

Durable and Reliable Workhorses

Two Standard Horizon BQ-470 Perfect Binders are used daily to handle the shorter runs at TPS. The BQ-470 can bind books up to 2.5" thick and supports interchangeable glue tanks for both EVA and PUR adhesives.

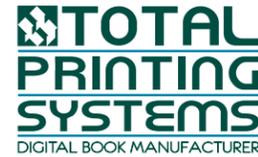


Two HT-70 Three-knife Trimmers (far right) round out the book manufacturing process with automated trimming of the perfect bound book blocks. For runs exceeding 700 books, Total Printing Systems employs the Standard Horizon CABS 4000 Perfect Binding System (near right), which can produce up to 4,000 finished books per hour in one process.



Maximizing book production efficiency in Newton, IL

Total Printing Systems Leverages Horizon, Hunkeler Reliability for Book Printing Productivity.



Offset stack capability is key and in-line operation assures high quality results.

Like so many family-owned printing companies, Total Printing Systems of Newton, Illinois started its life as a small commercial printer. Richard Lindemann Sr. founded the company in 1972 as an

and finishing consists of Horizon and Hunkeler equipment," said Rick Lindemann. "While we keep our eye on what's out there in the market and do our own pre-purchase research, we have

make sure we understand the overall equipment design, and we acquire the necessary training to self-maintain. This keeps our downtime to a minimum. Robustness and reliability are key for us, and Hunkeler and Horizon have not disappointed in that regard."

Total Printing Systems runs two Hunkeler Roll-to-Stack configurations in-line with its Screen Truepress Jet520 production inkjet presses to efficiently produce book blocks. Each system includes the UW6 Unwinder, CS6-II Rotary Cutter with chip-out, SE6 Offset Stacker, and LS6 non-stop stacker. For TPS, the offset stack capability was a key factor in the decision, and in-line operation was a natural fit to assure the highest quality results. Lindemann reports that the Hunkeler systems have allowed them to meet tighter customer deadlines, lower paper waste, and reduce downtime.

The company also operates several

Horizon perfect binders to finish the neatly stacked book blocks coming off the Hunkeler lines, including two BQ-470 Perfect Binders and one BQ-270 Perfect



The team at TPS reviews the offset stacks being delivered for perfect binding from one of two Standard Hunkeler Roll-to-Stack Systems.

Binder to handle the shorter runs. Two HT-70 Three-knife Trimmers round out the book manufacturing process with automated trimming of the perfect bound book blocks. For longer runs, the company employs the Standard Horizon CABS 4000 Perfect Binding System, which can produce up to 4,000 finished books per hour in one process. With automated setup, easy operation, and minimal operator training required, these systems have proved invaluable at TPS.

that will take more than a half hour to produce on the BQ-470s, which is typically anything over 700 units, goes to the CABS 4000 line."

Lindemann pointed out that since the 2008 recession, almost all of the publishers the company works with

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have begun looking more closely at inventory levels. This has driven increased interest in short-run print on demand

books in order to reduce waste in the supply chain, which can be as high as 40% in a traditional book manufacturing process where large inventories are produced in a single run. "This shift has also resulted in reduced turnaround times – they want books fast!" he added. "And a lot of what we ship goes directly to book stores now, rather than their warehouses. It's been a big business model shift – for us and for them – but our partnership with Standard has helped us meet those needs and stay

"Our BQ-470s are terrific machines that we use every day. They can produce about 800 books per hour," Lindemann explained. "And that's great for shorter runs. We do some one-off print on

competitive and profitable with a broad portfolio of binding solutions." Lindemann reports that average turn times are five to seven days, though some work is produced same day or next day. "Without extremely reliable finishing equipment, we could never meet those deadlines, and that's why our partnership with Standard has been so important to our business."

In addition to books, the company also produces a range of booklets using the Standard Horizon StitchLiner 5500 Saddlestitcher. "Reliability and automation is important here as well," Lindemann said, "since we still do a number of booklets of various sizes. While saddlestitching once comprised more than half of our print volume, the

advances in perfect binding adhesives, especially PUR, has reduced

the volume of saddlestitched work to about 15 to 20 percent of our total print volume. We produce many educational workbooks, training manuals, and religious pamphlets using our StitchLiner 5500. When a customer is looking for the lowest cost on a smaller page count bound booklet, saddlestitching fits the bill perfectly, and our StitchLiner 5500 lets us produce them quickly and cost-effectively."

As Total Printing Systems continues to grow, Lindemann is exploring new offerings from Standard and others. In fact, he recently attended Hunkeler Innovationdays in Lucerne, Switzerland to do just that. "Next on our list is a solution that can efficiently bind lightweight Bible stock," he says. "Hunkeler Innovationdays is a great place to see all of the latest solutions in action, and our visit there certainly helped us understand the possibilities! I'm looking forward to going back in 2019."



President Rick Lindemann of Total Printing Systems stands beside their Standard Horizon StitchLiner 5500 Saddlestitcher, which is used to produce a wide range of booklets for customers whose needs include educational workbooks, training manuals, and religious pamphlets.

offset printer producing business cards and letterhead. Over the years, he evolved the business into printing forms, and then books, which is the company's primary business today.

found Standard to be a great partner over the years, and we have had a good experience with Horizon and Hunkeler equipment."

In September 2016, Lindemann Sr. headed off to Florida and sold the company to his son Rick. "At this point, pretty much our entire plant's bindery

The strategy at Total Printing Systems is to acquire durable, reliable equipment that they can basically maintain themselves. "This is important due to our remote location," Lindemann says. "We

