profistop

A simple length stop and feeding solution for your saws, drills and more.

AUSTRALIAN MADE AND OWNED

ProfiStop® is a range of length stop and feeding systems suitable for transforming your saws into simple to use, automated, high-productivity work-stations.

In addition to mechanical automation, ProfiStop® streamlines your production management in the most intuitive ways possible, from the initial order to finished parts.

High accuracy | The most advanced positioning control system with a lifetime accuracy guarantee.

Simple to use | Designed to be an intuitive, plug-and-play solution, even for sophisticated automation tasks.

High-value management | An effective cutting jobs management solution, making cumbersome data processes simple.

ProfiStop® | Features

- Automatic length stop and feeder for saws, drills, presses and more.
- Colour touch-screen with simple to use control interface.
- ±0.1 mm positioning accuracy with a lifetime accuracy guarantee.
- Create job lists in Excel then drag-and-drop or e-mail to ProfiStop®.
- Save and complete jobs as one-part job or as a bill-of-material (BOM) group.
- Cut counting with job completed alert, next job alert, and manager alert.
- Automatic labels and barcode printing and scanning.
- On-screen job list yield optimisation – get reduced material wastage but without the hassle of managing stock.
- OptiCut-1D™ - your comprehensive cloud-based solution for managing jobs and stock, seamlessly integrated with ProfiStop® length stops and automatic saws.

ProfiStop® Advanced

ProfiStop® Lazer

ProfiStop® | Productivity in Focus

On-Screen Optimisation | Get the benefit of yield-maximised cut lists without spending your time managing stock. Send the same cut list you use today to ProfiStop®. Your operator selects material input, ProfiStop® optimises the cut list. Material waste reduced, without thinking about it.

Adhesive Labels and Bar-Code Printing | Sort out your many parts by labelling them. ProfiStop® can print job or part information labels automatically for every cut made including bar codes. Especially effective for yield-optimised job lists or large production volume cutting.

Mitre-Cutting Job Lists Management | Manage your mitre jobs simply. ProfiStop® optionally comes with a mitre-cutting job management interface allowing you to communicate, manage and cut mitre-angles as easy as all cuts.

Drilling Job Lists Management | Drilling is a data intensive process with high likelihood you will discover mistakes only where it costs the most – onsite. ProfiStop® can come with a drilling management interface which allows you to manage your drilling jobs simply, and for your operators to execute them step-by-step and mistake-free.

Did you know!

In addition to waste savings, cut list optimisation results in an appreciable productivity improvement as you handle less material and make fewer trim cuts!
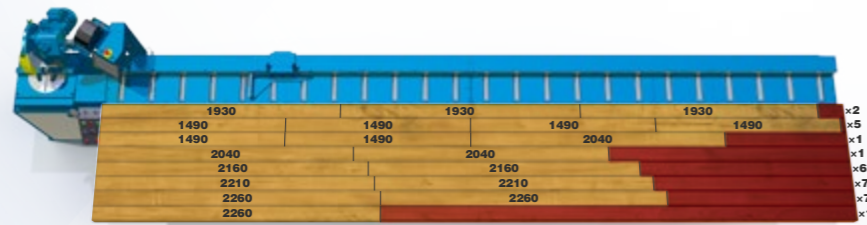
Typical FIFO jobbing with manual stop
- Material required: 6 m, qty = 30
- Material waste: 21.7%
- Cutting time: 68 mins

ProfiStop® Length Stop with optimisation
- Material required: 6 m, qty = 24
- Material waste: 2.1%
- Cutting time: 56 mins

OptiCut-1D™ | Cloud-Based Cutting Jobs Management

OptiCut-1D™ is a cloud-based job and stock management solution that allows you to manage and optimise your BOMs, cut lists and material procurement seamlessly. Keep all your design BOMs in one place and easily input or change them for production. Group and optimise your cut lists for yield maximisation as well as seamlessly integrate with all ProfiStop® length stops and auto saws.

Manage your production from any computer that has internet. Input your BOMs seamlessly via XLSX files or manually. OptiCut-1D™ automatically groups and optimises them into cutting jobs, prepares job lists and input material schedules, printed or wireless. You will know where your production is at all times. Sudden change in jobs? No problem! OptiCut-1D™ will instantly add, remove and re-optimise jobs on your operator's cut list on the ProfiStop®.

