







profistop
alpha

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ProfiStop Alpha is a simple to use auto measuring stop for high-accuracy medium-heavy materials cutting. Speed up your cutting through the roof, simply, and introduce advanced job-management functions to run your production efficiently.

Simple to use | An intuitive, plug-and-play saw automation solution.

High-accuracy | Advanced positioning control system with a lifetime accuracy guarantee.

High-value management | An effective cutting management solution, making cumbersome jobbing processes a breeze.

- High-speed automatic servo motor cut measurement
- Simple operation and setup, compatible with most saws
- Medium duty 20-40 kg recommended material weight
- Ideal for steel, framing timber, aluminium
- Automated and streamlined jobs management
- Label printing and bar-code / QR code jobs input (optional)
- Jobbing integration to your ERP system (optional)

Ideal For

- Frame and truss manufacture
- Furniture manufacture
- Windows and doors manufacture
- Agricultural manufacture
- Retail material sales

Can be used with all your existing saws including:

- Industrial drop saws
- Guarded up-cut saws
- Band saws
- Radial arm saws
- Drills and presses



Your ProfiStop Alpha can come with one of our two user / data interface options:

Basic Software

Simple, num-pad style interface with enter-the-length and go-to-position functions. It is just a no-frills, simple-to-use machine which you can intuitively start to use in seconds. Suitable for use with your existing printed cut lists, where you get the benefit of automating the saw measuring but continue to manage all your production data the same way you do now.



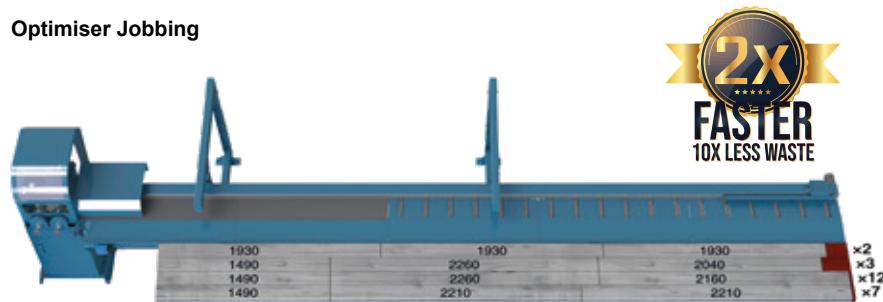
Optimiser Software

An advanced user and data interface designed for importing your cut lists remotely (over WIFI) and the machine optimising your cut lists for cutting so that the waste material of your production is minimal. Optimisation step being done at the machine is a key process improvement as it eliminates the need to make complicated layouts which your operator must follow in exact order. You can very easily optimise and cut any material you have lying around including your offcuts without needing to have any management system for them. For businesses who want to streamline their production using IT and advanced data functions.

ProfiStop Optimiser Jobbing

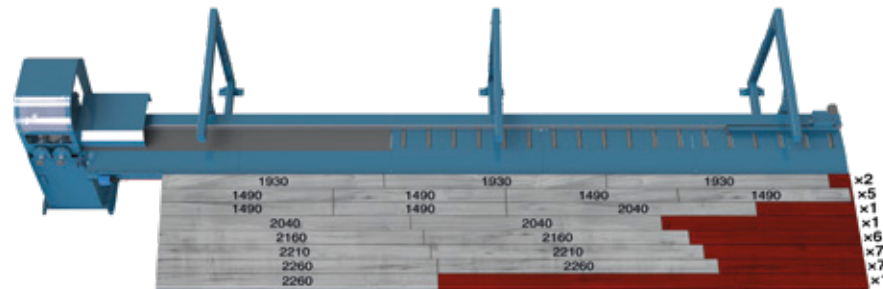
For every piece of material you place down to cut, no matter what length, a laser sensor can measure its length. Our powerful optimisation algorithm then takes your cut list and calculates the best order of parts to cut from this material so that wastage is minimised.

Optimiser Jobbing



- |||| Total Parts: 72
- Material required: 144 m
- Material waste: 2.1%
- 🕒 Cutting time: 22 mins

FIFO Jobbing



- |||| Total Parts: 72
- Material required: 180 m
- Material waste: 21.7%
- 🕒 Cutting time: 43 mins

Save \$\$

You spend a lot on material and chances are it is the biggest expense in your production. An optimiser run production will result in significant material cost savings in comparison to typical first-in cutting.

Powerful algorithm

Our inline optimiser with a cut list containing a mix of long and short parts will produce 99%+ yield most of the runs, even with cut lists containing not many individual parts.

Zero hassle optimisation

No need to run any optimiser from the office, print dozens of pages, or pay attention to putting the profiles in the "right" order. Just send the Excel cut list to the machine, and put in your material to cut, of any length, in any order.

Use up offcuts easily

No more measuring and recording your offcuts for the office. Just return them into stock, and put them through the machine at the start of the next job.

