

## SUMMA ROLL CUTTERS

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S One | S Class 2 Series

World renowned vinyl and contour cutters

Imma

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## ABOUT SUMMA

Summa is a manufacturer of innovative cutting equipment that helps companies and people to finish their applications to the highest standards. Delivering outstanding quality conforming these high standards, has secured the Summa reputation for legendary performance.

Companies from all over the world use Summa cutting solutions for products in the printing, signage, display, apparel and packaging industry. With the cutting solutions from Summa your business is futureproof for many years to come.

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The Summa vinyl cutters are developed to grow with your bu Enjoy the countless possibilities all in one machine.	isiness.
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Powerful, in-house developed software tailored to the Summa roll cutter series.

## SUMMA VINYL CUTTERS, MADE TO LAST

100

Summa offers two advanced vinyl roll cutting product lines based on over 30 years of experience in building the world's very best cutting plotters: the Summa S One Series and Summa S Class 2 Series.

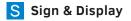
Both series are designed on a foundation of rock-solid reliability and outstanding expertise. They feature the highest quality engineering and most advanced cutting technology to deliver high-end contour cutting accuracy for printed graphics.

A Summa vinyl cutter is your first choice roll cutter where value and reliability are top of mind. Equipped with smart technologies to help you finish your jobs flawlessly. Enjoy the easy-to-use features to tailor your cutting workflow most efficiently.

S Class 2 Series and S One Series

#### **Applications**

The Summa roll cutter series are designed to deliver a wide range of applications for the Sign & Display market. Achieve perfectly cut stickers, traffic signs, billboards and so on with the S Class 2 and S One roll cutters now and for many years to come!



The world of Sign and Display is broad and versatile. Summa vinyl cutting solutions can optimise your print & cut workflow, meet your customers' deadlines and deliver perfectly finished end-products.

• (One-off) Stickers

• Window Stickers

• Vehicle lettering and graphics

• Labels

- Window lettering
- Flock/Flex templates
- Intricate small letters/designs
- Technical textiles







"Thanks to the use of the Summa vinyl cutter, we are able to create new opportunities and solutions, such as the processing of nautic sails. This particular substrate is a special textile, which is very hard and rigid to print and cut. In the past, we didn't succeed in processing them properly. But thanks to Summa's expertise – in both product and service - we are now able to deliver these sails with great finishing results. "

/ Industria Graphica FG about investing in a Summa S Class 2 T160

## SUMMA S ONE SERIES, MADE TO GROW AT YOUR BUSINESS' PACE

With the S One Series, Summa offers a future-proof and reliable cutting product line, designed on the basis of years of experience, up-to-date techniques and by listening carefully to the customers' cutting needs. Various types of roll stock such as flock, vinyl and soft sheet materials can be processed efficiently and rapidly. A multitude of intelligent features combined with sleek ergonomics make the S One Series the ideal vinyl cutter to grow with your business.

Summa S One Series

#### The One to change the game

The S One Series is the next step in growing your business and was designed with a focus on ergonomics and simplicity in usage. An extremely fast OPOS sensor system compensates for any deformation of the print and increases the speed by which registration marks are read. An efficient drag knife offers a pressure of 600 grams, enabling to cut laminated designs with ease. The sophisticated OPOS Xtra feature allows to process most intricate small sticker jobs with the highest accuracy.

Summa's legendary tracking system allows to process job after job, cutting a complete roll up to 8 meters without reloading. The very durable titanium coated grit rollers assure you can work intensively for many years with the best tracking system available on the market. Extra internal intelligence minimises human errors and operator intervention.

State-of-the-art engineering, sophisticated GoSign software and versatile enhancement options have been combined to deliver umatched performances. This is what makes the S One your first choice cutter where value and reliability are top of mind.

#### **Key features**

The S One Series is available in different sizes and different configurations. However, all units have basic features in common, each of which contributing to the strength, reliability and ease-of-use of the cutter.

#### Advanced cutting technology

The S One Series offers you leading-edge cutting technology without compromise. Up-to-date techniques deliver highest contour cutting accuracy for printed graphics. This makes the S One roll cutter a flexible and future-proof unit. The perfect companion for your business!

#### Ease-of-use

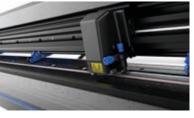
Enjoy enhanced ease-of-use with integrated intelligent features, such as an intuitive touchscreen, blue mechanical parts for easy navigation and easy connectivity to most common computers in the market.

#### Summa GoSign software

GoSign is your first choice cutting software designed for the Summa roll cutters. Manage your preferred workflow with great flexibility and automated cutting options, custom configuration of action sets, easy plug-ins for design programs and much more.

#### Legendary performance

The S One Series is built on Summa's legendary performance, featuring an excellent material transport system to process the job accurately and continuously. The next OPOS evolution is the OPOS Xtra alignment method, designed to handle irregular material deformation over the length of the print by adding extra XY lines between the designs. This method is especially beneficial for the processing of small sticker jobs.







#### Summa S One Series line up

## SUMMA SI D60

The S1 D60 is Summa's smallest vinyl roll cutter and represents the ideal cutting solution for startup sign makers who want to automate their cutting workflow and extend their cutting applications. This handy-sized roll cutter might be small, but shows you great performances, day in day out.

#### **Key Benefits**

- Advanced cutting technology
- Ergonomic Design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity options
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic, mirroring materials
- In- and outdoor signage
- Traffic signs
- Safety indications
- Vehicle and window lettering

#### Media Add- Ons

The smallest S1 D60 model can be equipped and retrofitted with an optional stand or stand + basket. The mesh basket collects the cut media, preventing dust and debris from sticking onto the media. The basket also neatly organizes vinyl and other media when processing multiple jobs.

- Optional stand only
- Optional basket only
- Optional stand + basket





#### **Technical Specifications**

Model	S1 D60			
Dimensions	97 x 40.6 x 30.4 cm			
Media Width	7.9 to 70.5 cm			
Max. Working width   Oversized mode*	59 cm x 50 m   65 cm x 50 m			
Alignment Type	OPOS X - OPOS Xtra     Barcode job recognition     Up to 2 x 64 marks     on the X-line     Y-Line compensation			
Tracking Performance	8 m max. within guaranteed specifications for media less than 762 mm	4 m max. within guaranteed specifications for media larger than 762 mm		
Accuracy	0.2% of move or 0.25 mm, whi	chever is greater		
Speed	Up to 1131 mm/s diagonal			
Acceleration	Up to 3 G diagonal			
Knife Pressure	0 to 600 gr			
Other Features	FlexCut (cutting through)			
Connectivity	Ethernet, USB, WiFi (region dependent)			
Power requirements	100-240 VAC, 50/60 Hz			
Included software	Summa GoSign Software, Sumr	na Cutter Control		

#### **Smart Features**

The S One cutter is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Drag knife technology
- Coloured touchscreen
- Up to 600 gr of knife pressure
- Cutting accuracy with OPOS Xtra alignment
- Automation with the barcode workflow
- Up to 8 m tracking garantueed
- FlexCut (cutting through)
- Connectivity: USB, Ethernet & WiFi (region dependent)
- Summa GoSign software



## SUMMA SI DI20

The S1 D120 is the ideal intermediate size for many cutting jobs. All S One models were designed from the base with the user in mind. They represent the ideal cutting solution for sign makers who want to automate and level up their cutting workflow. The S One Series is your first choice where value and reliability are top of mind.

