



QUADRO ROLLFORMER BUYER'S GUIDE



Schlebach QUADRO+
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EMPIRE



ABOUT THIS GUIDE

The Schlebach Quadro Rollformer is a groundbreaking machine in the world of metal profiling. It's designed to serve the needs of modern manufacturers who require versatility and speed without compromising on precision.

With our experience guiding customers through their purchase decisions, we created the **Quadro Rollformer Buyer's Guide**, offering you the technical details and considerations you need to determine if this machine is a solid investment for your business.



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WHY EMPIRE CARRIES THE SCHLEBACH QUADRO ROLLFORMER

The [Schlebach Quadro Rollformer](#) (the Quadro) is one of the most innovative portable rollforming systems on the market today. This machine is engineered to provide maximum production versatility. Capable of producing a wide variety of profiles—such as Mechanical Lock, Snap Lock, Nail Strip, Wall Panel/Soffit Panel, Board and Batten—the Quadro is versatile enough to handle a wide array of applications.

What sets The Quadro apart:

Rotating Cassette Design:

Facilitates fast profile changes.

Hybrid Drive System:

Ensures material precision and flexibility.

User-Friendly Interface:

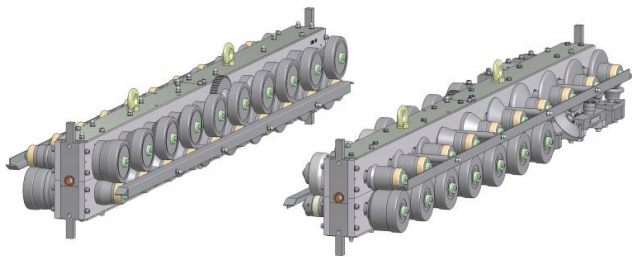
Equipped with advanced control systems and a touch panel.



KEY FEATURES AND TECHNICAL COMPONENTS

Quick Change Cassette Roller System: Efficiency at Its Core

One of the standout features of the Quadro is the **Quick-Change Cassette Roller System**. Traditional rollformers require significant downtime to retool when switching between profiles. The Quadro eliminates this issue with its **rotating cassette design**, making profile changes incredibly efficient. In just under **two minutes**, you can rotate the cassette, flip it, and adjust it for a different profile.



Additional Benefits:

- **Reversible Cassettes:** Some cassettes can be flipped for quicker profile changes.
- **Simplified Profile Change:** Minimal adjustments to switch between different profiles (e.g., Mechanical Lock, Snap Lock, Nail Strip).

The simplicity of this cassette system also extends to its design. The rollers for the forming and drive mechanism are placed on a chassis, with the drive mechanism located inside the machine. This eliminates the need to rebuild or make substantial adjustments when changing between different profiles.

This is a significant leap in rollforming design, improving both workflow efficiency and user experience.



Rotating Cassettes

Hybrid Drive System: Precision and Flexibility

The Quadro Rollformer incorporates a **hybrid drive system** that brings a combination of advanced control and flexibility. This system only has two drivelines, ensuring that the drive mechanism only affects the edges of the material and leaves the middle of the panel undisturbed. **This method prevents the introduction of additional stresses to the material during the forming process, which is one of the main causes of oil canning in metal panels.**

With this system, the Quadro can form a variety of profiles, including **tapered panels** and **double male/female panels**. These profiles are produced efficiently in **two passes**—a feature that many of its competitors cannot offer. The hybrid drive system ensures consistent quality throughout the entire forming process, making it a more reliable choice for complex or detailed panels.

The Quadro's hybrid drive system minimizes oil canning, enables the production of tapered and double male/female panels in two passes, and maintains uniformity across all produced panels.

Siemens Touch Screen: Precision at Your Fingertips

The Siemens touch screen on the Quadro is one of the most advanced in the industry. The touch panel interface is **user-friendly**, yet sophisticated enough to program a wide range of tasks. It allows you to control feed rate and time delays from panel to panel to optimize your workflow and pace. Whether you are producing panels of the same length or need to handle multiple batches of varying lengths, the system allows for complete control over your production process.

For businesses that require flexibility, the Quadro offers the ability to operate in either **manual or fully automated mode**. This ensures that even businesses with varying production requirements can rely on the Quadro for both high-volume and specialized projects. In **automated mode**, you can program multiple lengths and quantities, allowing the machine to complete entire jobs without intervention. This reduces labour costs and improves consistency in production.

