# Siemer Milling Company: North America's most advanced mill.

A showcase for the latest milling technology.

The expanded flour mill of the Siemer Milling Company in Hopkinsville, Kentucky.

**Facts**

Buhler has accompanied the growth of the Siemer Milling Company for almost 50 years and was entrusted with designing and building the first facility in Hopkinsville with a capacity of 350t/24h. It was to be based on a state-of-the-art, space saving process flow chart and to be equipped with the latest Buhler machinery and system components. When it officially opened in 1995, the Siemer A Mill was acknowledged to be the most advanced flour mill in North America. A short time later, in 1998, a B Mill was added, with a processing capacity of 120t/24h. At the same time, the capacity of the A Mill was increased to 400t/24h. "Continuous growth prompted us to add another 300 metric tons a day to our milling capacities in Hopkinsville," says Vernon "Red" Tegeler, Vice President of the Siemer Milling Company, explaining the thoughts that lead to the construction of the C Mill.

**Challenge**

Beside adding to its capacities, Siemer was also pursuing other ambitious goals with the new mill. "We wanted an essentially automated mill that would be easy to operate, energy-efficient, and capable of meeting the most rigorous standards in terms of sanitation and food safety. And ultimately, our intention was to apply the latest process technology by then. In order to achieve these goals, we entrusted Buhler again with supplying us with a new mill boasting the newest machines and systems," summarizes Vernon "Red" Tegeler the goals. Richard Siemer, President of Siemer Milling, adds another one: "In addition to all these commercial targets, we also wanted to create a showcase facility with our new mill. Anyone familiar with the grain milling business must be overwhelmed when they enter our new plant – by its technology as well as its efficiency."

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# Showcase C Mill.

**Approach**

While the A and B Mills continue to provide outstanding performance, the C Mill has a different flow. The new mill features two double-high and 11 single-high rollstands and a highly effective cleaning house, driven to a large extend by Buhler Sortex color sorter technology. The entire mill is completely automated using Buhler's WinCoS.r2 software which is characterized by its high product safety and data security. Besides, the order comprised the transfer of the finished products to the bulk storage or loadout bins plus the rail and road loadout systems.

**Goals achieved**

- Highly efficient single-flow concept.
- Boost the daily processing capacity.
- Minimizing the energy consumption.
- WinCoS.r2 process control system allows operating the additional plant by the existing workforce.
- High operating convenience and low operating costs.
- Maximize sanitation standards.
- Achieve unrivaled food safety.
- Use advanced color sorter technology.
- Satisfy the local requirements and conditions.

**Project details**

- $15 million project.
- C Mill: 300t/24h (A Mill: 400t/24h, B Mill: 120t/24h).
- 12 month construction time.
- A and B Mills were running without interruption.
- The C Mill went into production in March 2010.

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