



SUMMA ROLL CUTTERS

S One | S Class 3 Series

**World-renowned vinyl
and contour cutters**



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 to 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 future-proof for many years to come.

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SUMMA S CLASS 3 SERIES, DESIGNED FOR TOP PERFORMANCE

NEW RELEASE

The S Class 3 tangential and drag-knife cutters feature first-class engineering and advanced cutting technology. The new S Class 3 series is crafted to cater to the needs of true professionals who demand nothing short of top-notch performance, pinpoint precision, and unparalleled versatility in their work. With its advanced technology, intuitive software GoSign, durable construction, and timesaving features, they surpass even the most demanding user expectations.

Leave nothing to chance and enjoy our leading-edge contour cut excellence!



Summa S Class 3 Series

Level Up with Advanced Cutting Technology

The Summa S Class 3 not only masters precision and versatility, but it also proves to be a durable workhorse built to last. Constructed with premium materials, it can withstand heavy use while delivering consistent, high-quality results day in, day out.

From vinyl cutting to precise digital die-cutting and plotting on various materials, the S Class 3 is a true do-it-all cutter, catering to a myriad of creative needs. It is your ultimate choice for handling expensive foils and valuable vinyl prints with precision and reliability. Prepare to elevate your cutting endeavours to new heights of excellence with European craftsmanship. Place your trust in the S Class 3 cutters, and you'll never look back.

Key Features

S Class 3 tangential and drag-knife cutters pave the way for cutting excellence through an efficient and productive workflow. A broad range of integrated and optional features take your cutting workflow and operator comfort to the next level.

True Tangential Cutting Technology

The highly-engineered tangential cutting heads on the S Class 3T Series have a unique motorised knife, allowing the cutters to achieve unparalleled accuracy and precision down to the smallest details. Our True Tangential cutting technology even handles heavy sandblasts, paint masks, and reflective materials.

Smart Object Sorting and Panelling

The Smart Object Sorting feature is designed to select the most optimal starting point for cutting objects, every single time. In addition, the unique Smart Panelling function improves cutting accuracy and simplifies post-processing. When panelling is, e.g., set to 40cm, all objects within this range are cut at once.

Summa GoSign Software

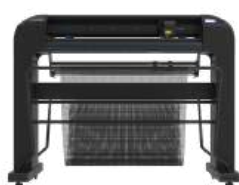
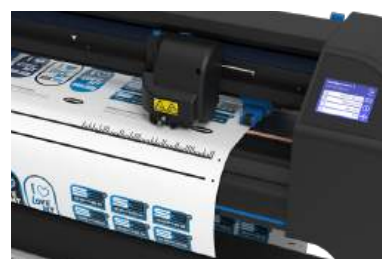
Our powerful in-house GoSign software allows you to manage your preferred workflow straightforwardly and with great flexibility.

Fast and Accurate Cutting with OPOS CAM (S Class 3 TC)

The new camera is more performant with even faster recognition abilities thanks to automatic data processing in the cutter instead of the external software. It allows you to excel with extremely fast and precise cutting of short or long-run contour-cutting jobs.

Dual Head Functionality (S Class 3 TC)

The S Class 3 TC models are the most advanced cutters of the S3 Series. Their high-precision cutting head can now carry two tools at once. This allows you to cut and crease or cut and draw without changing tools.



S3 TC75



S3 D120



S3 D140



S3 TC160

SUMMA S3 75

The smallest model in the S Class 3 Series is the ideal cutting solution for a startup sign maker who opts for cutting excellence and wants to take their production to the next level.

Key Benefits

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment method
- Legendary tracking performance
- Connectivity options
- Summa GoSign software
- Combining Cut & Crease and OPOS (TC)
- Tangential or drag knife technology
- Indicator light
- Camera or sensor recognition of registration marks
- Barcode functionality for automation