The Quadro can switch between full automation and manual control to handle multiple lengths and quantities. This gives you complete control over your production process.



Siemens Touch Screen

Rotary Front Cut Shear: Precision Material Handling

An important aspect to consider in roof panel production is the quality and accuracy of how the panel is cut from the coil. The Quadro features a **rotary front cut shear** that pre-cuts the material in the flat, before it's fed into the forming system. This design offers a number of advantages. For one, the material can be cut to a precise length before any forming occurs, which eliminates the possibility of errors when cutting after the material has been shaped.

This shear system is important because it allows for **zero-cut operations** and ensures that each panel is of the exact dimensions required. There is no adjusting the slitting blades when changing coil widths, or panel profiles. Compared to shear style blades, the simple rotary slitting blades require less complex adjustment, maintenance and cost less for replacements.

The Quadro allows you to pre-cut material in the flat before it's fed into the forming system to eliminate cutting errors typically seen in the post-cut process.

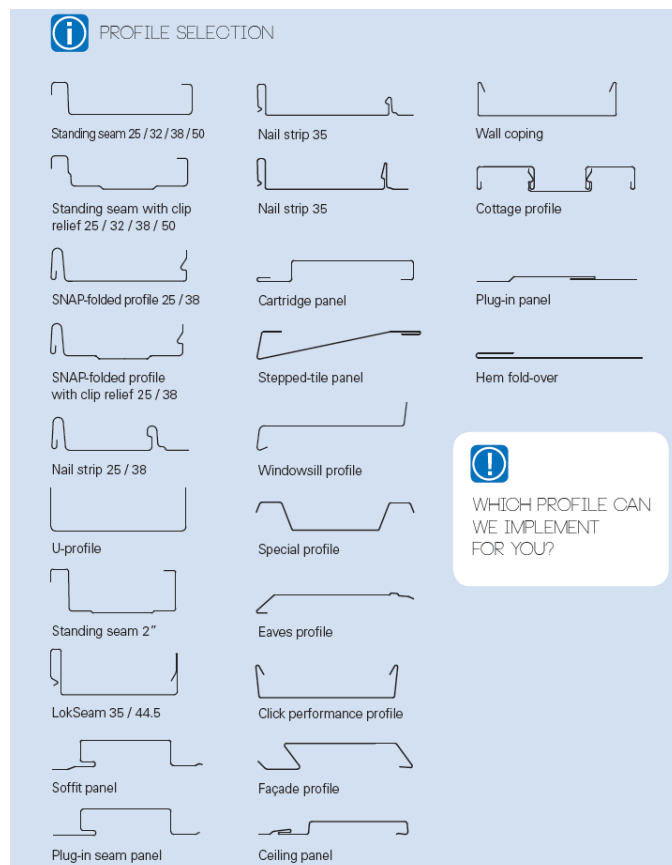


View of rotary front cut shear

MAKING THE QUADRO WORK FOR YOU

Profile Versatility

The Quadro Rollformer is designed to give owners the ability to rollform many different types of panels on one machine. It's capable of producing **Mechanical Lock**, **Snap Lock**, and **Nail Strip** profiles in multiple varieties. Additionally, the Quadro can produce **wall panels** and **soffit panels** in various versions, and board and baton profiles, making it adaptable to numerous construction needs. The machine can easily switch between profiles with minimal effort, enabling users to serve a broad range of customers and projects.

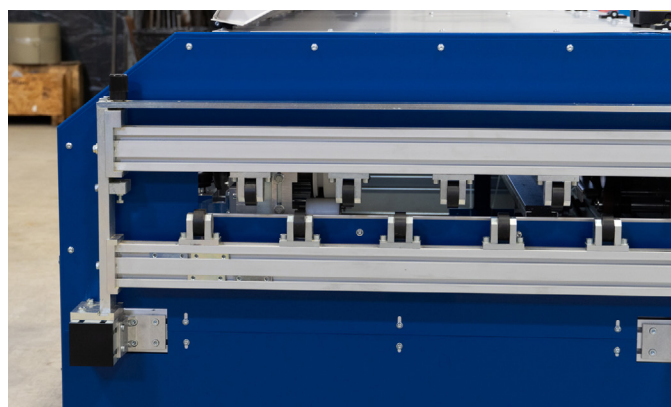


Machine Modularity

The Quadro is **modular**, meaning that the machine's capabilities can be expanded over time. Whether you need additional profiles, accessories, or attachments, the Quadro is designed to grow with your business. This flexibility makes it an excellent long-term investment, as it can be adapted to meet new demands or changes in production requirements. Accessories such as **notching systems**, **finishing attachments** (e.g., striation, wide rib, and pencil rib), and **powered pullouts** can be added at any time, ensuring the Quadro meets your unique business needs.

