

Wohlenberg Three Knife Trimmers - Since 1946

Wohlenberg, manufactured in Verden, Germany, has been producing Perfect Binders, Gatherers and Three-Knife Trimmers for over 70 years. Having developed the first Perfect Binder and Three-Knife Trimmer, Wohlenberg is a global leader in developing and manufacturing quality Perfect Bindery equipment.

A Three Knife Trimmer is a cutting machine with two parallel knives and one knife at a right angle used to trim the three edges of a stack of books or brochures at the same time. Three Knife Trimmers can be integrated at the end of a Perfect Binder, or as standalone units.

Wohlenberg developed the first in-line Three Knife Trimmer in the 1980s. Today, they offer two models of automated Three Knife Trimmers: Trim-Tec 60e and Trim-Tec 90e.

Machine Section-by-Section

Navigator – All book inputs are made through the color touch screen. The Trim-tec’s Dynamic Drive Technology utilizes motorized drives to change nearly all aspects of the machine automatically. Our optional Smart Navidesk can measure a book’s data and intelligently “push” the information to the machine’s touch screen.



Pre-Stacker – Untrimmed books arrive to the right side of the Trimmer for collection. If each bound book is less than 10mm (0.39”) thick they are batch counted. When the pre-defined count is fulfilled, the stack “releases” and transfers to the throat of the Trimmer via a lugged finger. If each bound book is thicker than 10mm (0.39”) they will automatically stack atop one another, and the bottom most book(s) are “pushed” towards the three-knife section.

Pre-Trimming – Stacked books, waiting to be trimmed, arrive to the “throat” of the Three Knife Trimmer. A pusher and/or “fingers” transfer the book into the cutting area. No conveyors are utilized, thus eliminating the possibility of book marking.

Three Side Trimming – A single piece frame construction; clutch free drive design; increased air at the cutting table; silicone spray; swinging shear cuts on each knife; and automatic oil and lubrication of the machinery results in more consistent, reliable trimming up to 2.75” thick.

Delivery – Trimmed books collect via “fingers” and deliver “away” from the operator to the back of the machine.

Automated Makeready

The sophistication and automation of our Wohlenberg Trim-tec models allows complete size changeovers in 5 - 6 minutes! Nearly all parameters can be adjusted “on-the-fly” thereby allowing operators to prepare the next job while simultaneously running the

current job. For those parts needing to be exchanged during a job changeover, the enhanced design developments of the Trim-tec series has greatly reduced the number of parts needing attention:

- **Removing Old Tooling** – Inputs to the Navigator inform the machine to automatically release the top cutting block. Thereafter, the cutting table releases automatically. Once complete, the side knives “open up” in preparation for the next block and table. No tools are required.
- **Inserting New Tooling** – At the delivery section, having removed the previous tooling, the operator places the new table and block on the conveyor. Fingers automatically position the two components in register. The table secures automatically. Thereafter, the top block “locks” pneumatically. The side knives intelligently detect their new position required. Once complete, the operator is required to close the cover.

	Trim-tec 60e	Trim-tec 90e
Design	Tool-less Automatic “On-the-Fly”	
Setup	5 - 6 Minutes	
Product Height	Trimmed: 5.43"-14.48"	Trimmed: 5.31"-14.96"
Product Width	Trimmed: 3.93"-11.81"	
Option	Ask Us About Small & Large Format Kits	

Spine Leading vs. Spine Trailing

The Trim-tec 60e - capable of up to 3,600 cycles per hour - is a spine trailing Trimmer; the books transfer into the cutting section via a pusher finger positioned against the spine. The Trim-tec 90e - capable of 5,400 cycles per hour - is a spine leading Trimmer; the books are “grabbed” by via two front fingers - at the corners of the spine side - while a bar simultaneously “pushes” the spine side into the cutting section.

Accessories: Cut Blocks and Tables

Each Wohlenberg Trim-tec model includes (8) lower cutting tables and (4) upper blocks. Purchase includes a rack to house all tooling.

... Switch to Wohlenberg. Switch to Automation!

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