#### Key Benefits

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic, mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering

#### Media add-on

Summa S One vinyl cutters are designed with premium up-to-date components for long durability. On top of this, all models include a combination of integrated or optional media add-ons, to facilitate the operator's life.

- Stand included
- Optional basket
- Extra pinch roller option available (factory installed)





Video: Scan the QR code to watch all the Summa videos

#### **Technical Specifications**

Model	S1 D120		
Dimensions	161.5 x 70.4 x 111.2. cm		
Media Width	13.3 to 135 cm		
Max. Working width   Oversized mode*	123.5 cm x 50 m   129.5 cm x 5	50 m	
Alignment Type	OPOS X - OPOS Xtra     Barcode job recognition     Y-Line compensation		
Tracking Performance	8 m max. within guaranteed specifications for media less than 762 mm	4 m max. within guaranteed specifications for media larger than 762 mm	
Accuracy	0.2% of move or 0.25 mm, which	chever is greater	
Speed	Up to 1131 mm/s diagonal		
Acceleration	Up to 3 G diagonal		
Knife Pressure	0 to 600 gr		
Other Features	FlexCut (cutting through)		
Connectivity	Ethernet, USB, WiFi (region dependent)		
Power requirements	100-240 VAC, 50/60 Hz		
Included software	Summa GoSign Software, Summ	na Cutter Control	
*In 'Oversized' mode the	tracking performance is no longe	arguaranteed	

#### Smart Features

The S One cutter is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Drag knife technology
- Coloured touchscreen
- Up to 600 gr of knife pressure
- Cutting accuracy with OPOS Xtra alignment
- Automation with the barcode workflow
- Up to 8 m/26 ft tracking guaranteed
- FlexCut (cutting through)
- Connectivity: USB, Ethernet & WiFi (region dependent)
- Summa GoSign software



## SUMMA SI DI40 (FX)

The S1 D140 is the ideal intermediate size for many cutting jobs. All S One models were designed from the base with the user in mind. They represent the ideal cutting solution for sign makers who want to automate and level up their cutting workflow. The S One Series is your first choice where value and reliability are top of mind.

#### **Key Benefits**

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic, mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering

#### Media Add- On

To facilitate the operator's life, all S One models include a combination of integrated or optional media add-ons.

- Stand included
- Optional basket
- Extra pinch roller option available (factory installed)







Video: Scan the QR code to watch all the Summa videos

#### **Technical Specifications**

	Model	S1 D140		
Max. Working width   Oversized mode*       138.5 cm x 50 m   144.5 cm x 50 m         Alignment Type       • OPOS X - OPOS Xtra • Barcode job recognition       • Up to 2 x 64 marks on the X-line • Y-Line compensation         Tracking Performance       8 m max. within guaranteed specifications for media less than 762 mm       4 m max. within guaranteed specifications for media larger than 762 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 1131 mm/s diagonal         Acceleration       Up to 3 G diagonal         Knife Pressure       0 to 600 gr         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB, WiFi (region dependent)         Power requirements       100-240 VAC, 50/60 Hz	Dimensions	176.5 x 70.4 x 111.2. cm		
I Oversized mode*       138.5 cm x 50 m   144.5 cm x 50 m         Alignment Type       • OPOS X - OPOS Xtra • Barcode job recognition       • Up to 2 x 64 marks on the X-line • Y-Line compensation         Tracking Performance       8 m max. within guaranteed specifications for media less than 762 mm       4 m max. within guaranteed specifications for media larger than 762 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 1131 mm/s diagonal         Acceleration       Up to 3 G diagonal         Knife Pressure       0 to 600 gr         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB, WiFi (region dependent)         Power requirements       100-240 VAC, 50/60 Hz	Media Width	18.7 to 150 cm		
Alignment Type       • 0005 X - 0005 Xtra Barcode job recognition       on the X-line • Y-Line compensation         Tracking Performance       8 m max. within guaranteed specifications for media less than 762 mm       4 m max. within guaranteed specifications for media larger than 762 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 1131 mm/s diagonal         Acceleration       Up to 3 G diagonal         Knife Pressure       0 to 600 gr         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB, WiFi (region dependent)         Power requirements       100-240 VAC, 50/60 Hz	-	138.5 cm x 50 m   144.5 cm x 5	50 m	
Tracking Performance     specifications for media less than 762 mm     specifications for media larger than 762 mm       Accuracy     0.2% of move or 0.25 mm, whichever is greater       Speed     Up to 1131 mm/s diagonal       Acceleration     Up to 3 G diagonal       Knife Pressure     0 to 600 gr       Other Features     FlexCut (cutting through)       Connectivity     Ethernet, USB, WiFi (region dependent)       Power requirements     100-240 VAC, 50/60 Hz	Alignment Type	Barcode job recognition     on the X-line		
Speed       Up to 1131 mm/s diagonal         Acceleration       Up to 3 G diagonal         Knife Pressure       0 to 600 gr         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB, WiFi (region dependent)         Power requirements       100-240 VAC, 50/60 Hz	Tracking Performance	specifications for media		
Acceleration       Up to 3 G diagonal         Knife Pressure       0 to 600 gr         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB, WiFi (region dependent)         Power requirements       100-240 VAC, 50/60 Hz	Accuracy	0.2% of move or 0.25 mm, whic	hever is greater	
Knife Pressure     0 to 600 gr       Other Features     FlexCut (cutting through)       Connectivity     Ethernet, USB, WiFi (region dependent)       Power requirements     100-240 VAC, 50/60 Hz	Speed	Up to 1131 mm/s diagonal		
Other Features     FlexCut (cutting through)       Connectivity     Ethernet, USB, WiFi (region dependent)       Power requirements     100-240 VAC, 50/60 Hz	Acceleration	Up to 3 G diagonal		
Connectivity         Ethernet, USB, WiFi (region dependent)           Power requirements         100-240 VAC, 50/60 Hz	Knife Pressure	0 to 600 gr		
Power requirements 100-240 VAC, 50/60 Hz	Other Features	FlexCut (cutting through)		
	Connectivity	Ethernet, USB, WiFi (region dependent)		
Included software Summa GoSign Software, Summa Cutter Control	Power requirements	100-240 VAC, 50/60 Hz		
	Included software	Summa GoSign Software, Summ	a Cutter Control	

#### **Smart Features**

The S One cutter is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Drag knife technology
- Coloured touchscreen
- Up to 600 gr of knife pressure
- Cutting accuracy with OPOS Xtra alignment
- Automation with the barcode workflow
- Up to 8 m/26 ft tracking guaranteed
- FlexCut (cutting through)
- Connectivity: USB, Ethernet & WiFi (region dependent)
- Summa GoSign software
- Fixed Position (FX)

The S1 D140FX model has fixed pinch roller positions, meaning any media size can be loaded but margins cannot be minimised. It is the ideal model for customers with a low workload where the direct cut method is not a focus.

