

Features	Benefits
Under-table design	<ul style="list-style-type: none"> <li>• Maximum safety</li> <li>• Minimum noise</li> </ul>
Removable side panels	<ul style="list-style-type: none"> <li>• Easy maintenance</li> </ul>
Powered roller table	<ul style="list-style-type: none"> <li>• Better material handling</li> </ul>
Superior chip collection above/below table	<ul style="list-style-type: none"> <li>• Efficient removal of chips</li> <li>• Less surface damage to product</li> </ul>
Automatic blade height adjustment	<ul style="list-style-type: none"> <li>• Optimizes blade performance</li> <li>• Better "angle of attack"</li> <li>• Better cut quality, i.e., less damage to thin shapes</li> </ul>
Wide table capacity	<ul style="list-style-type: none"> <li>• Reduces bottlenecks, hence increasing throughput</li> </ul>
Positive hydraulic powered saw stroke	<ul style="list-style-type: none"> <li>• Quality cut</li> <li>• No flexing</li> </ul>
Excellent cutting tolerances	<ul style="list-style-type: none"> <li>• Higher-quality product</li> <li>• Minimum waste</li> <li>• Elimination of additional time that's often needed for secondary cut</li> </ul>
Special blade lubrication system	<ul style="list-style-type: none"> <li>• Extended blade life</li> </ul>
Machine-tool quality construction	<ul style="list-style-type: none"> <li>• Excellent cutting performance</li> <li>• Durability</li> </ul>
Adapts to automated or traditional systems	<ul style="list-style-type: none"> <li>• Flexibility that enhances productivity</li> </ul>
"Drop down" arbor design	<ul style="list-style-type: none"> <li>• Eliminates back rake</li> <li>• Improves cutting quality</li> <li>• Enhances productivity by allowing process to continue while blade is making return stroke</li> </ul>

### 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

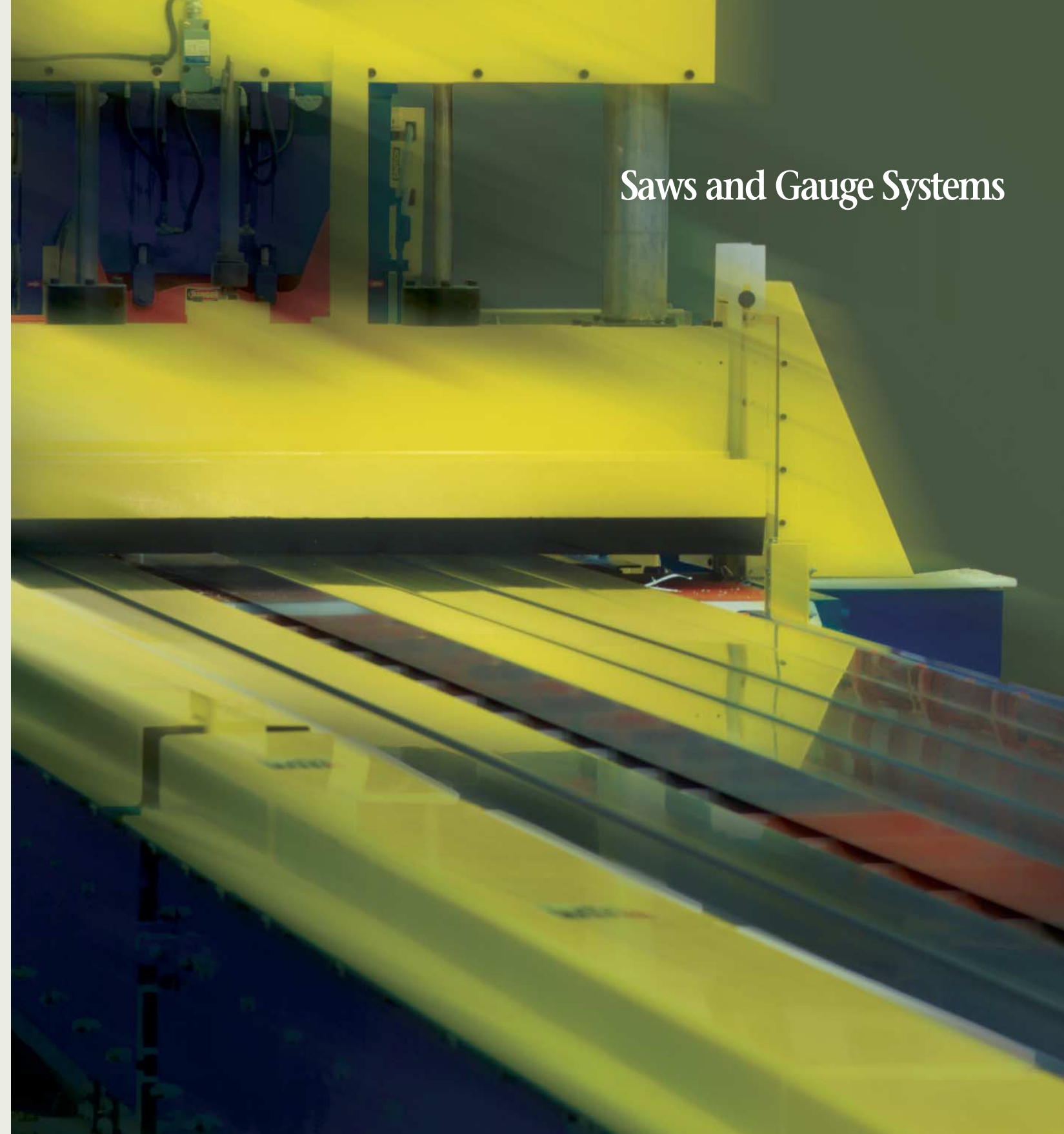
installed, we adjust it, train your personnel to operate it, and get it into service quickly.

