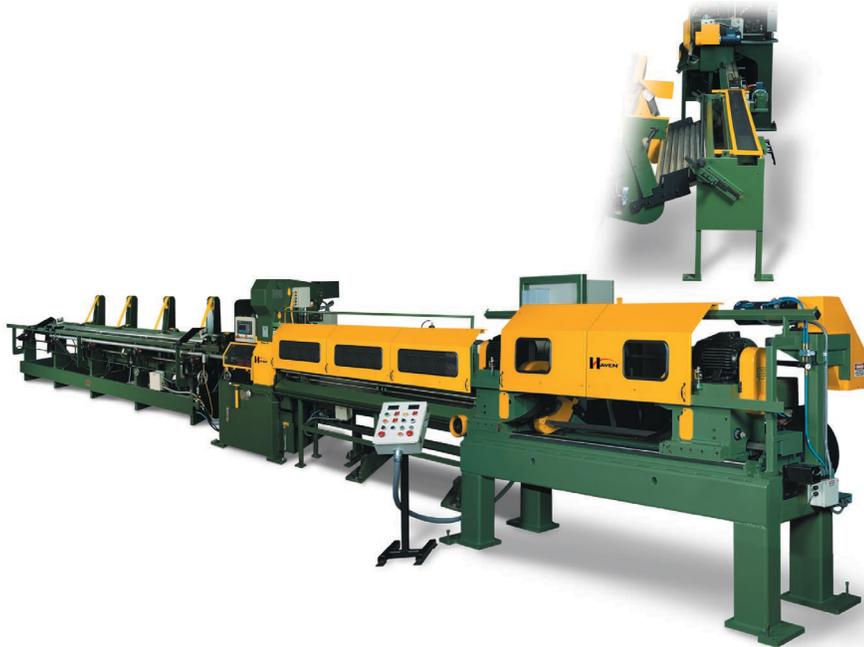




*“Our Haven machines give us the accuracy and speed we require.”*

Sidney Bennett, Manufacturing Engineer, Super Sagless

## Super Sagless benefits from speed, reliability and fast changeover to drive down costs



### Background

Super Sagless bases its business on providing cost effective solutions, delivered according to their customers' JIT requirements. However, they also must keep their own costs to a minimum while still insuring they have the resources to cost-effectively satisfy their customers' accuracy standards. Prior to obtaining their Haven systems, Super Sagless had been using a few older cutting systems from a Haven competitor. But, according to Sidney Bennett, Manufacturing Engineer at

Super Sagless, in order to fulfill their commitments to their customers, Super Sagless had to bring their tube cutting inside and they needed a system that would enable them to keep up with the throughput demands of their customers – and he knew his older machines could not meet these requirements. And, Super Sagless had to do all this while still maintaining their own efficiency so they could achieve the margins they required.

### INDUSTRY

Tube fabrication

### HAVEN APPLICATIONS

Dual-Blade Shear Tube Recut

### SUMMARY

Super Sagless, part of the multinational Leggett & Platt corporation, processes steel tubes from several tube mills within L&P's Steel Tubing Division. Most of Super Sagless' final products are destined for the general furniture business, to include the residential (bed frames, chairs, etc), commercial (office furniture, bookcases, etc plus medical products), and industrial (storage shelves, racks, etc) segments. In addition, Super Sagless customers also include automotive manufacturers who use their tubes in vehicle seats and other applications. Most projects use high quality, low cost tubing and focus on JIT delivery and emphasize cost-effective solutions to help their customers maintain their competitiveness in their increasingly challenging and fast changing marketplaces.

### About Super Sagless

Headquarters  
Tupelo, MS

### Line of Business

Produces steel tubing for residential, industrial and commercial furniture manufacturers and for specific automotive applications

### Target Markets

Furniture and automotive manufacturers

### Haven Customer Since 2007

### Haven Products in Use

- Dual-blade Shear Recut
- Sorters
- Loaders

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*“We are transferring all of our tube cutting volume to Haven’s machines and we expect to achieve additional savings”*

Sidney Bennett, Manufacturing Engineer, Super Sagless



## Challenge

Super Sagless used to obtain all the tubes they needed for their production from a sister company. However, this supply system was proving to be more and more inefficient and Super Sagless wanted to cut and process all their tubes internally to avoid the extra cost of first cutting longer tubes at another location and then final processing at their plant. According to Sidney Bennett, bringing the cutting and end finishing operations in-house would not only allow Super Sagless to economize by buying raw tubes in longer lengths, it would also let them increase their responsiveness by controlling the mix of tubes they processed.

Prior to buying the 2 Haven dual-blade shear cutting systems they now own, Super Sagless had been using some older cutting machines from a Haven competitor. These older machines could not achieve the volume of production they wanted, and at 10 years old, they were already proving to be less reliable than Super Sagless could accept. As their sister company was changing their own internal processes, the older cutting machines were no longer required by anyone – this was a perfect opportunity to invest in new equipment tailored to the specific requirements of Super Sagless.

Because of the wide variety of parts produced, Sagless needed a cutting system that not only met their demands for speed and accuracy, but it also had to have fast change-over time. This would support Sagless’ objective of processing a wider variety of tubes while also maintaining productivity.



## Haven Solution

Super Sagless decided to purchase 2 Haven 873 Dual Blade Shear tube recut machines because of the Haven machines’ ability to satisfy their very high volume. Because Super Sagless emphasizes JIT, they needed a recut system that would allow them to keep up with the throughput requirements dictated by their customers’ delivery schedules. Of course, machine availability is critical to JIT performance, and Bennett says that his Haven systems have better uptime than his previous equipment and they are easier and quicker to changeover to new applications, allowing them to efficiently handle short production runs when necessary.

### HIGHLIGHTS

- Super Sagless can now cut longer length tubes internally rather than using more expensive pre-cut tubes, improving their throughput as well as reducing their scrap.
- The ability to control their product mix now gives Super Sagless the flexibility to accept jobs they previously had to turn down.
- System changeover times have been reduced by as much as 65%.

In addition to greater throughput due to faster cutting cycles, shorter changeovers, and increased uptime, they are also seeing improved accuracy – and the Haven systems have proven to be much more reliable than Super Sagless’ previous tube cutting devices. Bennett said “with the Haven machines, we not only get increased speed, we have also greatly improved our accuracy and quality”.

## Benefits and Future

One of the big selling points for Sagless was the fast changeover time of the Haven systems. Instead of the 30 to 45 minutes they needed to change set-up on their older machines, the Haven systems require only 15 minutes, and it is a much simpler operation. This extra time saved now can be used to cut more tubes, increasing the throughput of the operation and significantly improving their ability to manage the mix of tubes processed. This increased throughput and faster turnaround time mean that Super Sagless can now accept a wider variety of jobs than before.

Although machine uptime was not identified as a concern affecting the purchasing decision, Bennett says that Super Sagless is very satisfied with the Haven reliability. In fact, he plans to transfer all their tube cutting to the Haven machines and he expects even greater savings and improved uptime when he makes this switch.



## Integrated Tube Processing Systems