Technical Specifications

Model	S3 75	
Dimensions	141 x 69 x 111 cm	
Media Width	6 to 84 cm	
Max. Working Width	74.2 cm x 50 m 'Oversized' mode allows a wider cutting area: +/- 7 cm	
Alignment Type	<ul style="list-style-type: none">• OPOS X - OPOS Xtra• OPOS - CAM (factory upgrade)• Barcode job recognition	<ul style="list-style-type: none">• 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
Media Thickness	0.05 mm to 0.25 mm / Up to 0.8 mm with sandblast drag knife / Up to 1.2 mm with sandblast tangential knife	
Accuracy	0.2% of move or 0.25 mm, whichever is greater	
Speed	Up to 1440 mm/s diagonal	
Acceleration	Up to 4.25 G diagonal	
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 1000 grams	
Extra Pen or Creaser Pressure	Up to 1000 grams	
Other Features	FlexCut (cutting through)	
Connectivity	Ethernet, USB, WIFI	
Power Requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	
Included Software	Summa GoSign Software, Summa Cutter Control / Plug-in: Illustrator, CorelDraw, MacSign	
Cutting Technology	Drag knife / Tangential knife	
Dual Head	Creasing tool / Fibre pen	
*In 'Oversized' mode the tracking performance is no longer guaranteed.		

Key Features

The Summa S3 75 is the smallest roll cutter in the S3 series. It's thoughtfully designed to cater to every user's needs, from beginners to seasoned professionals. With a capability to handle media up to 74cm (+7cm in oversized mode), it's perfectly tailored for flex and flock users, as well as label-cutting professionals.

Precision and quality can be maximised by opting for the tangential knife, allowing you to achieve razor-sharp edges and immaculate results with ease.

The TC head is the perfect solution for short-run crease and cut applications sheets up to A1 and B1. The S3 75 helps you elevate your precision, efficiency, and productivity.

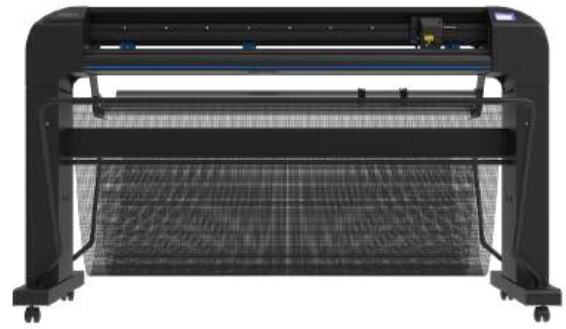


SUMMA S3 120

This mid-size cutter in the S Class 3 Series offers more versatility in cutting applications. With unparalleled technology and reliability, this cutter delivers leading-edge performance and precision. Fast and straightforwardly.

Key Benefits

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment method
- Legendary tracking performance
- Connectivity options
- Summa GoSign software
- Tangential or drag knife technology
- Indicator light
- Camera or sensor recognition of registration marks
- Barcode functionality for automation



Technical Specifications

Model	S3 120	
Dimensions	187 x 69 x 111 cm	
Media Width	11.4 to 130 cm	
Max. Working Width	120 cm x 50 m 'Oversized' mode allows a wider cutting area: +/- 7 cm	
Alignment Type	<ul style="list-style-type: none">• OPOS X - OPOS Xtra• Barcode job recognition	<ul style="list-style-type: none">• 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
Media Thickness	0.05 mm to 0.25 mm / Up to 0.8 mm with sandblast drag knife / Up to 1.2 mm with sandblast tangential knife	
Accuracy	0.2% of move or 0.25 mm, whichever is greater	
Speed	Up to 1440 mm/s diagonal	
Acceleration	Up to 4.2 G diagonal	
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 1000 grams	
Extra Pen or Creaser Pressure	Up to 1000 grams	
Other Features	FlexCut (cutting through)	
Connectivity	Ethernet, USB, WIFI	
Power Requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	
Included Software	Summa GoSign Software, Summa Cutter Control / Plug-in: Illustrator, CorelDraw, MacSign	
Cutting Technology	Drag knife / Tangential knife	
*In 'Oversized' mode the tracking performance is no longer guaranteed.		

Key Features

The Summa S3 120 is a cutting-edge mid-size model designed to handle media up to 120cm (+7cm in oversized mode), making it the ideal choice for medium-scale projects, such as non-prismatic traffic signs and internal signage.

The roll cutter is equipped with either a drag or tangential knife, creating the sharpest corners and edges, guaranteeing a meticulous and flawless result. Its upgraded cutting power and fast throughput make this powerhouse the perfect addition to your workflow, increasing your Productivity, Performance, and Profitability!

