

## Metal Fabrication — MES Integration Pilot Project Rollout

*Pilot Project Rollout — Unattended Installation*

- ✓ MES (Manufacturing Execution System)
- ✓ *BCI SCHEDULER™*
- ✓ Pilot Project Rollout

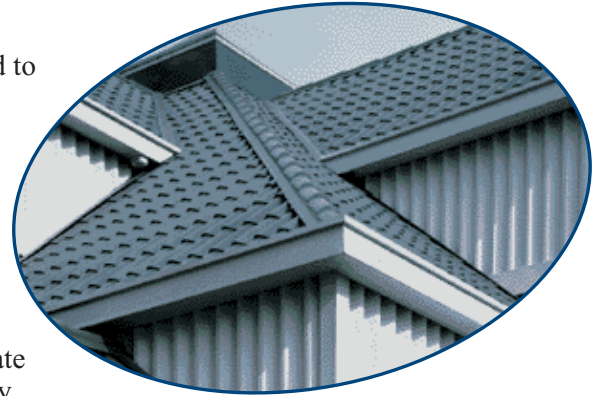
Metal Sales Manufacturing  
Nashville, TN

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### Project Summary

Bachelor Controls, Inc. (BCI) was recruited to provide an efficient solution to managing production orders for Metal Sales Manufacturing Corporation in its Sellersburg, IN headquarters. The pilot project incorporated three types of roll-forming lines controlled by ASC Machine Tools' CNC-500 Generation 3 controllers. This pilot project will then be rolled out to each of the 19 existing plants and incorporate other host controllers, such as The Bradbury Company's CTC controllers.



The first rollout of the *BCI SCHEDULER™* system for Metal Sales was performed in its Nashville, TN facility. This facility operates three ASC-controlled roll-forming lines of various types. The rollout was designed to be performed using only BCI documentation and software provided to Metal Sales. Startup services were provided by Metal Sales personnel.

### Startup Objectives / Requirements

The system was designed to be rolled out by the end user, including the following criteria:

- Startup performed by technicians with no formal training on SQL Server, general knowledge of Microsoft Windows 2000 or networking
- Database creation and initial data provided using SQL scripts and step-by-step instruction
- Applications installed from CD provided by BCI
- User manuals and training documentation copied and reused from the pilot installation
- Configuration of line communications set up by Metal Sales technicians
- Import and export configuration set up by Metal Sales technicians

*We are very happy with the performance of the system.*

Gary Martin  
Former VP of Manufacturing

### Results / Benefits

The Nashville facility was set up, trained, and operational in less than two weeks. Relying on the skills of its own personnel and the experience of the pilot project participants to provide all support, Metal Sales required less than 30 minutes of support time from BCI specialists.

*BCI SCHEDULER™* uses a modular approach to providing services. As the product is rolled out into the other plants, the product is modified to include features and strengths of each facility. The Nashville branch gained the structure and paperless system used by its headquarters to improve plant efficiency and organization. Using the *BCI SCHEDULER™* licensing model, the plant received this benefit at a fraction of the cost it would have normally incurred.

