Nucor Corp.’s new greenfield micro-mill in Sedalia, Mo., USA, entered start-up phase this winter and is ramping up production. The rebar mill, which has a nameplate capacity of 380,000 tons annually, can produce No. 4 to No. 11 rebar in straight lengths and in spools.

The mill is built around Danieli’s micro-mill technology, which allows steel to be melted, cast and rolled in a single, uninterrupted step. The plant includes a Danieli ECS® scrap pre-heating system; a side-charge, 40-ton AC electric arc furnace; a ladle treatment furnace; and a single-strand, high-speed continuous casting machine connected to a 16-stand ultracompact rolling mill.

Nucor placed the mill in Sedalia because it saw a logistical opportunity — rebar for the Kansas City and the upper Midwestern and Plains markets is currently shipped in over long distances. Also, the mill has access to a local and abundant scrap supply through Nucor’s scrap business, The David J. Joseph Co.

Nucor said the plant is receiving strong support from regional independent fabricators. The company also said it expects to complete a second rebar micro-mill in Frostproof, Fla., later this year.