### SUMMA SI DI60

The S1 D160 is Summa's largest roll cutter size, offering great flexibility in the cutting workflow with the ability to process many job sizes. All S One models represent the ideal cutting solution for sign makers who want to automate and level up their cutting workflow. The S One Series is your first choice where value and reliability are top of mind.

#### **Key Benefits**

- Drag cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic, mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering

#### Media Add- On

Summa S One vinyl cutters are designed with premium up-to-date components for long durability. On top of this, all models include a combination of integrated or optional media add-ons, to facilitate the operator's life.

- Stand included
- Extra pinch roller option available (factory installed)





Video: Scan the QR code to watch all the Summa videos

#### **Technical Specifications**

Model	S1 D160		
Dimensions	196 x 70.4 x 111.2. cm		
Media Width	18.7 to 169 cm		
Max. Working width   Oversized mode*	158 cm x 50 m   164 cm x 50 r	n	
Alignment Type	OPOS X - OPOS Xtra     Barcode job recognition     Up to 2 x 64 marks     on the X-line     Y-Line compensation		
Tracking Performance	8 m max. within guaranteed specifications for media less than 762 mm	4 m max. within guaranteed specifications for media larger than 762 mm	
Accuracy	0.2% of move or 0.25 mm, whichever is greater		
Speed	Up to 1131 mm/s diagonal		
Acceleration	Up to 3 G diagonal		
Knife Pressure	0 to 600 gr		
Other Features	FlexCut (cutting through)		
Connectivity	Ethernet, USB, WiFi (region dependent)		
Power requirements	100-240 VAC, 50/60 Hz		
Included software	Summa GoSign Software, Summa Cutter Control		

#### Smart Features

The S One cutter is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Drag knife technology
- Coloured touchscreen
- Up to 600 gr of knife pressure
- Cutting accuracy with OPOS Xtra alignment
- Automation with the barcode workflow
- Up to 8 m/26 ft tracking guaranteed
- FlexCut (cutting through)
- Connectivity: USB, Ethernet & WiFi (region dependent)
- Summa GoSign software



# S ONE SPECIFICS | [2

## S ONE SPECIFICS

The Summa S One Series is built on a foundation of experience and commitment to offer top-of-the-line cutters at a wallet-friendly price. S One cutters use the popular drag-knife technique, where a high-speed cutting head, legendary tracking and an optical positioning system play a leading roll.

#### Drag Knife Technology

Drag or swivel technique is the most commonly used technique in the market to process designs for billboards, light boxes, window graphics and so on. However, depending on the media thickness, some distortions or deviations in the corners may occur by using this technique.

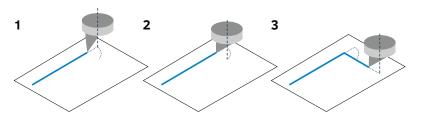
This is why Summa S One cutters include enhanced methods to avoid such distortions and optimise the drag movement in order to obtain the best possible cutting quality.

#### **Drag movement**

**1** | The drag knife stops cutting before entering a corner.

**2** | The eccentric blade is rotated by performing a drag movement to the desired angle, never leaving the media.

**3** | Once the drag-movement is completed, the corner cutting continues.



#### **Internal Intelligence**

Summa cutters are loaded with intelligent routines, optimising the cutting data. All Summa cutters use an advanced vector look-ahead technology that cuts complex images and lettering with improved efficiency. The cutting time is reduced considerably, curves are smoother, and the motors are less loaded, which increases the lifetime of the plotter. Other intelligent features include:

#### Overcut

OverCut extends the vector at the beginning and at the end of a curve. This ensures the design is cut through completely. Without the OverCut function, the cut line may not be completely closed, causing difficulties when weeding.

#### OptiCut

OptiCut, a function specially developed for drag knife cutters, simulates tangential cutting. Due to performance of complex movements, the OptiCut feature compensates for changes in the blade offset, caused by wear and tear. The OptiCut feature ensures the knife is orientated correctly. This revolutionary technology gives you optimal quality during your blade's lifetime.

#### Summa FlexCut

Summa's FlexCut feature enables you to cut simple designs completely through the material. Alternately, one length is cut completely through the material, and one length is cut halfway through. This way a kind of tear-off line is created, ensuring the material keeps a certain rigidity during transportation through the Summa cutter, while remaining easy to remove from the design afterwards.

#### **Material Transport**

Material transport is probably one of the most important issues when cutting vinyl. The slightest error can result in material waste, loss of time and operator frustrations. Summa offers an exquisite tracking system and extensive range of features to ensure your S One cutter performs perfectly and flawlessly. Each time again for many years to come.

#### **Registration Marks (OPOS Contour Cutting)**

Summa's automated contour alignment system OPOS stands for Optical Positioning System. The OPOS sensor registers printed squares that are placed around the graphic. This allows OPOS to determine the exact position of the printed graphic and enables you to die-cut valuable printed and laminated vinyl graphics with complete confidence and ease.

#### OPOS X

The OPOS X feature, standard on all Summa models, automatically looks for the cross marks by using a sensor. The possibility to use multiple cross marks is a unique OPOS feature and guarantees the best possible accuracy. The OPOS X sensor even detects registration marks through dense laminated graphics with uneven texture and brings contour cutting to a much higher level.

#### OPOS XY / OPOS XY2

The OPOS XY alignment method allows to measure a line across the print width, in addition to the OPOS marks. This will automatically adjust media curvature or deformation across the width of the print. The OPOS XY2 alignment method adds an extra measurement line at the rear of the print, allowing to compensate for any changes in print curvature between start and finish of your print job.

#### **OPOS Barcode**

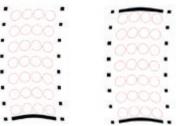
The barcode reading functionality is a productivity tool. Multiple jobs can thus be processed without operator intervention. Also, the risk of sending the wrong data to the wrong print no longer exists. The OPOS X sensor reads the barcode and sends the correct job number to the computer. The computer then provides the matching cutting information which is immediately processed by the cutter. When the job is finished the cutter automatically starts looking for the next job and its barcode.

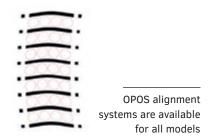
#### **OPOS** Xtra

The next evolution in OPOS is OPOS Xtra. This alignment mode is designed to handle irregular material deformation over the length of the print by adding additional XY lines between the designs. This increases the accuracy and alignment methodology for smaller stickers.









