



THE ONE TO

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CHANGE THE GAME

PRE-LAUNCH 01.12.2020



# S ONE SERIES

**Important notice:**

This pre-launch of the new S One Series is for Summa Dealers only and is strictly confidential.

Summa S One Series

What's New & Key Benefits

## Section 1: What's New

# S ONE SERIES



# S One: Complete New Design

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The **S One Series** is the next step in Summa's entry-level cutting machines. This series has been built completely from base, using the experience acquired over years of developing and building roll cutters. The name S One refers to the core idea behind its development.

The S One Series is your first choice where value and reliability are top of mind.

## What's new?

- New Chassis
- New Head & Carriage
- New OPOS Sensor
- New Electronic Board
- New Motors
- New Keyboard
- New Stand
- New Basket
- (New) Grit rollers
- New Pinch rollers
- New Software



S One Series

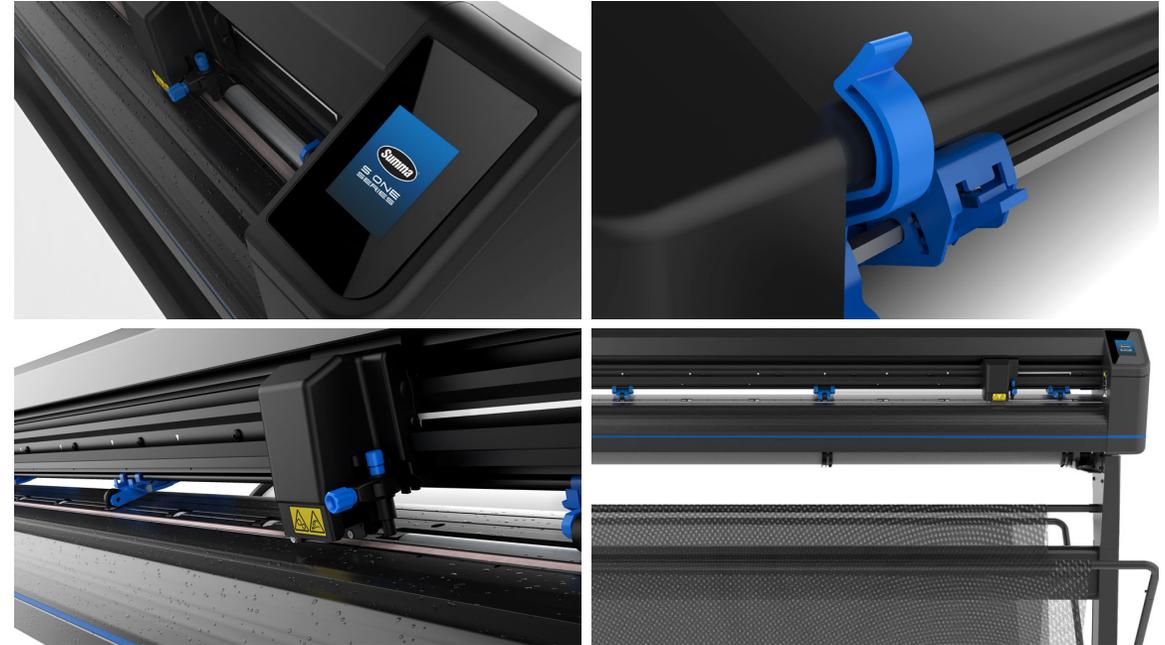


Summa S One Series  
What's new & key benefits

## At First Sight

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- Modern look
- Basket (mesh)
- Mechanical parts that can be adjusted are now highlighted with a light blue color. This enables the operator to quickly switch between these parts.
- Head facing keypad
- Touch screen
- Grey grit rollers



# Key Topics

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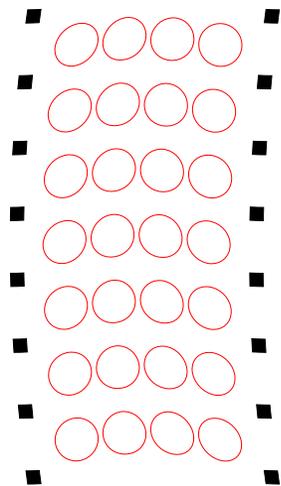
- Up to 600 gr of knife pressure
- Ergonomic touchscreen
- USB, Ethernet & WiFi\*
- OPOS sensor
  - Automatically lowered and lifted
  - More robust
- OPOS Xtra