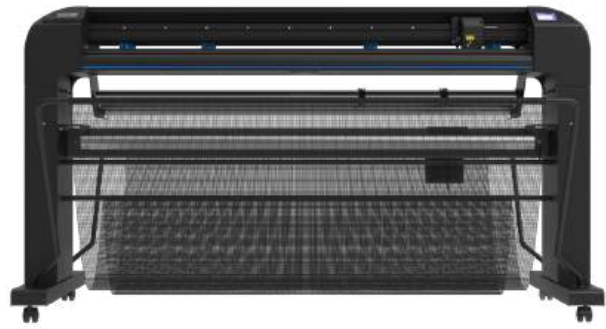


SUMMA S3 140

This mid-size cutter in the S Class 3 Series enables a larger media width offering more versatility in the cutting applications. With unparalleled technology and reliability, this cutter delivers leading-edge performance and precision. Fast and straightforwardly.

Key Benefits

- Advanced cutting technology
- Ergonomic design
- User-friendly features
- Latest alignment method
- Legendary tracking performance
- Connectivity options
- Summa GoSign software
- Tangential or Drag knife technology
- Indicator light
- Advanced throughput functionality
- Camera or Sensor recognition of registration marks
- Barcode functionality for automation
- Twin X functionality
- Roll-up system



Technical Specifications

Model	S3 140	
Dimensions	202 x 69 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	<ul style="list-style-type: none">• OPOS X - OPOS Xtra• Barcode job recognition	<ul style="list-style-type: none">• 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
Media Thickness	0.05 mm to 0.25 mm / Up to 0.8 mm with sandblast drag knife / Up to 1.2 mm with sandblast tangential knife	
Accuracy	0.2% of move or 0.25 mm, whichever is greater	
Speed	Up to 1440 mm/s diagonal	
Acceleration	Up to 4.2 G diagonal	
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 1000 grams	
Extra Pen or Creaser Pressure	Up to 1000 grams	
Other Features	FlexCut (cutting through)	
Connectivity	Ethernet, USB, WIFI	
Power Requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	
Included Software	Summa GoSign Software, Summa Cutter Control / Plug-in: Illustrator, CorelDraw, MacSign	
Cutting Technology	Drag knife / Tangential knife	
*In 'Oversized' mode the tracking performance is no longer guaranteed.		

Key Features

The Summa S3 140 offers even more cutting versatility and endless creative possibilities. Tackle larger projects with ease as it effortlessly handles media up to 135cm (+7cm in oversized mode). Combining the barcode functionality with the best-in-class OPOS sensor lets you experience next-level productivity and precision. It ensures a faster and even more precise reading speed, increasing productivity while keeping the throughput reliable.

The roll cutter also contains the latest alignment methods and advanced cutting techniques to ensure flawless edges and precision-cut graphics. The cutter operates with seamless efficiency, elevating your productivity and streamlining your workflow.

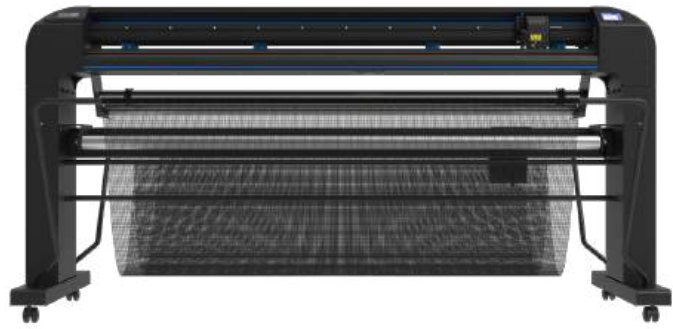
To streamline your workflow even more, you can opt for the roll-up unit, which rolls up your processed materials again instead of dropping them in the basket.



SUMMA S3 160

The largest roll cutter size in the S Class 3 Series is tailored to the professional user who wants maximum flexibility in the possible applications and desires the most advanced technology and features. Rely on leading-edge cutting performance and cutting excellence with the S Class 3.

- Connectivity options
- Summa GoSign software
- Combining Cut & Crease and OPOS (TC)
- Tangential or Drag knife technology
- Indicator light
- Advanced throughput functionality
- Camera or Sensor recognition of registration marks
- Barcode functionality for automation
- Twin X functionality
- Roll-up system