This modularity also extends to the **cassette system**, where you can add additional cassettes as needed, increasing the number of profiles your machine can produce. If you need to accommodate new designs or changing client specifications, adding new cassettes is straightforward, ensuring that your investment remains useful as your business expands.

You can mix and match all the profiles and accessories to match your own individual market requirements. And there is never a dead end. You can add other profiles or accessories any time you want!



Finishing Attachments



PRODUCTION EFFICIENCY AND SPEED

The Quadro is built for efficiency. With a **feed rate of 45 ft/min**, and an alternative option of **65 ft/min**, the Quadro can quickly process large volumes of material. This is essential for businesses that need to maintain a high output while ensuring high-quality production.

Stepless Width Adjustment

One key benefit of the machine is its **stepless width adjustment**, which allows the infeed guide to be adjusted between **11.8 inches and 31.5 inches**, depending on the material being processed. This feature is particularly valuable for businesses that work with various material sizes or need to quickly adjust to different job specifications.

Modular Cutting and Low Length Tolerance

The machine's **modular cutting system** also ensures that the panels are cut with high accuracy, while the **electrically powered roller shears** allow for **automatic cross-cutting**, further enhancing speed and precision. This, coupled with the **low length tolerance** of approximately **1-2 mm**, ensures that panels are consistently produced to the exact specifications required.



SAFETY, MAINTENANCE AND TESTING

Safety is a critical aspect of any industrial machine, and the Quadro is designed with several built-in safety features to protect operators. The machine includes **interlocked door safety switches**, **emergency stop features**, and general operational warnings about staying clear of rotating equipment. These features help reduce the risk of accidents during operation.

In terms of maintenance, the Quadro's design makes it relatively easy to maintain. Its modular components, such as the cassettes and forming rolls, are designed for easy access, making routine maintenance simple.

However, as with any high-performance equipment, it's important to follow the manufacturer's recommended maintenance schedule to keep the machine running smoothly over time.



Emergency Stop Button

FUTURE NEEDS

While the Schlebach Quadro Rollformer offers numerous benefits, it's still a significant investment for any business. It's essential to thoroughly assess your current and future production needs before making a purchase decision. Consider factors such as the range of profiles you plan to produce, the scalability of your operation, and how the Quadro's features align with your long-term goals. Making an informed decision now will ensure that the Quadro continues to meet your evolving production demands, providing lasting value and maximizing your investment for years to come.

As we say at Empire: buy for where you're going, not where you are now.

POST-SALES SERVICE

Perhaps the most important factor to consider before purchasing a rollformer is the company's reputation for providing exceptional service following the sale. Service is one of the criteria that matters the most – when you pick up the phone, you need to be reassured that someone on the other end will answer the call and provide solutions.

When issues arise, responsiveness from your vendor, supplier, or distributor is key. Companies that excel with post-sales service know that it's more than giving their customers peace of mind, it's about dollars and cents. Every time a machine is out of commission, your shop productivity decreases, and the downtime costs eat away at your bottom line.

When you're inquiring with different manufacturers or distributors, be sure to ask what kind of post-sales support is offered. These days, machine quality is extremely high, however, if issues do come up, it's important to know that you're in capable hands.

ABOUT EMPIRE MACHINERY

Serving Canada and the U.S. since 1987 Empire Machinery & Tools Ltd. in Winnipeg, Manitoba distributes quality new and used sheet metal equipment and metal fabrication machinery. Empire has a complete in-house service department with experienced factory trained service technicians located in Manitoba and Ontario for off-site service anywhere in Canada.

We accept trade-ins and sell on consignment so used machinery is thoroughly checked, serviced and available with a 30 Day Used Equipment Guarantee. Contact us and we will do our best to find the right machine for you!

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Questions about the Quadro Rollformer?

Contact one of our
Product Specialists today at

1 (800) 665-8089