## TECHNICAL SPECIFICATIONS

Model	S1 D60	S1 D120	S1 D140	S1 D160		
Dimensions	97 x 40.6 x 30.4 cm	161.5 x 70.4 x 111.2 cm	176.5 x 70.4 x 111.2 cm	196 x 70.4 x 111.2 cm		
Media Width	7.9 to 70.5 cm	13.3 to 135 cm	18.7 to 150 cm	18.7 to 169 cm		
Max. Working width Oversized mode*	59 cm x 50 cm 65 cm x 50 m	123.5 cm x 50 cm 129.5 cm x 50 m	138.5 cm x 50 cm 144.5 cm x 50 m	158 cm x 50 cm 164 cm x 50 m		
Pinchrollers	2	3	4 (3 for FX)	4		
Alignment Type	<ul> <li>OPOS X - OPOS Xtra</li> <li>Barcode jobrecognition</li> </ul>	OPOS X - OPOS Xtra     Barcode jobrecognition     Up to 2 x 64 marks on the X-line     Y-Line compensation				
Tracking Performance	8 m max. within guaranteed specifications for media less than 762 mm 4m max. within guaranteed specifications for media larger than 762 mm					
Accuracy	0.2% of move or 0.25 mm, whichever is greater					
Speed	Up to 1131 mm/s diagonal					
Acceleration	Up to 3 G diagonal					
Knife Pressure	0 to 600 gr	0 to 600 gr				
Other Features	FlexCut (cutting through)					
Connectivity	Ethernet, USB, WiFi (region dependent)					
Power requirements	100-240 VAC, 50/60 Hz					
Included software	<b>Included software</b> Summa GoSign <sup>™</sup> Software, Summa Cutter Control, MacSign <sup>™</sup> Cut Cutting Software					
*In 'Oversized' mode the t	racking performance is no	longer guaranteed.				









S1 D140 FX



S1 D160

S1 D60

S1 D120

S1 D140

#### **ORDER CODES** Order codes: S One Media Add-On Options 393-1125 Stand for S1D60 model Basket for S1D60 model Stand with Basket for S1D60 model Extra Pinch Roller (Factory installed) 393-1124 393-1100 393-1012 Software 395-995 Summa GoSign Pro Pack **General Accessories** 391-146 Razor Blades (10) 1NC40-67035 Razor Blades Holder 391-295 Razor Blades Holder + Foot 1NC40-67034 Set of 2 Core Holders 3" 395-401 399-111 Pinch Roll set (2) & Clips USB Cable A/B, 5M Set of 2 Core Holders 2" 400-561 423-155 Serial Interf. Cable Kit 423-183 Cable Serial DB9S-DB95 Black MC1184 1NC40-67032 Power Cable Cutting Strip Consumables Drag Knife 60°/ Dia 1.5 mm Drag Knife 55°/ Dia 2 mm (5 pc) Drag Knife Holder / Dia 2 mm (Copper) 391-231 391-358 391-363 395-430 Roller Ball Black (5 pcs) 395-431 Roller Ball Blue (5 pcs) Universal Penholder D - Head Standard Drag Knife Holder / Dia 1.5 mm Standard Drag Knife 36° / Dia 1.5 mm (5 pcs) Fibre Tip Black Pens (4 pcs) 395-434 9TL89-67033 9TL89-67041 MP06BK

Please contact your dealer for the complete list and pricing

## SUMMA S CLASS 2 SERIES, BUILT TO PROVIDE THE VERY BEST IN CONTOUR CUTTING

S Class 2<sup>™</sup> tangential and drag-knife cutters feature first-class engineering and advanced cutting technology to deliver astonishing contour cut accuracy for even the most challenging printed graphics. Summa S Class 2 cutters are built on a foundation of rock-solid reliability and include smart features to boost efficiency in your cutting workflow and grow along with your business needs and aspirations.

Leave nothing to chance and enjoy leading-edge contour cut excellence now and for many years to come!

Summa S Class 2 Series

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#### Level up with advanced cutting technology

The sign industry has gone through a tremendous amount of change over the years. So, your cutting equipment needs to be able to adapt and be both flexible and durable. Summa S Class 2 cutters are built on a foundation of rock-solid reliability and offer features to enhance efficiency in the cutting workflow. Like the finely-tuned suspension in a sports car, our world-renowned precision tracking system puts even more power under the hood to increase performance and yield. Combine this with a powerful dual servomotor and the S Class 2 cutter is your future-proof and reliable companion for many years to come.

From cutting all sorts of vinyl to accurate, digital die-cutting to plotting on paper and beyond, the Summa S Class 2 cutter is a do-it-all cutter with the strength to perform day in and day out. The accuracy of our European-crafted cutters is precisely what makes them so durable. Trust the processing of your expensive foils and valuable vinyl prints to our reliable S Class 2 cutters and you will not regret it. Not ever.

#### **Key features**

S Class 2<sup>™</sup> tangential and drag-knife cutters feature the highest quality engineering and most advanced cutting technology to deliver top-notch cutting accuracy for printed graphics. A broad range of integrated and optional features further enhance your cutting workflow and production to deliver perfectly cut end products fast and efficiently.

#### True Tangential cutting technology

The highly-engineered tangential cutting heads on the S Class 2 T Series power through heavy sandblast, paint mask and reflective materials with incredible ease, speed and accuracy. These exclusive cutting heads provide you with unrivalled, True Tangential Technology and unmatched die-cutting precision as no other in its class.

#### **G-Performance**

The optional G-Performance mode boosts the speed and performance of digital cutting operations by up to 40%. Its impact is especially noticeable on wider substrates and faster reading of the registration marks.

#### Fast and accurate cutting with OPOS CAM

The camera recognition alignment solution - OPOS CAM - allows customers in volume-driven workflow environments to excel with extremely fast precision and accurate cutting of short or long run contour cutting jobs.

#### Summa GoSign software

Powerful in-house GoSign software, allows you to manage your preferred workflow straightforwardly and with great flexibility.

#### Legendary performance

Reliable material transport through Summa's legendary tracking system combined with the smart OPOS Xtra feature guarantees meticulous processing of very small sticker jobs.









The S2 75 is Summa's smallest vinyl roll cutter from the S2 Series and represents the ideal cutting solution for startup sign makers who want to automate their cutting workflow and extend their cutting applications.

#### **Key Benefits**

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic, mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering

#### Advanced Cutting Head Technology

The S2<sup>™</sup> D Series unites legendary S Class power and precision with an efficient and affordable drag knife cutting head. The S2<sup>™</sup> T Series features a state-of-theart True Tangential<sup>™</sup> cutting head, cutting with more force and accuracy than any other cutter in its class.

All S2 models are designed with premium components and show resilience to perform day in and day out.





#### **Technical Specifications**

Model	S2 75		
Dimensions	141 x 68 x 111 cm		
Media Width	6 to 84 cm		
Max. Working width	74.2 cm x 50 m 'Oversized' mode allows a wide	r cutting area: +/7 cm	
Alignment Type	<ul> <li>OPOS X - OPOS Xtra</li> <li>OPOS - CAM (factory upgrade)</li> <li>Barcode job recognition</li> </ul>	<ul> <li>Up to 2 x 64 marks on the X-line</li> <li>Y-Line compensation</li> </ul>	
Tracking Performance	12 m max. within guaranteed specifications for media less than 760 mm	4 m max. within guaranteed specifications for media larger than 760 mm	
Accuracy	0.2% of move or 0.25 mm, whichever is greater		
Speed	Up to 141 cm/s diagonal		
Acceleration	Up to 5.5 G diagonal		
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram		
Other Features	FlexCut (cutting through)		
Connectivity	Ethernet, USB		
Power requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum		
Included software	Summa GoSign Software, Summa Cutter Control		

#### Smart Features

The S2 Series is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Tangential or drag knife technology
- Up to 600 gr of knife pressure
- Cutting accuracy with
- OPOS Xtra alignment
- G-Performance

- Automation with the barcode workflow
- Up to 12 m tracking guaranteed
- Connectivity: USB, Ethernet
- Summa GoSign software



S CLASS 2 SERIES | View the complete Summa S2 Series line up at Summa.com

The S2 120 is the ideal intermediate size for many cutting jobs. All S2 models were designed on a foundation of unrivalled technology and reliability. Enjoy leading-edge cutting performance to deliver precisely cut products. Fast and straightforwardly.

