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Unbeatable product properties and performance of Danieli's K-Spooler

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From the world's first in-line twistless bar winding machine in 2002 to the present, the key features in terms of maximum coiling speed, maximum coil size, and mechanical and metallurgical properties of the Danieli K-Spooler have improved tremendously.

Achievements have been made that were unexpected at the time. Maximum coiling speed of 40 m/s for 8 and 10 mm rebar, final coil size up to 8 tons, productivity of 200 tph with the installation of 4 spooler machines fed from a single rolling mill, in-line application of hardening and tempering, soft quenching and the patented martensitic-free processes.

Danieli, through continuous development and close cooperation with leading coil producers, has managed to achieve and maintain leadership on this product and process. The following article will present the main successes achieved and the important challenges still open for the near future.

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