Cloud-based software allows you to manage and know the status of your production from any computer with internet access. Don't bother with licenses or networking. We maintain, update and upgrade OptiCut-1D™ behind the scenes; you just run your production efficiently.

ProfiStop® | Fully Automated Solutions

ProfiStop® is a simple to implement solution for fully automating repetitive pushing or pulling tasks on your existing saws, drills and presses.

- Fully automate new or existing semi-automatic machines with push / pull feeding.
- Multiple times productivity improvement with simultaneously reduced labour requirement.
- Automatic cutting to length, or pressing / drilling to a pitch.
- No setup, fully automated running. Just enter the length, put the material down, and press GO.
- Complete auto-feeding solution for processing steel, aluminium, wood and more.

OEM Production Automation | In addition to upgrading your semi-auto machine-tools we can supply you with our existing OEM solutions for fully automatic cutting / drilling / pressing for steel, aluminium or wood including material and cuts handling solutions.

Multi-Process Automated Solutions | Do you have production requirement for drilled cuts? We can provide cost-effective all-in-one solutions for producing parts requiring multiple processes including cutting / drilling / tapping / pressing / riveting / CNC routing / hole patterns and more.

Material Handling Solutions | For all our automatic saws we can provide you material and finished parts handling solutions with varying degrees of automation, up to and including fully automated loading of stock and collection of cuts.

ProfiStop® Auto Aluminium Saw

ProfiStop® | Productivity in Focus

On-Screen Automatic Yield Optimisation | Get the benefit of reduced material wastage but without wasting time managing stock. Send the same cut list you use today to ProfiStop®. On-the-fly optimisation automatically measures the length of stock, optimises your job list for maximum material yield, and ProfiStop® Auto Saw makes the cuts.

Automatic Defect Removal | Don't let any scratches through with ProfiStop® on-the-fly defect removal and optimisation. Your operator marks the defects using a pen, ProfiStop® system scans the marked locations and automatically cuts out the damaged material while cutting your parts with maximum material utilisation from the remaining defect-free material.

Automatic Part Marking | Sort out your many parts daily by labelling them. Our automatic saws can print job or part information on your parts by burning or pin marking automatically for every cut made.

OptiCut-1D™ | Our cloud-based design BOMs, job and stock management solution seamlessly integrated with your ProfiStop® Auto Saw. Automatically group and optimise your cutting jobs, and sending the cut list to your auto saw is as easy as drag-and-drop. Use OptiCut-1D™ for managing all your design BOMs, jobs, stock and material procurement.

ProfiStop® Auto Steel Saw

Why you need ProfiStop® Automation

Are you so busy that you can not take any more work?
Every month you are likely losing many times more in sales and profit than the cost of investment in a ProfiStop®.

Are you stressed trying to organise many things for your production?
We can only keep 7±2 things in our head at any one time. Let ProfiStop® take care of all your cutting data and management and you can focus on important things.

Do you have two, three or five saws in your production?
You can dramatically decrease space and labour allocated to cutting, while simultaneously improving your production output.

Do you discover onsite you have incorrectly manufactured parts?
Incorrectly manufactured parts are one of the most common and costly on-site work stoppages. Organise your production with a ProfiStop® and no hole will be out of place when you need it the most.

Do you have large, complex projects with strict delivery times?
It is impossible to deliver large projects in short time without efficient, automated production. Our machines have delivered some of the biggest, high-profile construction projects around Australia.

Is your best worker occupied with cutting?
Cutting is a dull, labour and mind intensive task. Have your best worker to focus on more important things, and leave the dull work to ProfiStop®.

Are you an owner-run business?
Hiring employees is the most challenging step in the growth story of any business. ProfiStop® is a low-cost way to dramatically increase what you can output yourself and decrease effort.