#### **Key Benefits**

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic, mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering

#### Advanced Cutting Head Technology

The S2<sup>™</sup> D Series unites legendary S Class power and precision with an efficient and affordable drag knife cutting head. The S2<sup>™</sup> T Series features a state-of-theart True Tangential<sup>™</sup> cutting head, cutting with more force and accuracy than any other cutter in its class.

All S2 models are designed with premium components and show resilience to perform day in and day out.





Video: Scan the QR code to watch all the Summa videos

#### **Technical Specifications**

Model	S2 120			
Dimensions	187 x 68 x 111 cm			
Media Width	12 to 130 cm			
Max. Working width	120 cm x 50 m 'Oversized' mode allows a wide	120 cm x 50 m 'Oversized' mode allows a wider cutting area: +/7 cm		
Alignment Type	<ul> <li>OPOS X - OPOS Xtra</li> <li>Barcode job recognition</li> <li>Up to 2 x 64 marks on the X-line</li> <li>Y-Line compensation</li> </ul>			
Tracking Performance	12 m max. within guaranteed specifications for media less than 760 mm	4 m max. within guaranteed specifications for media larger than 760 mm		
Accuracy	0.2% of move or 0.25 mm, whichever is greater			
Speed	Up to 141 cm/s diagonal			
Acceleration	Up to 5.5 G diagonal			
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram			
Other Features	FlexCut (cutting through)			
Connectivity	Ethernet, USB			
Power requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum			
Included software	Summa GoSign Software, Summa Cutter Control			

#### Smart Features

The S2 Series is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Tangential or drag knife technology
- Up to 600 gr of knife pressure
- Cutting accuracy with OPOS Xtra alignment
- G-Performance

- Automation with the barcode workflow
- Up to 12 m tracking guaranteed
- Connectivity: USB, Ethernet
- Summa GoSign software



S CLASS 2 SERIES | View the complete Summa S2 Series line up at Summa.com

The S2 140 is the ideal intermediate size for many cutting jobs. All S2 models were designed on a foundation of unrivalled technology and reliability. Enjoy leading-edge cutting performance to deliver precisely cut products. Fast and straightforwardly.

#### **Key Benefits**

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic or mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering

#### Advanced Cutting Head Technology

The S2<sup>™</sup> D Series unites legendary S Class power and precision with an efficient and affordable drag knife cutting head. The S2<sup>™</sup> T Series features a state-of-theart True Tangential<sup>™</sup> cutting head, cutting with more force and accuracy than any other cutter in its class.

All S2 models are designed with premium components and show resilience to perform day in and day out.



Video: Scan the QR code to watch all the Summa videos

#### **Technical Specifications**

Dimensions       202 x 68 x 111 cm         Media Width       17 to 145 cm         Max. Working width       135 cm x 50 m 'Oversized' mode allows a wider cutting area: +/7 cm         Alignment Type       • OPOS X - OPOS Xtra • Barcode job recognition       • Up to 2 x 64 marks on the X-line • Y-Line compensation         Tracking Performance       12 m max. within guaranteed specifications for media less than 760 mm       4 m max. within guaranteed specifications for media larger than 760 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 141 cm/s diagonal         Acceleration       Up to 5.5 G diagonal         Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum         Included software       Summa GoSign Software, Summa Cutter Control	Model	S2 140		
Max. Working width       135 cm x 50 m 'Oversized' mode allows a wider cutting area: +/7 cm         Alignment Type       • OPOS X - OPOS Xtra • Barcode job recognition       • Up to 2 x 64 marks on the X-line • Y-Line compensation         Tracking Performance       12 m max. within guaranteed specifications for media less than 760 mm       4 m max. within guaranteed specifications for media larger than 760 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 141 cm/s diagonal         Acceleration       Up to 5.5 G diagonal         Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Dimensions	202 x 68 x 111 cm		
Max. Working width       'Oversized' mode allows a wider cutting area: +/7 cm         Alignment Type       • OPOS X - OPOS Xtra • Barcode job recognition       • Up to 2 x 64 marks on the X-line • Y-Line compensation         Tracking Performance       12 m max. within guaranteed specifications for media less than 760 mm       4 m max. within guaranteed specifications for media larger than 760 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 141 cm/s diagonal         Acceleration       Up to 5.5 G diagonal         Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Media Width	17 to 145 cm		
Alignment Type       • 0PUS X - 0PUS Xtra       on the X-line         • Barcode job recognition       • Y-Line compensation         Tracking Performance       12 m max. within guaranteed specifications for media less than 760 mm       4 m max. within guaranteed specifications for media larger than 760 mm         Accuracy       0.2% of move or 0.25 mm, whichever is greater         Speed       Up to 141 cm/s diagonal         Acceleration       Up to 5.5 G diagonal         Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Max. Working width			
Tracking Performance     guaranteed specifications for media less than 760 mm     specifications for media larger than 760 mm       Accuracy     0.2% of move or 0.25 mm, whichever is greater       Speed     Up to 141 cm/s diagonal       Acceleration     Up to 5.5 G diagonal       Knife Pressure     Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram       Other Features     FlexCut (cutting through)       Connectivity     Ethernet, USB       Power requirements     100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Alignment Type	OPOS X - OPOS Xtra     on the X-line		
Speed       Up to 141 cm/s diagonal         Acceleration       Up to 5.5 G diagonal         Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Tracking Performance	guaranteed specifications	specifications for media	
Acceleration       Up to 5.5 G diagonal         Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Accuracy	0.2% of move or 0.25 mm, whichever is greater		
Knife Pressure       Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram         Other Features       FlexCut (cutting through)         Connectivity       Ethernet, USB         Power requirements       100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Speed	Up to 141 cm/s diagonal		
Other Features         FlexCut (cutting through)           Connectivity         Ethernet, USB           Power requirements         100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Acceleration	Up to 5.5 G diagonal		
Connectivity         Ethernet, USB           Power requirements         100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 gram		
Power requirements 100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	Other Features	FlexCut (cutting through)		
	Connectivity	Ethernet, USB		
Included software Summa GoSign Software, Summa Cutter Control	Power requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum		
	Included software	Summa GoSign Software, Summa Cutter Control		

#### Smart Features

The S2 Series is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:

- Tangential or drag knife technology
- Up to 600 gr of knife pressure
- Cutting accuracy with OPOS Xtra alignment
- G-Performance

- Automation with the barcode workflow
- Up to 12 m tracking guaranteed
- Connectivity: USB, Ethernet
- Summa GoSign software



S CLASS 2 SERIES | View the complete Summa S2 Series line up at Summa.com

The S2 160 is Summa's largest S2 roll cutter size, offering great flexibility in the cutting workflow with the ability to process many job sizes. All S2 models were designed on a foundation of unrivalled technology and reliability. Enjoy leading-edge cutting performance to deliver flawlessly cut products. Fast and straightforwardly.

