

Precision Finish Saw

Features	Benefits
Vertical and horizontal clamping on both sides of saw line	<ul style="list-style-type: none"> • Extremely precise cut
Back gauge clamps product	<ul style="list-style-type: none"> • Fastest back gauge indexing in the industry
Unique hitch-feed mode	<ul style="list-style-type: none"> • Prevents backrake; product is not touched by the saw blade on its return stroke
Utilizes blades with diameters of 16 to 28 inches	<ul style="list-style-type: none"> • Versatility • Tooling sized to cut for optimum cut quality
Batch-cuts any number of extrusions that can be contained in 24 x 8 inch clamping window	<ul style="list-style-type: none"> • Increased productivity • Models to meet your specific application
Back gauge lengths of 15 feet and longer	<ul style="list-style-type: none"> • Longer production cycle without re-load
Latches, safety interlocks instead of screws on machine guards	<ul style="list-style-type: none"> • Blade changes in only minutes • Increased safety for operator
Exceptionally close tolerances: <ul style="list-style-type: none"> • Cut length accuracy ± 0.005 • Straightness of cut ± 0.002 • Horizontal squareness ± 0.002 inches per foot, corner to corner • Vertical squareness ± 0.0005 inches per inch of thickness • Parallelism ± 0.003 • Surface microfinish 8–32 RMS 	<ul style="list-style-type: none"> • Less scrap • Less additional machining time • Less metal to be removed in future machining
High and variable operating speeds (cutting stroke adjustable up to 750 in/min; return stroke adjustable up to 1000 in/min)	<ul style="list-style-type: none"> • Increased productivity • Greater flexibility

Extrusion Expertise That's Always Within Reach

Granco Clark's commitment to assuring maximum equipment performance has earned us a record of more successful extrusion installations than any other company in North America.

First, we work with you to recommend the right equipment for your particular needs. Our highly experienced employees, together with our ISO-9001-certified quality assurance system, ensure a smooth acquisition from purchase order to up-and-running. Once equipment is

installed, we adjust it, train your personnel to operate it, and get it into service quickly.

After installation, we follow up to make sure equipment is performing at peak efficiency and that you're completely satisfied. And we back all of our equipment with the industry's best warranty.

We never stop being your key resource. Need a part? Order replacement parts any day of the week, any time with our 24-hour parts hotline—more than 80% are available for delivery the next day or sooner.

If equipment goes down, help is available immediately with Granco Clark's modem support. Service is free during standard business hours, with additional assistance available 24/7. We'll run diagnostics on your system via modem and walk you through any repairs.

With Granco Clark, you have peace of mind that your extrusion line is delivering the highest possible performance and productivity. And you can count on us for continued service and support over the full life of your equipment.



Performance. Productivity. Peace of Mind.

For more information contact us by phone, e-mail, or visit our web site.

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Cost-Saving Accuracy.
 High-Productivity Speed.

The Granco Clark Precision Finish Saw is a cut above the rest in the areas that matter: speed, accuracy, safety, and ease of use. In addition, its exceptional reliability ensures consistently high levels of productivity.

The Industry's Most Productive Saw

The Granco Clark Precision Finish Saw is a computerized saw that can deliver a highly accurate cut faster than any saw of its kind in the industry.

Cut-lengths, straightness, and squareness to within a few thousandths of an inch.

Cutting stroke rates and back gauge advance and return fast enough to double productivity.

Cut Straight and Cut Finishing Time

The cut length, straightness of cut, horizontal and vertical squareness, parallelism, and surface microfinish fall within the closest of tolerances. That precision allows the extruder or service center to cut profiles closer to the finished dimensions right from the start, which, in turn, reduces the amount of metal that has to be removed during machining and the amount of time spent doing it. THK linear motion guides exert even control to prevent flexing or guillotining of the clamp that can compromise the cut.