Technical Specifications

Model	S3 160	
Dimensions	225 x 69 x 111 cm	
Media Width	17 to 168 cm	
Max. Working Width	158 cm x 50 m 'Oversized' mode allows a wider cutting area: +/- 7 cm	
Alignment Type	<ul style="list-style-type: none">• OPOS X - OPOS Xtra• OPOS - CAM (factory upgrade)• Barcode job recognition	<ul style="list-style-type: none">• 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
Media Thickness	0.05 mm to 0.25 mm / Up to 0.8 mm with sandblast drag knife / Up to 1.2 mm with sandblast tangential knife	
Accuracy	0.2% of move or 0.25 mm, whichever is greater	
Speed	Up to 1440 mm/s diagonal	
Acceleration	Up to 4.2 G diagonal	
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 1000 grams	
Extra Pen or Creaser Pressure	Up to 1000 grams	
Other Features	FlexCut (cutting through)	
Connectivity	Ethernet, USB, WIFI	
Power Requirements	100-120 / 220-240 VAC, 50/60 Hz,85 VA maximum	
Included Software	Summa GoSign Software, Summa Cutter Control / Plug-in: Illustrator, CorelDraw, MacSign	
Cutting Technology	Drag knife / Tangential knife	
Dual Head	Creasing tool / Fibre pen	
*In 'Oversized' mode the tracking performance is no longer guaranteed.		

Key Features

The S3 160 is perfect for professionals that want maximum versatility and productivity. With the capability to handle media up to 158cm (+7cm in oversized mode), it's ideal for large-format projects. Equipped with advanced cutting technology and either a drag or tangential knife, it allows for more control and pressure, ensuring precision and efficiency in every cut.

Unlock the power of full automation with the Summa S3 160. By simply placing a printer in front of the roll cutter, you can achieve seamless transitions from printing to cutting without any intervention. Moreover, by opting for the roll-up unit, you can neatly roll up the processed material instead of letting it fall into the basket.

Need even more cutting power? The **Twin X functionality** offers the ultimate solution by seamlessly integrating the Summa S3 160 with the F1612 flatbed cutter. This dynamic duo will optimize your workflow efficiency and elevate your business to unparalleled heights.



S CLASS 3 CUTTING TECHNOLOGIES

In the ever-evolving world of cutting, one technology doesn't fit every bill. That's why having a range of cutting technologies at your fingertips is paramount.

The S Class 3 has three different heads available: the D series, specifically for drag knife technology, the T series, for tangential knife technology, and the TC Series, which combines the knife and fibre pen or knife and creasing tool.

Various tools are also available to help cut, crease, and draw on your materials. As well as a tray tool to keep everything organised, to make your workflow as efficient as possible.

Choose your path to perfection with our D series, T series, or TC series cutting head, each with its distinct advantages.



S Class 3 D Series
Drag Knife Technology

Summa S3 D Series roll 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 S3 D Series is a do-it-all dynamo with the resilience to perform day in day out.



S Class 3 T Series
Tangential Knife Technology

The Summa S Class 3 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 cutter offers you the best in roll cutting.



S Class 3 TC Series
Performance Cutting Head & OPOS Camera

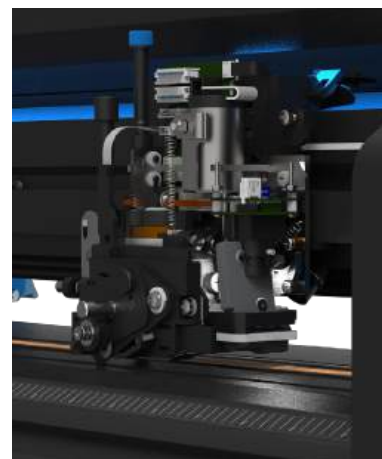
The TC models are equipped with the most advanced cutting head in the Roll Cutter Series. The high-precision cutting head can now carry two tools, allowing FlexCut and kiss-cut in combination with creasing or drawing. All without changing tools.



S Class 3 TC Series Specifics

The S Class 3 TC models feature an even more performant camera. Thanks to automatic data processing in the cutter instead of external software, the registration of marks is faster than ever before. Combined with our powerful True Tangential Cutting Technology and knife pressure of up to 1000 gr, these models are designed to deliver true cutting excellence.

- Unique True Tangential cutting technology
- Higher accuracy by placing 'in-field' 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 other light sensor
- Custom camera profile to process challenging media types
- Available as a factory upgrade for Summa S Class 3 T75 & T160
- Features Dual Head technology: knife + fibre pen or knife + creasing tool



S Class 3 TOOLS

Different tools can be inserted in the cutting head to achieve different cutting effects and accommodate various materials. Cutting, creasing, and drawing on your materials has never been this easy. Get the most out of your S Class 3 with the following tools:



- Ballpoint pen
- Fibre pen
- Tangential knife
- Drag knife
- Creasing tool

Thanks to the **Dual Head functionality**, the cutter can carry a knife and fibre pen or a knife and creasing tool at the same time. It allows you to work as fast and efficiently as possible.