#### Key Benefits

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment methode
- Legendary tracking performance
- Connectivity
- Summa GoSign software

#### Ideal to cut:

- Reflective, holographic or mirroring materials
- In- and outdoor signage
- Traffic and advertising signs
- Safety indications
- Vehicle and window lettering



Video: Scan the QR code to watch all the Summa videos

#### **Technical Specifications**

Model	S2 160			
Dimensions	225 x 68 x 111 cm			
Media Width	17 to 168 cm			
Max. Working width	158 cm x 50 m 'Oversized' mode allows a wide	r cutting area: +/7 cm		
Alignment Type	<ul> <li>OPOS X - OPOS Xtra</li> <li>OPOS - CAM</li> <li>(factory upgrade)</li> <li>Barcode job recognition</li> <li>Up to 2 x 64 marks on the X-line</li> <li>Y-Line compensation</li> </ul>			
Tracking Performance	12 m max. within guaranteed specifications for media less than 760 mm	4 m max. within guaranteed specifications for media larger than 760 mm		
Accuracy	0.2% of move or 0.25 mm, whichever is greater			
Speed	Up to 141 cm/s diagonal			
Acceleration	Up to 5.5 G diagonal			
Knife Pressure	Drag Knife: Up to 400 grams /	Tangential Knife: Up to 600 grams		
Other Features	FlexCut (cutting through)			
Connectivity	Ethernet, USB			
Power requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum			
Included software	Summa GoSign Software, Sumr	na Cutter Control		
*In 'Oversized' mode the	tracking performance is no long	er guaranteed.		

#### Smart Features

The S2 Series is standard equipped with a range of convenient features, adding to the production efficiency and guaranteeing a perfectly cut product without hassle.

Enjoy an automated workflow and ease-of-use:







 Tangential or drag knife technology

- Up to 600 gr of knife pressure
- Cutting accuracy with
- OPOS Xtra alignment • G-Performance
- Automation with the barcode workflow
- Up to 12 m tracking guaranteed
- Connectivity: USB, Ethernet
- Summa GoSign software

#### Advanced Cutting Head Technology

The S2<sup>TM</sup> D Series unites legendary S Class power and precision with an efficient and affordable drag knife cutting head. The S2<sup>TM</sup> T Series features a state-of-the-art True Tangential<sup>TM</sup> cutting head, cutting with more force and accuracy than any other cutter in its class.

All S2 models are designed with premium components and show resilience to perform day in and day out.

## S CLASS 2 SPECIFICS

All specifications applicable on the S One Series are also applicable on the S Class 2 Series. Built on a foundation of experience and commitment to offer top-of-theline cutters to grow with your business and last for many years to come.

#### S Class 2 T Series

The Summa S Class 2 T Series combines S Class power and precision with a state-of-the-art True Tangential™ cutting head.

Coupled with an astonishing array of innovations and built-in capabilities, this plotter offers you to best there is in roll cutting.



Tangential Cutting Head

#### T Series | Tangential Cutting Head

Featuring computer-controlled blade rotation and up to 600 grams of cutting force, Summa's T Series combines the precision of a flatbed cutter with the ease and speed of a roll-fed cutter by using our legendary True Tangential cutting head. The T Series simply cuts with more force and accuracy than any cutter in its class.

#### **Key Strengths**

- Unique to Summa technology
- Accurate depth control
- Perfect to cut Thick, Thin and Though material
- · Accurate results in corners and the tiniest of details



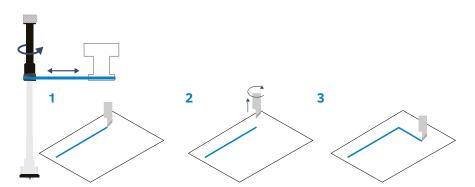


#### **Tangential movement**

1 The Tangential Knife stops cutting right before a corner.

2 A motor lifts and re-orients the blade.

3 Once the blade has reached the desired angle, it is lowered and continues to cut the corner.



#### S Class 2 D Series

Summa S2<sup>TM</sup> D Series vinyl cutters are specifically designed for high-volume cutting environments. They unite legendary S Class power and precision with an efficient and affordable drag knife cutting head. Boasting an astonishing array of industry-first innovations and built-in capabilities, the S2<sup>TM</sup> D Series is a do-it-all dynamo with the resilience to perform day in and day out.

#### S Class 2 OPOS CAM Series for S2 T75 & S2 T160

Summa's Tangential module, combined with an OPOS CAMera offers state-of-the-art registration mark recognition at lightning-fast speeds. Summa OPOS CAM roll cutters are, therefore, cutting-edge and unmatched in many Print&Cut workflows.

- Unique True Tangential cutting technology
- · Higher accuracy by placing 'infield' registration marks
- · Accurate fixed-size cutting with 'Fixed size mode'
- Job segmentation to preserve the best tracking performance
- · Mark registration about 10 times faster than any light sensor
- Custom camera profile to process challenging media types
- Available as factory upgrade for Summa S Class 2 T75 & T160

#### Compatible with F Series Twin Workflow

The Summa Twin<sup>™</sup> Workflow is an innovative cutting solution, combining the strengths of two Summa cutters – the power of an F Series flatbed cutter and the speed of an S Class OPOS CAM cutter. This combination significantly enhances productivity and performance through a smooth integration into existing workflows.









"I truly believe that the purchase of the Summa vinyl cutter back in 2016 was in many ways a good move. It helped us to reach higher quality levels, thus contributing to lift our business to the next level."

/ Industria Graphica FG about investing in a Summa S Class 2 T160

# S CLASS 2 SPECIFICS | 24

**Dual Head** 

As an option, the S Class 2 T Series can be equipped with a cutting head with dual functionality. This special Dual Head features an extra pen adaptor, instead of the OPOS sensor, allowing you to work alternately with each tool.

The perfect solution for drawing and cutting patterns in one easy step!

#### **G-Performance Mode**

This mode is especially designed to enhance the speed and performance of digital finishing operations on the S2 roll cutters up to 40%. The advantages include faster cutting speeds on wider substrates and faster reading of the registration marks. Especially within large industrial environments, this G-performance mode will prove its worth and give your overall workflow a serious boost.

#### Summa FlexCut

Summa's FlexCut feature enables you to cut simple designs completely through the material. Alternately, one length is cut completely through the material, and one length is cut halfway through. This way a kind of tear-off line is created, ensuring the material keeps a certain rigidity during transportation through the Summa cutter, while remaining easy to remove from the design afterwards.