Get something for nothing

Your material typically comes with extra 20-60 mm on each length you buy. With inline optimiser, this will automatically be used up to produce your parts, and without you needing to do any extra work.

Optimise ad-hoc cut lists

Our system allows you to optimise both complex Excel-prepared cut lists, as well as ad-hoc cut lists you just think up, easily and quickly.

Signs You Need ProfiStop Automation

- Are you so busy you have to decline work?
- Do you have two, three or five saws in your production?
- Do you find parts don't fit right on-site?
- Is your best worker occupied with cutting?
- Do you have large, complex projects with strict delivery times?
- Are you constantly working in your production but projects still come together slow?
- Do you feel your production work is like doing chores?
- Do you have a junior employee tasked with cutting out parts from offcuts?
- Do you have many productivity ideas but no time to progress them?
- Are you burned out trying to juggle many things?
- Are you constantly busy, but struggling to progress profits?



Why ProfiStop Automation?



Exceptional ROI

Most users find that their automated ProfiStop® machines pay for themselves in under a year.



High accuracy and productivity

Our machines are high-productivity automation solutions for cutting, producing the parts you need consistently, and every time.



IT focussed production

In 2023 manufacturing is about data. Our machines are designed around IT and process solutions to supercharge your productivity far beyond mechanical automation.



Industry leading support

Our technical support is regularly rated the best in the business by our Customers. We are available to assist you no matter where in the World you are 24/7.



Unmatched expertise

We can assist you with any problem effectively and in minutes. Our IT and machine expertise is high because Engineers you speak to are the same people that design and build your machines.



Get more done, with less

ProfiStop automation is the key step in transformation of your production foundations from labour reliant, to productivity based.



Big picture focus

We make the World where your people produce like machines, without working like machines.

“

We have had our ProfiStop since 2015. From not having known about this kind of automation before to now after having one, I can say I would not run a shop again without having one on a saw. It is one of those things that makes a productive and stress-free business compared to one where you are constantly doing chores.

Admir Bućan
Director
EA Probend VIC
AUSTRALIA



What are the Differences?

Hardware	ProfiStop Lazer	ProfiStop Alpha	ProfiStop Omicron
Duty Load	Light	Medium	Heavy
Recommended Material Weight	10 - 20 kg	20 - 40 kg	120 - 400 kg
Positioning Repeatability	±0.25 mm	±0.1 mm	±0.25 mm
Software	Basic	Optimiser	
Jog Left / Right	Yes	Yes	
Cuts Counting	Yes - Manual	Yes - Automatic	
Auto Adhesive Labels Printing	Yes - Optional	Yes - Optional	
Barcode Scan Jobs Input	Yes - OptiCut1D	Yes - OptiCut1D	
Pin Protected Setup	Yes	Yes	
Minimum Length Setup	Yes	Yes	
Machine Status Display	Yes	Yes	
Current Position Display	Yes	Yes	
Current Time Display	Yes	Yes	
Increment Feeding Left / Right (On Operator Press)	No	Yes	
Feeding Blade Kerf Compensation	No	Yes	
Multi-Machine Rapid Configuration Change	No	Yes	
Excel Job Lists Input	No	Yes	
Line or Bill-of-Material (BOM) Job Lists	No	Yes	
Drag-and-Drop or E-mail Job Lists	No	Yes	
On-Screen Edit, Delete, New Job Create	No	Yes	
Job Lists Optimisation	No	Yes	
Bundled Parts Counting and Quantity Optimisation	No	Yes	
Material Auto-Feeding (On Manual Press)	No	Yes	
Part Finished / Next Part Alert	No	Yes	
Blade Change Alert	No	Yes	
Safety Switch Motion Disable	No	Yes	



ProfiStop Alpha | Technical Specifications

Length (m)	3	4.5	6	7.5	9
Stroke (mm)	2580	4080	5580	7080	8580
Dimensions (mm)	3000×1545×600	4500×1545×600	6000×1545×600	7500×1545×600	9000×1545×600
Table Height (mm)	760-1050	760-1050	760-1050	760-1050	760-1050
Weight (kg, incl. table)	115	165	198	247	280
Table Width (mm)	300	300	300	300	300
Roller Width (mm)	210	210	210	210	210
Speed (mm/s)	800	800	800	800	800
Acceleration (mm/s ²)	1153	1153	1153	1153	1153
Deceleration (mm/s ²)	937	937	937	937	937
Job Memory	10,000+	10,000+	10,000+	10,000+	10,000+
Recommended Material Weight (kg)	20 - 40	20 - 40	20 - 40	20 - 40	20 - 40
Attachment Mount	Flip-type				
Drive	Belt, 30 mm, steel reinforced				
Power input	110 - 240VAC, 10A max				
Positioning Repeatability	±0.1 mm active closed-loop positioning control				
Certifications	CE FCC				
Country of Manufacture	AUSTRALIA and SERBIA				