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.



## Saws and Gauge Systems



Performance. Productivity. Peace of Mind.

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[www.grancoclark.com](http://www.grancoclark.com)

Wide Batch Cuts. Superior Cut Tolerance.  
 Advanced Safety Features.



Cutting large batches of extrusions is one of the keys to reaching high levels of productivity. But most existing cutoff saws have a limited width capacity, and are therefore inefficient and unproductive.

Granco Clark extrusion cutoff saws are large-capacity, high-quality, high-performance saws that provide extremely close tolerances and an excellent surface finish. They're durable, low maintenance, and designed for safety.

### Advanced Automation

Granco Clark extrusion cutoff saws provide superior cut tolerance, maximum throughput, and safe operation by means of a process that involves minimum manual intervention.

As a batch of extrusions is fed through the saw, an encoder positions the lead scrap ends and stops the conveyor. The saw then clamps the extrusions and cuts them; the scrap ends are removed via a tilt belt conveyor. The saw gauge stop lowers automatically, and the extrusion batch moves forward until the profile ends are firmly butted against it.

The saw hood then lowers automatically to clamp the

extrusions, and the saw blade moves across the table, cutting the profiles. Blade stroke length is electronically adjusted at the operator console; blade height is automatically set to the extrusion height.

The saw clamp and the saw gauge lift, and the cut batch is moved forward by the conveyor to clear the saw and is transferred onto discharge belts by the raise/lower saw gauge conveyor. Then, a new batch is powered from the saw to the gauge stop.

This automated cycle is repeated until the full profile length is consumed.



Scrap ends are automatically removed via a tilt belt conveyor.



The extrusion batch moves forward until profile ends are firmly butted against the saw gauge stop.



The saw hood lowers automatically to clamp the profiles.

### Cutting Down on the Risks

In every respect, Granco Clark cutoff saws are built to be safe. This starts with our under-table blade return design, which reduces hazards for the operator. During the forward stroke of the saw, the blade is concealed in the clamping hood, eliminating the possibility of inadvertent contact. The acoustically insulated hood and side panels provide superior sound dampening.

The side panels are electronically interlocked, so that, when the panels are removed for maintenance or repair, the saw becomes inoperable. The saw features vacuum chip-collection above and below the table's surface, which minimizes accumulation of chips in the work area.

A final safety feature: Operator controls are positioned in a floor-mounted console located away from the cutting area, decreasing the risk of accidental contact.

### Saws That Make the Cut

With Granco Clark cutoff saws, your gains in productivity are substantial. The wide table capacity of our saws reduces the bottlenecks found in older saw systems, maximizing throughput. The drop-down arbor allows profiles to advance to the gauge while the blade returns to its home position. The vacuum chip-collection minimizes the need for additional methods of chip removal.

The precise tolerances and cut finish achievable with our saws not only improve product quality, but they also help to reduce waste and often eliminate the additional time needed for a secondary cut.

### Quality Considerations

Several features of Granco Clark's extrusion cutoff saws make a direct contribution to profile quality. The drop-down arbor

design eliminates back rake and improves the quality of the cut. An independently mounted gauge head assures closer tolerances.

A powered roller table improves material handling, while the vacuum chip-collection keeps the workplace free of metal fragments that could damage the surface of extrusions. Blade height is adjusted automatically, providing a better-quality cut while allowing minimum damage on thin shapes.

The saw's adjustable-pressure pneumatic clamping hood holds extrusions tightly without crushing or marking the profiles. The positive hydraulic-powered saw stroke and feed system are free of pulsating that could cause detrimental blade overload, damage to teeth, rough cutting, and premature blade wear.