

Press release – October 25, 2022

Fives provides integrated solutions to maximize productivity

Nucor Corporation, North America's largest steelmaker, chose Fives, an industrial engineering group, for a completely new packaging system and a cut-off for at their Nucor Tubular Product facility, located in Marseilles, USA.

Packaging System

Nucor Marseilles was looking to maximize the productivity and reliability of their mill while also increasing the safety of operators by moving away from manual packaging and strapping techniques.

Fives will provide Nucor Marseilles with a new Taylor-Wilson packaging system from the run-out all the way to the distribution of the bundles. This new packaging system will be capable of packaging tubes from 18' to 80' long with wall thickness up to 5/8" and mother tubes up to 12^{3/4}".

Fives partnered up with ITIPACK to provide the best solution for Nucor Marseilles. ITIPACK will supply an automatic strapping mechanism while Fives provides the handling and bundling solutions. These automated systems will increase safety of operators by removing the need to handle tube by hand and will maximize the overall productivity and reliability of the mill exit.

"Our proven technical expertise and finishing solutions gave Fives the upper hand in this project. The long-standing relationship between Fives and Nucor was an added benefit, as Nucor already has trust in our solutions," says **Ricardo Sierra, Vice President of Sales & Marketing at Fives Bronx, Inc.**, a subsidiary of Fives, which specializes in mill and finishing equipment. "This technical expertise and our hands-on support will continue to be what makes Fives the best partner," he adds.

Cut-off for 12K Abbey mill

Following the success of the new packaging system order, Nucor Marseilles also chose Fives to put in a new cut-off for their 12K Abbey mill, which was originally installed for structural applications.

This new cut-off will be a multi-mode cut-off machine which allows for improved quality cuts while maximizing the cutting speeds. With the packaging system and cut-off being installed by Fives on the same mill, this became a great opportunity to implement them together and create an integrated solution.

Fives will also be upgrading the Transition Beam System (TBS) on the 12K Abbey mill at Nucor Marseilles to support their current market requirements of 0.630" max thickness for HSS tubing. TBS is an optimized forming system capable of improving the forming process for a large range of tube sizes while also minimizing tooling costs and reducing changeover times.

Fives is looking forward to working with Nucor Marseilles on these various projects, as well as working with Nucor's greenfield sheet mill in West Virginia, USA, to install two new galvanizing lines which will be operational in 2024 – [more information](#).

About Fives

As an industrial engineering Group with a heritage of over 200 years, Fives designs and supplies machines, process equipment and production lines for the world's largest industrial players in various sectors such as steel, aerospace and special machining, aluminium, automotive and manufacturing industries, cement, energy, logistics and glass. In 2021, Fives achieved €1.7 billion of sales and employed close to 8,000 people in 25 countries.

In the steel industry, Fives offers process expertise, ground-breaking technologies and digital tools, supporting steel and tube manufacturers' ability to achieve the ultimate in performance excellence, including:

- Customer strategic development support
- Ultra-low NOx reheating furnaces
- Advanced cold rolling mills
- Complete strip processing lines for carbon (including AHSS and UHSS), stainless and silicon steel
- Unique transverse flux and longitudinal induction heating technologies
- High-quality ERW tube mills and finishing equipment
- A full range of services: process optimization, upgrades, modernization, training and maintenance assistance

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