#### **Material Transport**

A smooth transportation of the material is undoubtedly one of the most important issues when vinyl cutting. The exclusive Summa MicroSprocket drive drum tracks full rolls without skewing. This way, absolute cutting accuracy is guaranteed up to 12 meters in length, enabling to cut long or various designs subsequently without the need to reload. Durable titanium coated grit rollers assure job continuity for many years to come with the best tracking system available on the market

#### **Media Options**

#### A servo-powered roll-up system for S2 140 & S2 160

After a job is finished, the system will roll up the artwork neatly and prepare the machine for the next unattended job. The integrated paneling feature splits long-length runs into shorter consecutive jobs, allowing to cut complete rolls unattended and deliver the output nicely rolled-up.

#### A solid, most effective media rack for S2 140 & S2 160

Store your media rolls effectively and keep your work environment neat and tidy with the optional media rack. Note: The roll-up system and the media rack cannot be combined.

#### Extra pinchrollers

Extra pinchrollers can be factory installed when required at the factory or with your Summa reseller (middle pinch roller only).



Servo-powered roll-up system



Media rack





Summa's automated contour alignment system OPOS stands for Optical Positioning System. The OPOS sensor registers printed squares that are placed around the graphic. This allows OPOS to determine the exact position of the printed graphic and enables you to die-cut valuable printed and laminated vinyl graphics with complete confidence and ease.

#### OPOS X

The OPOS X feature, standard on all Summa models, automatically looks for the cross marks by using a sensor. The possibility to use multiple cross marks is a unique OPOS feature and guarantees the best possible accuracy. The OPOS X sensor even detects registration marks through dense laminated graphics with uneven texture and brings contour cutting to a much higher level.

#### OPOS XY / OPOS XY2

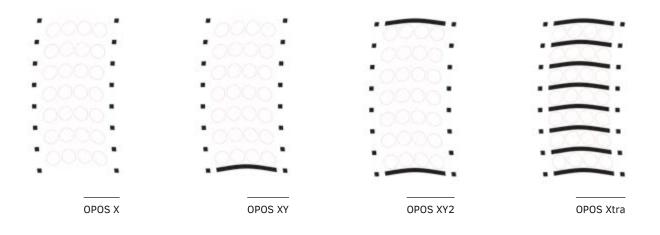
OPOS XY allows to measure a line across the print width, additionally to the OPOS marks. This will automatically adjust media curvature or deformation across the width of the print. The OPOS XY2 alignment method adds an extra measurement line at the rear of the print, allowing to compensate for any changes in print curvature between start and finish of your print job.

#### **OPOS Barcode**

The barcode reading functionality is a productivity tool, allowing to process multiple jobs without operator intervention. Also, the risk of sending the wrong data to the wrong print no longer exists. The OPOS X sensor reads the barcode and sends the correct job to the computer. The computer returns the matching cutting information which is then processed by the cutter. When the job is finished, the cutter automatically starts looking for the next job and its barcode.

#### **OPOS** Xtra

A next evolution in OPOS is OPOS Xtra. This alignment mode is designed to handle irregular material deformation over the length of the print by adding additional XY lines between the designs. This increases the accuracy and alignment methodology for smaller stickers.



OPOS alignment systems are available for all models

# TECHNICAL SPECIFICATIONS | 26

## TECHNICAL SPECIFICATIONS

Model	S2 75	S2 120	S2 140	S2 160	
Dimensions	141 x 68 x 111 cm	187 x 68 x 111 cm	202 x 68 x 111 cm	225 x 68 x 111 cm	
Media Width	6 to 84 cm	12 to 130 cm	17 to 145 cm	17 to 168 cm	
Max. Working width	74.2 cm x 50 m	120 cm x 50 m	135 cm x 50 m	158 cm x 50 m	
Oversized mode*	'Oversized' mode allows a	wider cutting area : +/-	7 cm*		
Pinchrollers	2	3	4	4	
Alignment Type	<ul> <li>OPOS X - OPOS Xtra</li> <li>OPOS CAM : Factory up Summa S Class 2 S751</li> </ul>		<ul> <li>Barcode jobrecogniti</li> <li>Up to 2 x 64 marks o</li> <li>Y-Line compensation</li> </ul>	n the X-line	
Tracking Performance	Within +/- 0.1 mm on plots: • up to 12 m long on rolls up to 760 mm wide* • up to 4 m long on rolls over 760 mm wide*				
Accuracy	0.2% of move or 0.25 mm, whichever is greater				
Speed	Up to 141 cm/s diagonal				
Acceleration	Up to 5.5 G diagonal	Up to 5.5 G diagonal			
Knife Pressure	Drag Knife: Up to 400 gr	Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 grams			
Other Features	FlexCut (cutting through)				
Connectivity	Ethernet, USB				
Power requirements	100-120 / 220-240 VAC	, 50/60 Hz, 85 VA maxim	um		
Included software	Summa GoSign™ Softwa	re, Summa Cutter Contro	l, MacSign™ Cut Cutting So	oftware	
*In 'Oversized' mode the t	racking performance is no	longer guaranteed.			



S Class 2 Summa Vinyl S One FX S Class 2 S Class 2 S One Series OPOS CAM **Cutters Comparison** Series D series T series series 60 70.5 cm \_ -\_ 75 --84 cm 84 cm 84 cm Maximum 120 135 cm 130 cm 130 cm -\_ Media Width 140 142 cm 150 cm 145 cm 145 cm -169 cm 160 168 cm 168 cm 168 cm -True Tangential True Tangential **Cutting Technology** Drag Knife Drag Knife Drag Knife Knife Knife  $\checkmark$  $\checkmark$  $\checkmark$  $\checkmark$  $\checkmark$ Opos X  $\checkmark$  $\checkmark$ Opos Xtra  $\checkmark$  $\checkmark$  $\checkmark$ \_ \_  $\checkmark$ Camera \_ \_ Barcode Support  $\checkmark$  $\checkmark$  $\checkmark$  $\checkmark$  $\checkmark$ Roll-up \_ \_ Optional Optional Optional \*\*\*\*\* \*\*\*\*) \*\*\*\*) \*\* \*\*\* Velocity  $\checkmark$  $\checkmark$  $\checkmark$  $\checkmark$ Flexible Working Sizes -