\* WiFi: region dependent.  
Detailed list available in specification document

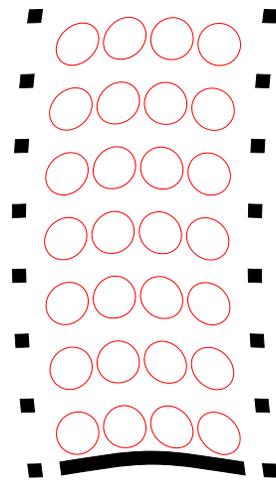


# OPOS Xtra

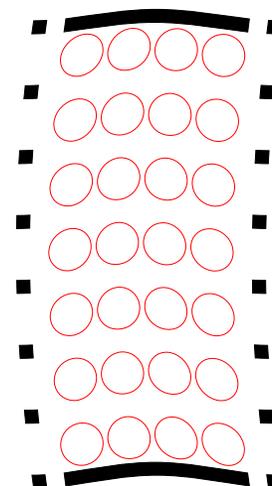
OPOS Xtra is an evolution of OPOS XY2 and is specifically beneficial for the processing of small sticker jobs. OPOS Xtra adds additional lines between each set of registration marks, allowing for an even more accurate detection of curvature changes.



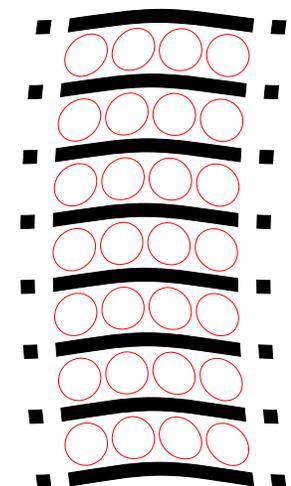
OPOS  
Compensates for position, scaling and follows the deformation of the print along the feeding direction.



OPOS XY  
Compensates material deformations over the width of the machine mainly caused due to heat in the print or the laminating process.



OPOS XY2  
Deformation is not always constant over the length of the job. So, this feature also measures it in the front and back of the design.



OPOS Xtra  
Even higher accuracy is achieved by intermediate measurements. This is specially useful when cutting smaller labels.

## Section 2: Key Benefits

# S ONE SERIES

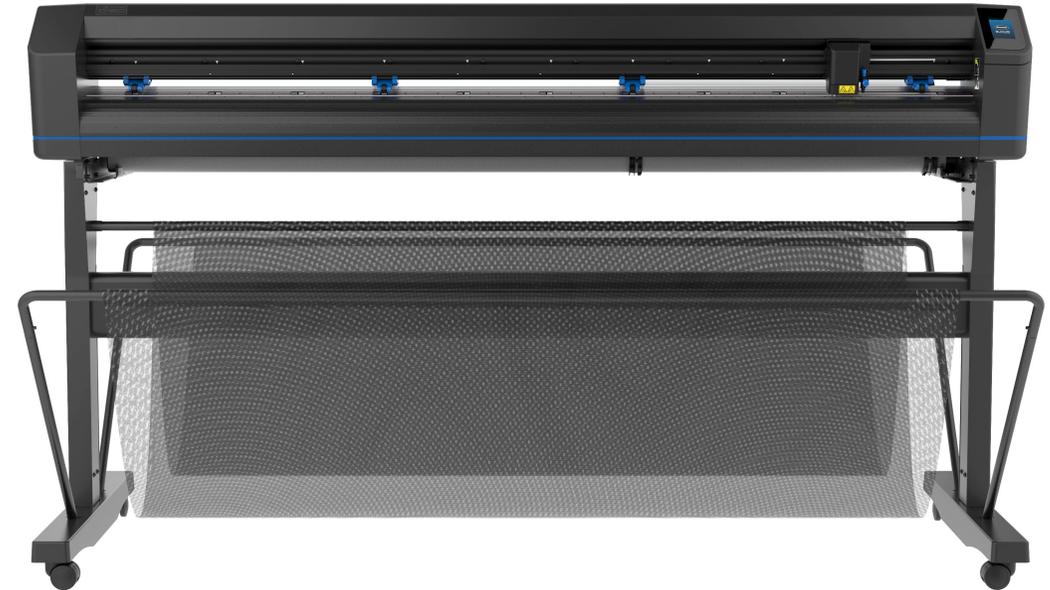


# Why choose S One

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What are the benefits to your business:

1. Reduce costs through **Productivity**
  - Reliability
  - Ergonomics
  - High working speeds
  - Automation workflow options
2. Deliver the best **Quality** to your customer
  - Excellent cutting quality
  - Unmatched contour-cut accuracy
  - Future-proof with high durability
3. Get more out of your job with increased **capabilities**



S One D160



# Productivity

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## Reliability

Nothing can be more frustrating than having to start over because a machine has ruined the job. The S One Series is built on Summa's Legendary Performance, featuring key elements to process the job flawlessly:

- Excellent tracking performance
- An efficient OPOS sensor
- A smart FlexCut feature, avoiding material crashes

## Ergonomics

A complex machine setup is time-consuming and might even generate human errors. To avoid this, the S One Series includes:

- An intuitive touchscreen
- Internal intelligence, minimising human errors and operator intervention
- Blue mechanical parts for quick navigation

## High working speeds

The faster the system, the more jobs can be processed.

S One roll cutters enable this with:

- A fast servo system
- An OPOS Y-line system

## Automation workflow options

Automation and an optimised workflow are key to reduce operator labour time and increase yield noticeably. We guarantee this through:

- A barcode workflow, enhancing automation maximally
- Powerful GoSign software, tailored to the Summa roll cutter user's needs and requirements

# S ONE SERIES



## Reliability / Tracking

Nothing can be more frustrating than having to start over because a machine has ruined the job. The S One Series is built on Summa's Legendary performance, featuring the following key elements to process the job flawlessly:

- Reliable material transport or Tracking
- Not only do we guarantee the success of long jobs in one single go. If you don't want to challenge the system, extra internal intelligence such as material pre-loading and paneling options also increase the control and stability on cutting jobs of longer lengths.
- The tracking system allows to process job after job, cutting a complete roll without reloading. Meanwhile, you can attend to other things without a worry in the world.

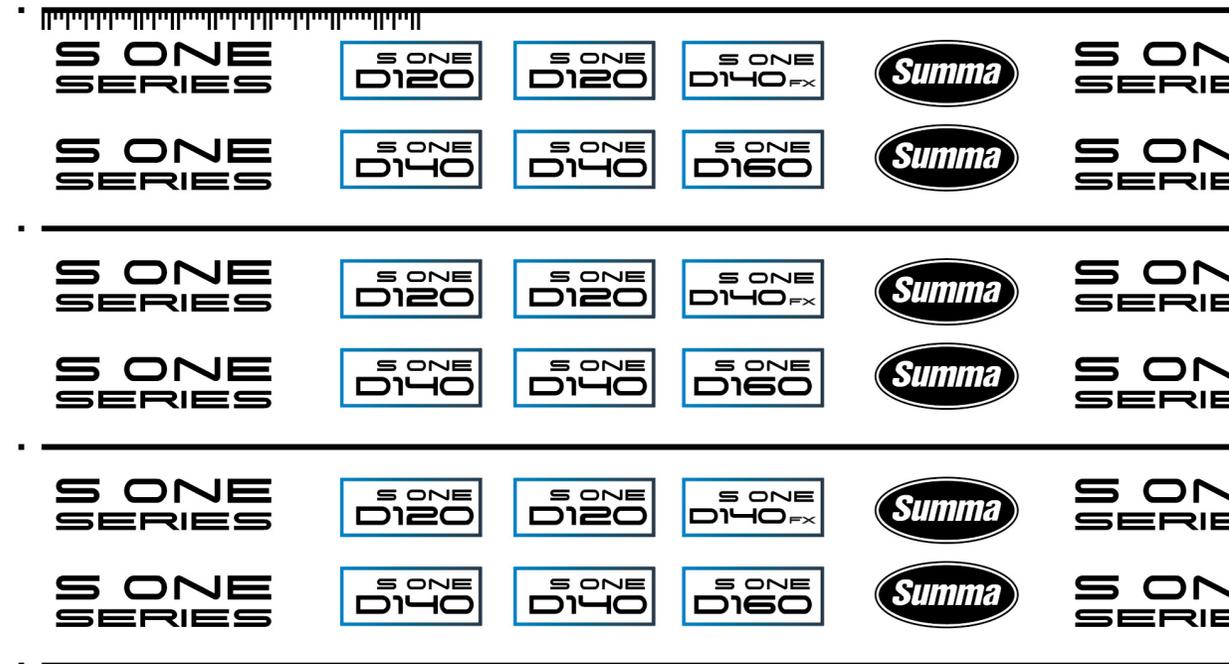


Guaranteed job length	S One
Rolls < 76 cm	8 m
Rolls > 76 cm	4 m

## Registration marks

The OPOS Sensor system can read registration marks on a wide variety of material, e.g. reflective material, including different laminates, e.g. UV-blocking or textured laminates.