We hear stories like this every day. ProfiStop® purchase for our Customers is typically a *transformational* investment paying itself off often in a matter of months.
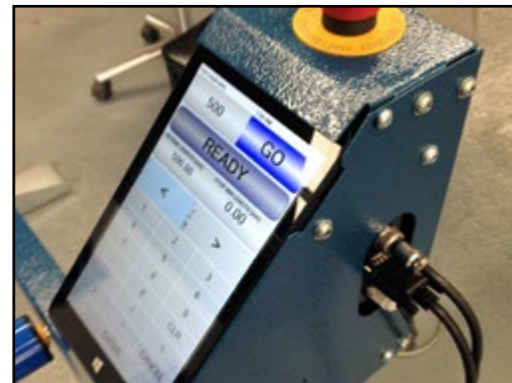
Why Choose ProfiStop®

Fast payback and return on investment.
Most users find that their new ProfiStop® pays for itself in under a year.

Fast and accurate, every time.
ProfiStop® quickly positions itself to your length input, and produces the cuts you need, all the time, every time.

Don't waste time entering data.
Send your part lists to ProfiStop® straight from the office (drag-and-drop or e-mail). They will be there for your operator right away. Just press GO and cut.

Eliminate tiresome mistakes.
Let ProfiStop® take care of mundane measuring and counting. When one job is complete, ProfiStop® will tell your operator to go to the next job, and what stock to fetch. Just get the correct stock and keep cutting.

Mind free, productivity up.
Free your operator from the mundane process detail of cutting and their mind will be fresh to make you money in more important ways. ProfiStop® lets both you and the operator focus on the big picture.

Get more done, with less.
In a globalised economy, productivity is the name of the game. ProfiStop® super-charges your every cutter, and makes a novice cutter produce the same as your best cutter.

Get something from nothing.
ProfiStop® lets you save $$ with yield-maximised cut lists but without having to spend your valuable time managing stock. Don't throw away your material, or time.

Australian made and owned.
ProfiStop® is a World-leading Australian technology product. Be a part of our story.
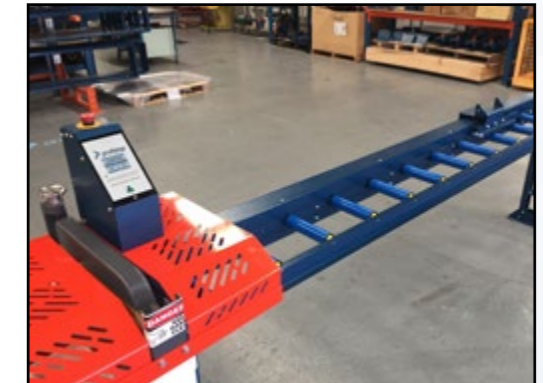
Product Matrix

| Model	Product Level	Duty Load	Operation
ProfiStop Lazer	Budget	Light[1]	Length Stop
ProfiStop Basic	Budget	Medium	Length Stop
ProfiStop Advanced	Advanced	Medium	Length Stop or Feeder
ProfiStop HD	Advanced	Heavy[3]	Length Stop or Feeder

All linear units also available as:
- External serial control product to be commanded by your own applications.
- Mechanical linear unit only product (supply your motor and control system).