Additionally, a tool tray is provided. It offers a secure storage space for tools not currently in use, conveniently within reach at the back of the cutter for when they're needed.



S CLASS 3 FEATURES

G-Performance Mode

G-performance boosts your production speed on the S Class 3 roll cutters by up to 40%, depending on the type of cutting job. Its impact is especially noticeable on a faster reading of the registration marks and when cutting wider substrates. As a result, default jobs are handled much faster than average. G-performance is standard on all S Class 3 cutters and is perfect for users who want to step up their yield and process jobs that can handle higher-than-average speeds.



Ease of Use

Discover improved ease of use with a blue, green, and red-lighted status bar. Additionally, swiftly identify adjustable components by their blue colour. This is complemented by a strategically placed tool tray at the back for efficient operation.



BLUE status = Ready



GREEN status = Working



RED status = Error

MEDIA HANDLING & OPTIONS

Larger Media Roll

The media roll on the cutter can now handle a diameter of 20cm and supports a roll weight of at least 45kg. This improvement is highly beneficial for print and cut applications, including laminated vinyl.

Servo-powered Roll-up System | S3 140 & S3 160

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



S CLASS 3 TECHNICAL SPECIFICATIONS

Model	S3 75	S3 120	S3 140	S3 160
Dimensions	141 x 69 x 111 cm	187 x 69 x 111 cm	202 x 69 x 111 cm	225 x 69 x 111 cm
Media Width	6 to 84 cm	11.5 to 130 cm	17 to 145 cm	17 to 168 cm
Max. Working Width Oversized Mode*	74.2 cm x 50 m	120 cm x 50 m	135 cm x 50 m	158 cm x 50 m
	'Oversized' mode allows a wider cutting area : +/- 7 cm*			
Pinch Rollers	2	3	4	4
Alignment Type	<ul style="list-style-type: none">• OPOS X - OPOS Xtra• OPOS CAM : Factory upgrade on new Summa S Class 3 S75T and S160T		<ul style="list-style-type: none">• Barcode job recognition• Up to 2 x 64 marks on the X-line• Y-Line compensation	
Tracking Performance	Within +/- 0.1 mm on plots: <ul style="list-style-type: none">• up to 12 m long on rolls up to 760 mm wide*• up to 4 m long on rolls over 760 mm wide*			
Media Thickness	0.05 mm to 0.25 mm / Up to 0.8 mm with sandblast drag knife / Up to 1.2 mm with sandblast tangential knife			
Accuracy	0.2% of move or 0.25 mm, whichever is greater			
Speed	Up to 1440 mm/s diagonal			
Acceleration	Up to 4.2 G diagonal			
Knife Pressure	Drag Knife: Up to 400 grams / Tangential Knife: Up to 1000 grams			
Extra Pen or Creaser Pressure	Up to 1000 grams			
Other Features	FlexCut (cutting through)			
Connectivity	Ethernet, USB, WIFI			
Power Requirements	100-120 / 220-240 VAC, 50/60 Hz, 85 VA maximum			
Included Software	Summa GoSign Software, Summa Cutter Control / Plug-in: Illustrator, CorelDraw, MacSign			
Cutting Technology	Drag Knife / Tangential knife			
*In 'Oversized' mode the tracking performance is no longer guaranteed.				

Summa Vinyl Cutters Comparison		S One FX Series	S One Series	S Class 3 D Series	S Class 3 T Series	S Class 3 TC Series
Maximum Media Width	60	-	70.5 cm	-	-	-
	75	-	-	84 cm	84 cm	84 cm
	120	-	135 cm	130 cm	130 cm	-
	140	142 cm	150 cm	145 cm	145 cm	-
	160	-	169 cm	168 cm	168 cm	168 cm
Cutting Technology		Drag Knife	Drag Knife	Drag Knife	True Tangential Knife	True Tangential Knife
Opos alignment systems		✓	✓	✓	✓	✓
Camera (USB)		-	-	-	-	✓
Barcode Support		✓	✓	✓	✓	✓
Roll-up		-	-	Optional	Optional	Optional
Speed		**	***	*****	*****	*****
Flexible Working Sizes		-	✓	✓	✓	✓