances and a perfect surface quality and with applying fixed dies, Sam Dong Europe is ready for Ultra Thin Enameling (UTE).

In the CTC department we start with four CTC lines and a fifth line for twin CTC and CTC with small quantities per drum. All four CTC lines have the newest generation transposing heads, developed in Korea, enabling CTC with the shortest pitch lengths

possible. The maximum number of strands is 81 on the biggest CTC line and 49 on the second biggest line, both made in Austria.

The paper covering department counts one line for single, double and triple Paper Covered Wire. We expect to order two more lines on a short term.

The equipment for the in line and off line testing of our products is state of the art and approved by our key customers during homologation audits.



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***Sam Dong Europe***

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