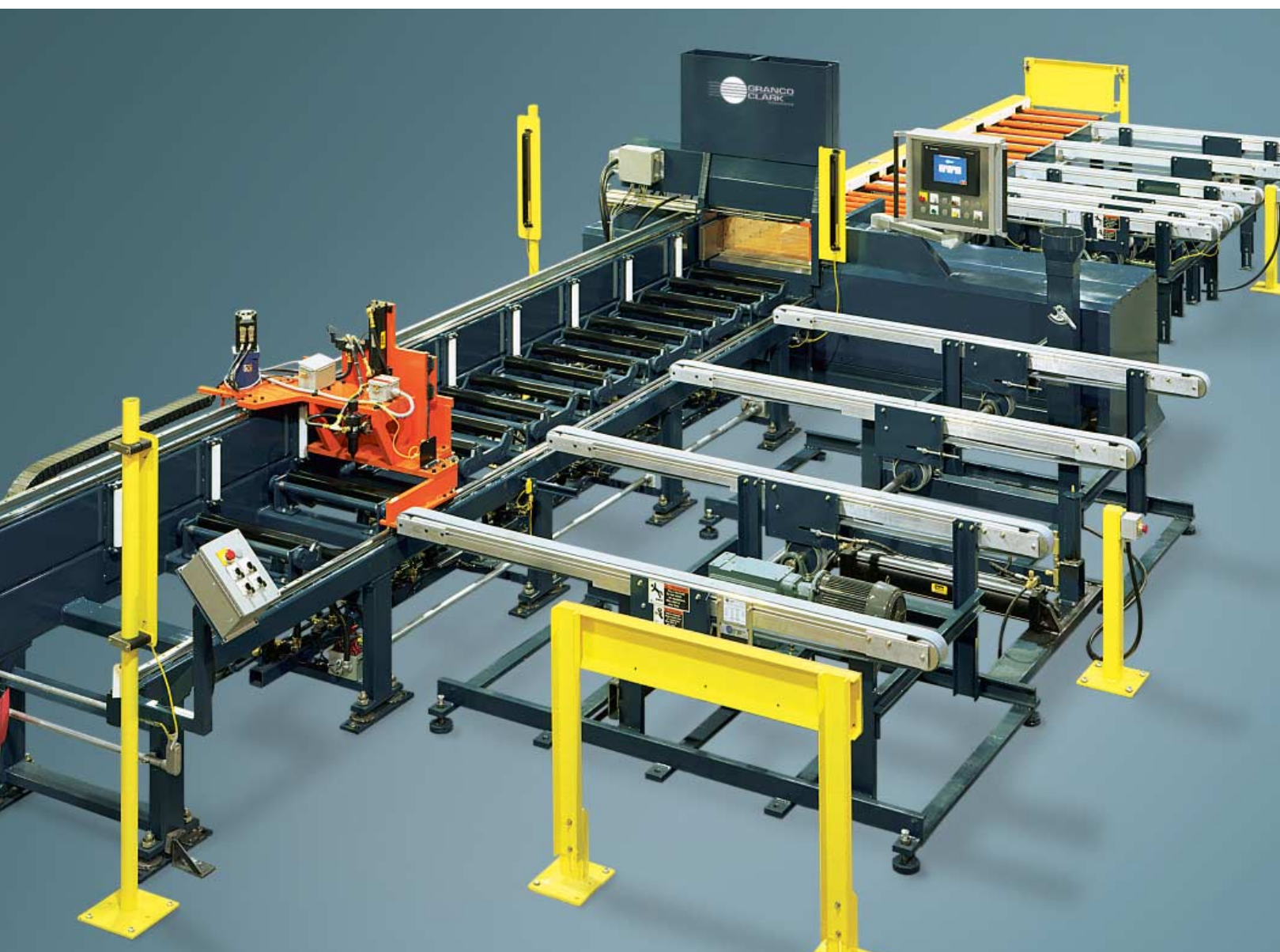
The Granco Clark Precision Finish Saw features the industry's only blade carriage screw design, providing increased precision. The saw's design makes maintenance a breeze. All moving parts are easily accessible. The blade housing easily rolls back, minimizing blade change time and simplifying access for continuing care and adjustments.



Backgauge clamping exerts positive control over extrusions, providing the fastest cycle times in the industry.



Horizontal and vertical clamps completely enclose product. THK slide guides provide firm, even pressure and eliminate guillotining.



Works Faster, Because It Holds Fast

The Granco Clark Precision Finish Saw is equipped with a pneumatic clamping system that grips the extrusion at both the back gauge and saw blade, without marring the extrusion. This accounts for the extraordinarily close tolerances achieved, and it eliminates backrake. The clamps are rubber lined and grip horizontally and vertically.

Superior Productivity

High speeds plus large batch cuts equal enhanced productivity.

The Granco Clark Precision Finish Saw is powered by a 40 or 50 hp motor. The cutting stroke can reach 750 inches per minute and a return of 1000 inches per minute.

Back gauge clamping allows our computer-controlled back gauge to achieve the industry's fastest indexing and return speeds for maximum throughput.

Specifically, our advance is up to 1400 inches per minute and return is up to 2000 per minute.

The saw's design, which replaces screws on the machine guards with latches and safety interlocks, allows operators to access the blade fast and change it in minutes.

The Granco Clark Precision Finish Saw, at a length of 15 feet or up, increases productivity by reducing reloads. The number of extrusions that can be batch-cut is only limited by the size of the 24-inch-wide x 8-inch-high clamping window.

A "Hitch" That Means Higher-Quality Profiles

Before the return stroke of the saw blade, the back gauge advances the extrusion 1/4 inch, pushing the cut pieces forward. Then the extrusion is retracted by the same amount, a "hitch" that creates a 1/4 inch gap through which the returning blade can pass without coming into contact with either face. The hitch-feed feature prevents back-rake against cut parts on the return stroke of the saw.

Rack-Mounted Encoder Increases Accuracy

Positioning information is provided to the servomotor from a magnetic sensor strip along the rack, preventing the loss of pulse counts—and resulting decrease in accuracy—associated with mounting encoders on the drive motor itself.

High-Performance Allen Bradley Controller

The Granco Clark Precision Finish Saw is equipped with a standard Allen Bradley programmable logic controller, capable of storing cutting parameters for 500 customer part numbers. The controller has a direct modem link to Granco Clark for long-distance troubleshooting and program revisions.