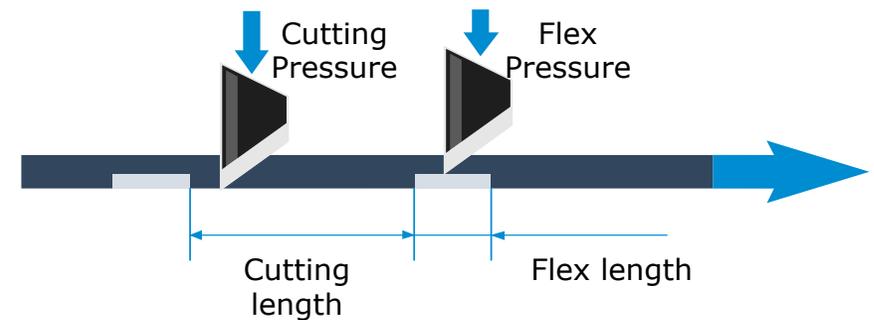
- Automatic compensation (no parameter setting) for the bleed, which varies depending on the print.
- Outside light is blocked, so the system is reliable in all circumstances.
- The solid barcode can also be detected when the material is printed with inferior quality or in case the material is structured.
- By lowering the sensor on the material, measurements are done on a constant height for higher accuracy.
- **Note:** The S One OPOS sensor now embeds an automatic and more robust up/down system. This makes the S One roll cutter faster and more stable compared to the SummaCut roll cutter.



# FlexCut

Summa's FlexCut feature enables to perforate material, so the design can be pushed out of its carrier easily.

- Summa's FlexCut feature has unique optimisations, increasing reliability for the use on a wide range of materials.
- To use FlexCut you do not need to switch the knife position, as everything is handled by internal programming.

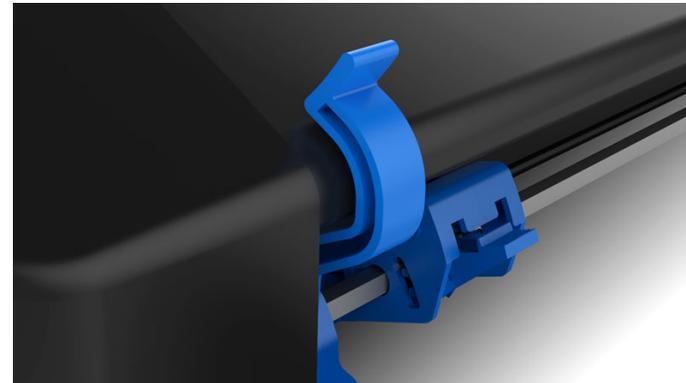
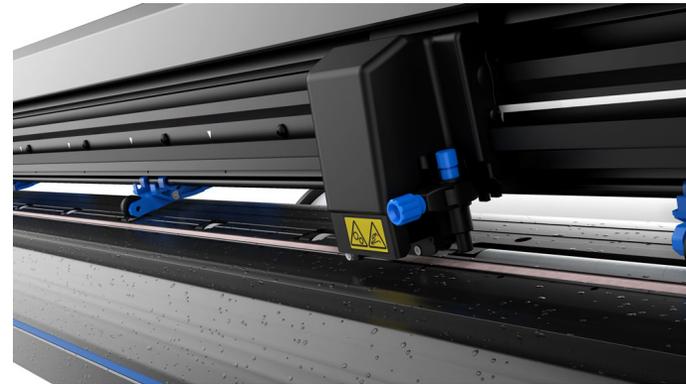


# Ergonomics

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Adjustable mechanical parts are highlighted with a light blue color. This enables the operator to quickly navigate between these parts.

- Pinch roller blocks
  - To move the pinch rollers to the right position depending on the material size
- Material handle
  - To lower and raise the pinch rollers
- Knife holder
  - To change or adjust the knife



## Touch Screen

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The S One coloured touchscreen increases the ease-of-use:

- The most relevant information can be checked at a glance
- The simplified layout enables quick and easy navigation of the parameters

The WiFi connection facilitates moving the unit in case of space limitations or in function of cable connections.