	s: S Class 2	ORDER CODES
S Class 2 Option	15	
395-397	Media-rack for S2140 with 3 pairs of core-holders*	
395-396	Media-rack for S2160 with 3 pairs of core-holders*	
395-369	Roll-up system for S2140 with one pair of core holders**	
395-359	Roll-up system for S2160 with one pair of core holders**	
395-675	Factory Installed Dual T-Head	
395-374	Extra Middle Pinch Roller (Factory installed)	
395-426	Extra Middle Pinch Roller	
395-993	G-Performance Mode (units build before 2018)	
	* Not compatible with Roll-up system ** Not compatible with Media-rack	
S Class 2 / D Se	ries / Consumables	
391-231	Drag Knife 60°/ Dia 1.5 mm	
391-358	Drag Knife 55°/ Dia 1.5 mm Drag Knife 55°/ Dia 2 mm (5 pc)	
391-363	Drag Knife Holder / Dia 2 mm (Copper)	
391-592	Pouncing Pin	
391-598	Pouncing Strip (30 m)	
395-313	Pouncing Tool S Class D Models	
395-430	Roller Ball Black (5 pcs)	
395-431	Roller Ball Blue (5 pcs)	
395-434	Universal Penholder D - Head	
9TL89-67033	Standard Drag Knife Holder / Dia 1.5 mm	
9TL89-67041	Standard Drag Knife 36° / Dia 1.5 mm (5 pcs)	
МРО6ВК	Fibre Tip Black Pens (4 pcs)	
S Class 2 / T Ser	ries / Consumables	
390-534	Standard Tangential Knife 36° (5 pcs)	
390-550	Tangential Knife 60° Sandblast	
390-551	Tangential Double Tip Knife 36°	
390-553	Knife Install Tool	
390-560	Tangential Knife 45°, Wedge 40/25°	
391-592	Pouncing Pin	
391-598	Pouncing Strip (30m)	
395-315	Pouncing Kit S Class T Models	
395-322	Tangential Knife Holder	
395-323	Tangential Dragknife Holder	
395-324	Tangential Ball Point Holder	
395-325	Tangential Ballpoint Pen	
395-330	Nose Piece, Drag	
395-347	Nose Piece, Sandblast	
395-348	Nose Piece, Standard	
395-346 395-376	Assy Fiber Pen S Class T-HD	
General Access	ories	
391-146	Razor Blades (10)	
1NC40-67035	Razor Blades Holder	
391-295	Razor Blades Holder + Foot	
1NC40-67034	Set of 2 Core Holders 3"	
395-401	Pinch Roll set (2) & Clips	
399-111	USB Cable A/B. 5M	
400-561	Set of 2 Core Holders 2"	
400-561	Serial Interf. Cable Kit	
	Cable Serial DB9S-DB95 Black	
423-183 MC1184	Power Cable	
1NC40-67032	Cutting Strip	
Software	· · ·	
	Cumma CoCian Dro Daele	
395-995	Summa GoSign Pro Pack	



## G SUMMA IN-HOUSE DEVELOPED SOFTWARE

The Summa GoSuite software platform has been developed in-house to enable users to make the most of their print and cut workflow. With the Summa software, operators, designers and business owners, can easily process and analyse complex and high volume jobs with great flexibility.

Rely on powerful software to maximise the use of your Summa cutting equipment.



#### Summa GoSign™

GoSign is your first choice cutting software designed for the Summa roll cutters. It allows you to manage your preferred workflow with great flexibility. Enjoy automated cutting options, custom configuration of action sets, easy plug-ins for design programs and much more.

The software GoSign that comes with the machines includes many features to keep you going and will expand further in the future. For a small additional charge, a Pro pack can be purchased, providing even more functionality to accommodate to your growing business.

- Modern interface
- Improved navigation
- Quick and intuitive
- Customised to your needs



- Standard available on website
- Pro Pack option available

- Build a cutting workflow to your preference
- Workflow automation, minimising operator intervention substantially.
- Increased flexibility with the option to cut directly from Adobe Illustrator or CorelDRAW.
- Material manager with your most commonly used materials and the possibility to add other material types along the way.
- Enhanced file compatibility, providing perfect synergy between hardware and software.
- Choose your preferred import method – by colour or by layer name.
- Availability of job log functionality, adding to the Summa roll cutters Industry 4.0 compatibility.
- Compatible with: DXF files, PLT files, files from open source design programs, such as Inkscape and many more.
- Customise action sets tailored to your specific workflow needs.



**TIP |** Scan the QR code to watch the GoSign video on Summa's Youtube page.

#### GoSign™ Pro Pack

The optional GoSign Pro Pack offers you advanced features such as barcode functionality, hot folder support and import possibility of plot files. Similar to the standard GoSign software, also the Pro Pack will be gradually expanded with new functionalities.

GoSign 2.0	GoSign 2.0 Pro Pack	
Standard available on www.Summa.com	One-time Pro version purchase (395-995)	
All common functionalities specific to cutting     programs: sorting, weeding box, multi-copy,	All common functionalities specific to cutting programs: sorting, weeding box, multi-copy,	
Custom configuration of action sets	Custom configuration of action sets	
Plug-ins for Adobe Illustrator and CorelDRAW	Plug-ins for Adobe Illustrator and CorelDRAW	
Material Manager	Material Manager	
Job log functionality	Job log functionality	
	Camera recognition	
	Twin workflow	
	Barcode functionality	
	Hot folder job handling	
	Import of plot files	

#### **Product Registration**

Summa recommends users to register their products online. Upon registration of your Summa products, you can activate several features such as the G-Performance, barcode, and so on. Also, in the registration form, you can choose to tick the box if you want to receive our monthly newsletter. This way, you can stay up to date with Summa's latest products and features that might complement your cutting equipment.

All Summa products can be registered through the Summa website: www.Summa.com/support/product-registration

#### **Inspiring Customer Stories**

Customer stories capture an extensive range of end-user experiences. Experiences they gain by operating our Summa cutting equipment daily, week in week out, year in year out. These stories will help you in obtaining a better understanding of the many reasons why a Summa product might just be the game changer you were looking for to bring your cutting workflow to the highest possible level.

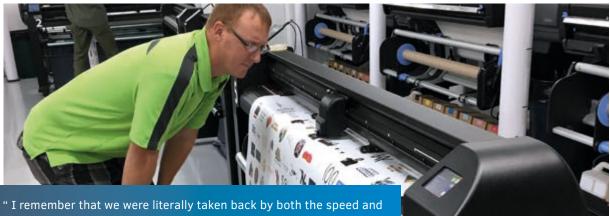
Customer stories go beyond product leaflets, brochures and other presentations. These real-life views and opinions from people in the field are the actual depiction of a product's benefits as shown in a true production area. So, go ahead and read our blog, which is filled with inspiring customer stories to create innovative and striking applications with our Summa equipment that fits your every cutting need!

Blog: www.Summa.com/blog

#### Testimonial | Stickers and Posters.com

"WE WOULDN'T BE ABLE TO RUN SUCH INCREDIBLE PRODUCTION WITHOUT THE SUMMA VINYL CUTTERS."

Company: Stickers and Posters.com Core business: One-off-design stickers Challenge: Fast cutting in high volume Solution: 6 Summa S Class 2 T160 **The Story |** Each day, thousands of 'one-off-design' stickers go through production at lightning speed. Customer demand for stickers and posters increased dramatically along with the growing online market. A great business opportunity. So, Stickers and Posters decided to invest in 6! S Class 2 T160 cutters with the True Tangential cutting technology to meet and exceed customer expectations. With this purchase, they are now able to finish out-of-the-box tasks, perfectly tailored to their customers' needs.





" I remember that we were literally taken back by both the speed and incredible accuracy during the kiss-cutting process of the stickers on the S Class 2 vinyl cutter model. More so, we appreciate the ease of set-up and operation efficiency with the onboard tracking mechanism, combined with the ability to work continuously. So, ultimately we paired up a Summa S2T160 vinyl cutter to each of the HP latex printers to keep the workflow equal and smoothly flowing."

/ Stickers and Poster about investing in 6 Summa S Class 2 T160

## NOTES

## S ONE SERIES<sup>™</sup> S CLASS 2 SERIES<sup>™</sup>

## World renowned vinyl and contour cutters

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