Mechanical

Length options	Table options	Table finish options
3m	Linear unit only	N/A
4.5m	Linear unit only	N/A
6m	Linear unit only	N/A
7.5m	Linear unit only	N/A
9m	Linear unit only	N/A
3m	Roller-only	Rollers in steel or PVC
4.5m	Roller-only	Rollers in steel or PVC
6m	Roller-only	Rollers in steel or PVC
7.5m	Roller-only	Rollers in steel or PVC
9m	Roller-only	Rollers in steel or PVC
3m	Roller-flat	Rollers in steel or PVC
4.5m	Roller-flat	Rollers in steel or PVC
6m	Roller-flat	Rollers in steel or PVC
7.5m	Roller-flat	Rollers in steel or PVC
9m	Roller-flat	Rollers in steel or PVC
3m	Roller-flat (storage)	Rollers in steel or PVC
4.5m	Roller-flat (storage)	Rollers in steel or PVC
6m	Roller-flat (storage)	Rollers in steel or PVC
7.5m	Roller-flat (storage)	Rollers in steel or PVC
9m	Roller-flat (storage)	Rollers in steel or PVC
3m	Flat-only	Flat in Stainless Steel or Plastic
4.5m	Flat-only	Flat in Stainless Steel or Plastic
6m	Flat-only	Flat in Stainless Steel or Plastic
7.5m	Flat-only	Flat in Stainless Steel or Plastic
9m	Flat-only	Flat in Stainless Steel or Plastic
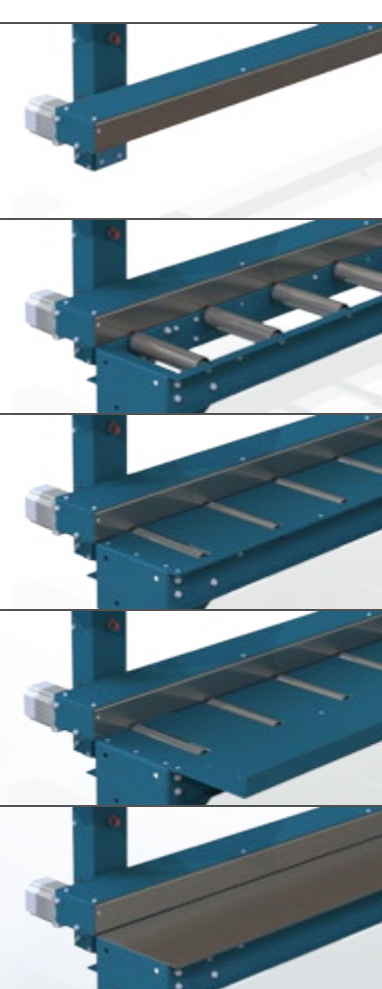
- All tables are available as general purpose infeed / outfeed conveyor tables.
- All tables are of heavy-duty 3 mm thick steel construction.
- Tables are available in any length in 1.5m and 3m modular sections.
- Tables available in roller widths of 250 and 400 mm.

Technical Specifications[2]

Length (m)	3	4.5	6	7.5	9
Stroke (mm)	2580	4080	5580	7080	8580
Dimensions (mm)	3000×1400×600	4500×1400×600	6000×1400×600	7500x1545x600	9000x1545x600
Table Height (mm)	760-1050	760-1050	760-1050	760-1050	760-1050
Weight (kg, incl. table)	85	125	148	247	280
Table Width (mm)	300	300	300	300	300
Roller Width (mm)	260	260	260	260	260
Speed (mm/s)	1950	1950	1950	1950	1950
Acceleration (mm/s²)	1710	1710	1710	1710	1710
Deceleration (mm/s²)	1465	1465	1465	1465	1465
Job Memory	10,000+	10,000+	10,000+	10,000+	10,000+
Max Feed Weight (kg)[3]	40 - 100	40 - 100	40 - 100	40 - 100	40 – 100
Max Holding Force (N)	170	170	170	170	170
Attachment Mount	Flip-type				
Drive	Belt, 30 mm, steel reinforced				
Power input	240VAC, 10A max				
Positioning Accuracy	±0.1 mm active closed-loop positioning control				
Manufacturing Certifications	ISO 9001:2008 certified quality assurance system AS / NZS 4801:2001 OHS management system ISO 14001:2004 environmental management system				
Country of Manufacture	AUSTRALIA				

Notes:
1. Feeding capacity ProfiStop Lazer 20 kg, ProfiStop HD 600 kg. Feeding capacities dependent on the roller conveyor type and efficiency.
2. All specifications in the brochure are for the ProfiStop™ standard linear unit, not ProfiStop Lazer and HD.
3. Feeding capacity 40 kg standard, up to 100 kg optional. Feeding capacity dependent on the roller conveyor type and efficiency.

AUSTRALIAN MADE AND OWNED

"I just thought I would let you know that we cut our first days work today fully utilising the ProfiStop®. The result was approximately 1 – 1.5 hours faster cutting and 50 – 60% less wastage."

Sandra Grocott
GM Operations
Archgola Outdoor Shelters, NZ

"Possibly the best investment I ever made. It's likely paid for itself already." [three months]

Craig Barker
Managing Director
A-Line Building Systems, VIC

"The boys love it and things are now always cut accurately. It has improved our job satisfaction all round."

Shannon McNab
Director
Davimac Machinery, NSW