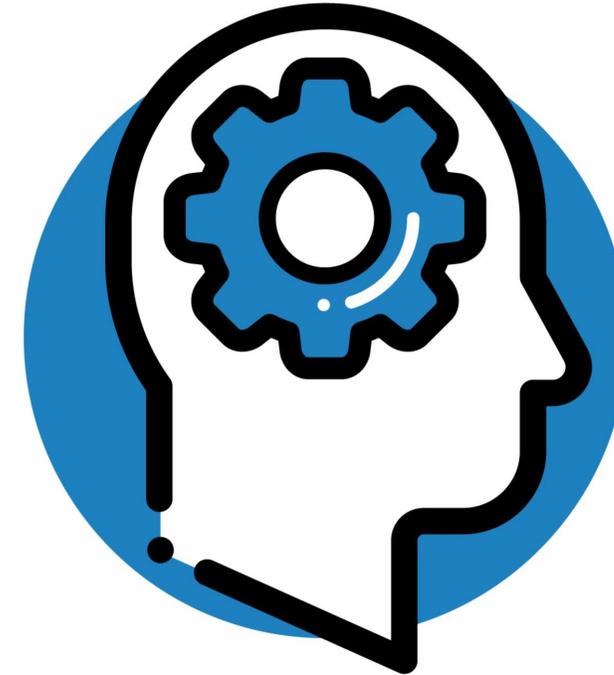


## Internal intelligence

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The internal intelligence automates certain tasks and reduces operator actions and human errors.

- All relevant speed settings are standard linked to the main velocity parameter. This minimises the amount of parameters to change when more demanding material types need to be cut.
- When contour cutting using the OPOS system, the oversized mode is automatically activated, preventing unexpected clipping.
- The standard activated autoloader functionality doesn't require preloading by the operator.
- With the OPOS barcode, operator mistakes are avoided. Each job has a unique barcode identifier to match the correct contour with the print job. Also, the rotation is adjusted automatically.
- See FlexCut feature



## State-of-the-art drive system

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The S One servo motor drive system is outstanding when it comes to quality and speed.

Once TurboCut is enabled, the cutter can compete with most premium positioned competitive products.

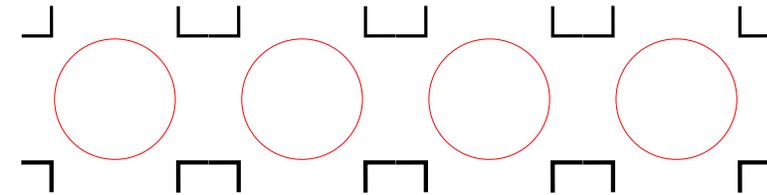
- Although the speed parameter is similar as the one from the competition, the S One roll cutter is more productive in most cases. The state-of-the-art drive system ensures the machine can still cut at high speeds, even in the most challenging curves.
- Please, find more information **in the competitive overview**.



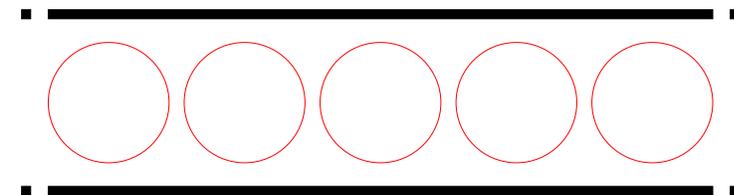
## Speed: OPOS (Y-Line)

The S One OPOS roll cutter has an extremely fast sensor system, increasing the speed by which registration marks are read.

- Nevertheless, compared to the fastest competitive system, we notice the S One roll cutter needs 4 seconds more to read the corner marks. However, this small loss is negligible (see next point).
- On the other hand, the OPOS system reads double the amount of information to compensate bleed. So, no bleed adjustment is required which saves a lot more time than 4 seconds.
- By using Y-lines the reading process will be accelerated significantly. For instance, if the cutter reads a set of four corner marks five times, you will save 30 seconds per row by using the Y-line system.
- **Note:** Placing crop marks around each copy requires much more space. The Y-line system allows better nesting to avoid this.
- The S One roll cutter is equipped with an automatic up/down system, increasing performance noticeably compared to a SummaCut roll cutter.



Crop Mark System



Summa OPOS System

# GoSign Workflow

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- Automation and an optimised workflow are key to reduce operator labour time. So, while the S One roll cutter does the cutting job, the operator can focus on other tasks.
- With the OPOS barcode, operator mistakes are avoided. Each job has a unique barcode identifier to match the correct contour with the print job. Also, the rotation is adjusted automatically with the OPOS barcode system.
- The ultimate automation is the OPOS Barcode functionality that allows to process job after job without operator intervention.
- Summa roll cutter drivers are available in all major RIP's.
- The new GoSign software has flexible action sets to optimise your workflow



# GoSign Workflow

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GoSign is included free of charge with all Summa roll cutters.

This software enables to import PDF, SGP, OXF and DXF files. It scales, rotates and prepares the design for cutting. GoSign can add a weeding box and it can also automate certain tasks you to make your designs ready to cut. Gosign software includes the following features.

- Material manager to save various material settings such as speed, pressure, camera profile for OPOS CAM
- Ability to create your own action sets to automate workflows
- Available in several languages: English, German, French, Italian, Spanish, Polish and Dutch
- Available as a plug-in for CorelDRAW & Illustrator
- Capable of controlling multiple Summa devices simultaneously
- Network-friendly and able to function similarly to any other network printer
- Able to cut based on colours
- Includes support for Summa's dual cut feature, which combines the Kiss-Cut and FlexCut feature in one job
- Includes the sorting functionality to increase productivity
- The extra DXF import filter makes GoSign a handy software for CAD users
- GoSign recognizes OPOS marks, ensuring the required information is sent to the cutter to activate the system
- PLT file reading, enabling to use and adapt pre-generated plt cut files
- Pro Pack: Hot folder system, to drop cut files in a hot folder and automatically send them to the cutter. This system also allows you to add certain action to the job before output
- Pro Pack: OPOS CAM Twin workflow, combining the strengths of an OPOS X (standard) roll cutter and a Summa flatbed cutter in one single workflow (not applicable on S One)
- Pro Pack: Barcode functionality, enabling to modify cut files and optimise cutting requirements



# Quality

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To guarantee the highest quality, the S One roll cutter ensures:

- Top-notch cutting quality
- Pinpoint contour cutting accuracy by the enhanced OPOS marker system
- Focus on productivity and high-level support

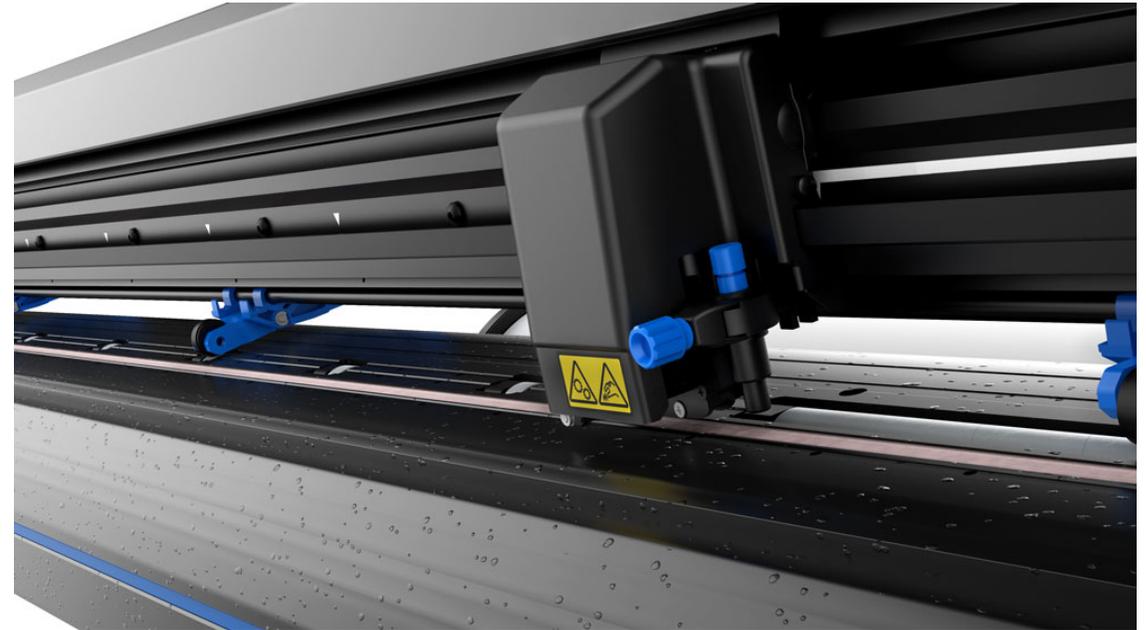


# Cutting Technology

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The Summa drag head is optimised to get the best out of the drag knife technology:

- The state-of-the-art drive system ensures the machine can still cut at high quality even when cutting intricate designs at very high speeds
- The OverCut and OptiCut functionalities improve the cutting quality in corners and ensure easy weeding
- Accurate pressure setting in 5 grams steps from 0 to 600 grams

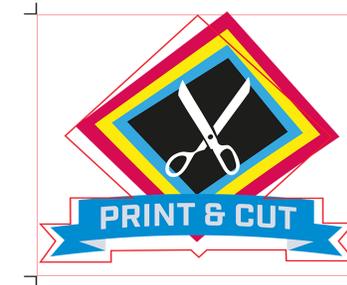
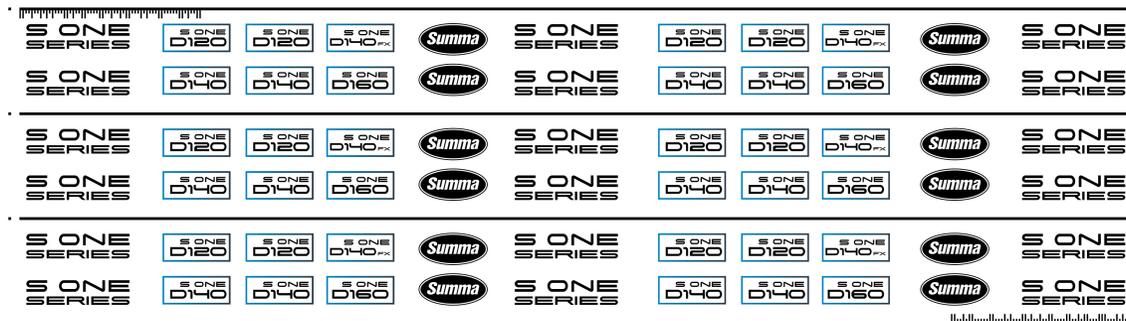


# OPOS

Pinpoint contour cutting accuracy is guaranteed by a most enhanced OPOS registration mark system. Availability of different modes (OPOS, OPOS XY, OPOS XY2 & OPOS Xtra) with preferences for speed or accuracy:

- 128 marks/job
- 64 Y-lines/job
- Barcode for automatic processing

The OPOS segmentation automatically splits the jobs in smaller segments to obtain more reliable and accurate results.



Without OPOS



With OPOS

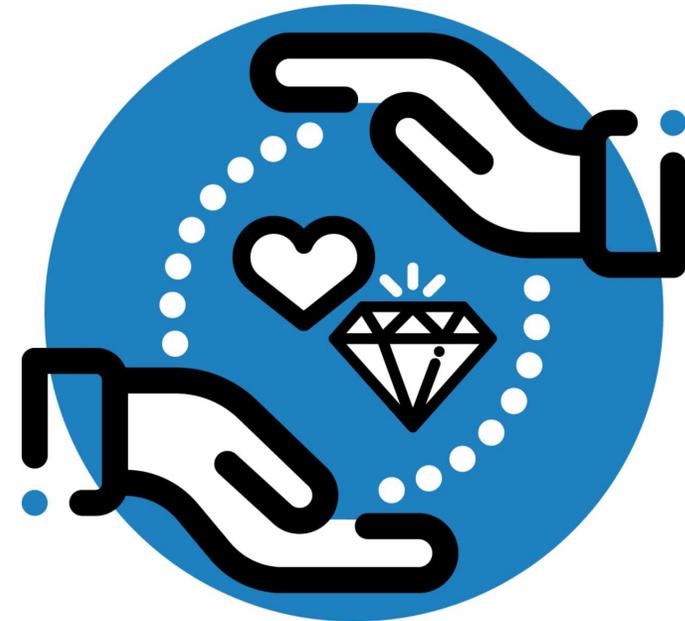


## Build

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Summa S One vinyl cutters are built according to strict requirements, specific to Summa products.

- Summa S One vinyl cutters are designed with premium up-to-date components for long durability.
- In rare cases where something would go wrong, sturdy replacement parts are easily available and will keep you going for many years to come.
- S One products allow quick and easy servicing.



# Capabilities

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- The combination of features makes the S One roll cutter a flexible and future-proof unit.
- With 600 gr of pressure even laminated design can be cut with ease.
- The OPOS sensor system can read registration marks on a wide variety of substrates, e.g. reflectives, including different laminates, e.g. UV blocking or textured laminates.
- The smart FlexCut feature makes it possible to perform kiss-cutting as well as perforation cutting.
- The tracing accuracy, autoload feature, paneling feature and multiple mark OPOS system enable the processing of long jobs with the same ease as processing short jobs.



S One D60



# Product demonstration

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**S ONE**  
**SERIES**



Summa S One Series  
What's new & key benefits

## Section 3: Launch information

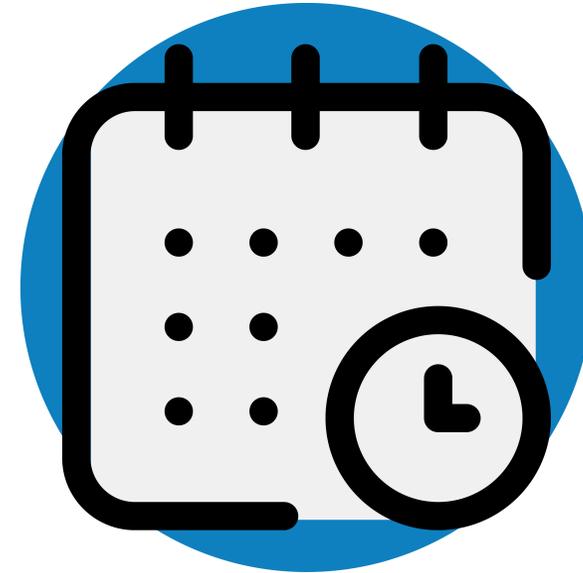
**S ONE  
SERIES**



# Timing

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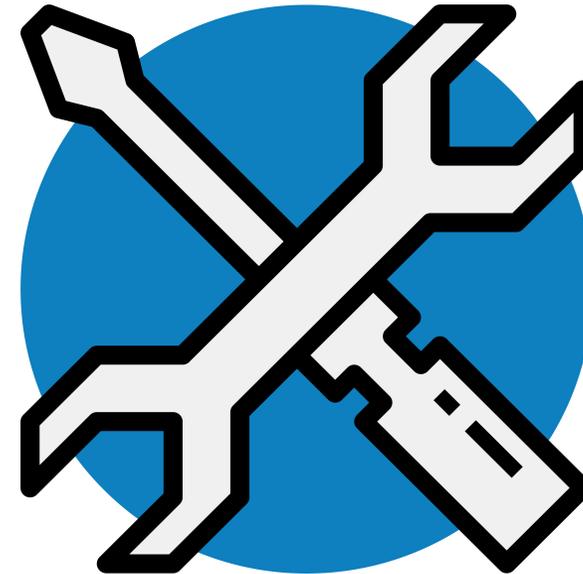
- **Public launch: February 2, 2021**
- The product remains strictly confidential until February 2, 2021
  - No public announcements
  - **No announcements to resellers**
- Shipments as of February 2, 2021
- Orders can be placed as of December, 2020
- Training on roll cutters as of December include S One Series
- SummaCut is EOL
  - Availability varies depending on the model
  - Gradually phasing out SummaCut (case by case approach)



# Technical Service

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- Future Technical trainings include the S One Series
- Service Pack (Service Manual)
  - Service Maintenance
  - Diagnostics
  - Spare part guide
  - Parts replacement
    - With videos where appropriate
    - QR codes included with the spare parts
  - Error Codes
- Freshdesk (December - February)  
[support.summa.com](https://support.summa.com)
- Short Q&A sessions.
- **First Aid Kit: we strongly advice to order it**
- [Consider Spare Part Contracts](#)



# Launch Pack Documentation

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## Pre Launch product information includes:

- Pre-launch presentation:
  - What's new
  - Key benefits
  - Launch information
- Product presentation
- Competitive Overview
- Price List
  - Discount change applies:  
Contact your Summa Sales Representative.
- Specifications document
  - Includes Shipping dimensions, WiFi compatibility, ...
- S One product images



# Public Launch Documentation

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Documentation prior to the public launch February 2, 2021

- S One product video
- S One product images
- New product brochure
- Website content
- S One Press release
- Any updated product information
- CE-certificate

**S ONE  
SERIES**



Summa S One Series  
What's new & key benefits



**Legendary Performance**

## CONTINUOUS IMPROVEMENT

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