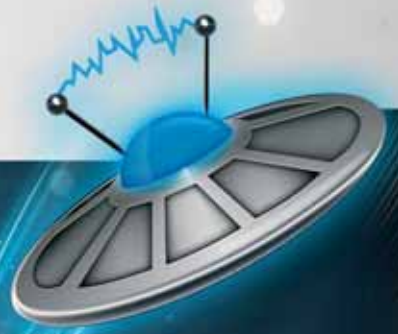


# S CLASS

Superior vinyl and contour cutters



Summa S Class is unquestionably the world's most advanced cutter. With its exclusive **touch-control panel**, it's by far also the easiest to use.

The cutting head includes an **auto cut-off knife**, which you can optionally set to slice your media at the end of each job.

**OPOS X contour-cutting alignment** delivers OPOS' unparalleled accuracy and automation, even on laminated images.



## Advanced vinyl and contour cutters for high-volume vinyl and digital print shops.

Sign making has evolved and more than ever you need equipment that's both flexible and durable. Summa S Class cutters are built on a foundation of rock-solid reliability and offer features to handle virtually anything you feed them with. From cutting vinyl to accurate digital die-cutting to plotting on paper and beyond, Summa S Class is a do-it-all cutter with the strength to do it day in and day out

Like the finely tuned suspension in a sports car, our precision tracking lets us put more power under the hood. S Class features a dual servomotor design that cuts amazingly fast. Summa tracking lets you do it with complete confidence.

Like a quality timepiece, the accuracy of European-crafted cutters are precisely what makes them so durable. So you not only get amazing reliability, you get the confidence of knowing that your expensive films and valuable vinyl prints will be cut precisely each and every time.



Model	S75	S120	S140	S160
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
Cutting Area	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 : +/- 7CM			
Repeatability (guaranteed)	WITHIN +/- 0.1 MM ON PLOTS : UP TO 12M LONG ON ROLLS UP TO 760 MM WIDE <sup>2</sup> ; UP TO 4 M LONG ON ROLLS OVER 760 MM WIDE <sup>2</sup>			
Accuracy	0.2 % OF MOVE OR 0.25 MM, WHICHEVER IS GREATER <sup>2</sup>			
Speed	UP TO 141 CM/SEC DIAGONAL			
Acceleration	UP TO 5.5 G DIAGONAL			
Knife Pressure	DRAG: 0 - 400 GRAMS, IN 5 GRAM INCREMENTS TANGENTIAL: 0 - 600 GRAMS, IN 5 GRAM INCREMENTS			
Connectivity	USB; SERIAL (RS232); WIRELESS LAN (OPTIONAL)			
Included Software	CUTTER CONTROL SOFTWARE; WINPLOT & MACSIGN CUT CUTTING SOFTWARE			

\*For complete specifications, visit [www.summa.eu](http://www.summa.eu)

### S75

75 cm drag or tangential knife



### S120

120 cm drag or tangential knife



### S140

140 cm drag or tangential knife

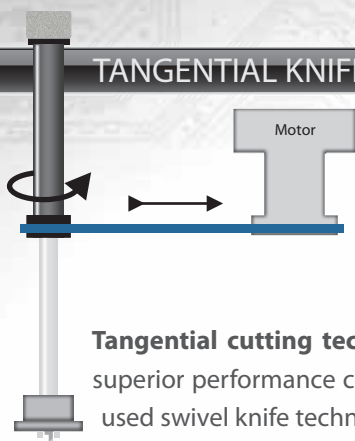


### S160

160 cm drag or tangential knife

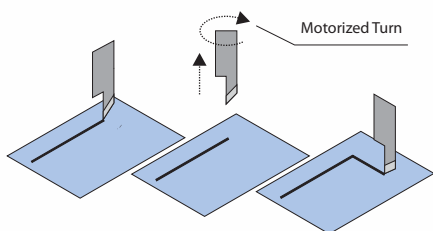


## TANGENTIAL KNIFE CUTTERS



**Tangential cutting technology** guarantees a superior performance compared to commonly used swivel knife techniques. The direction of the tangential knife is electronically controlled, by which T series are capable of cutting very precisely and with very high pressures. The perfect cutting makes weeding very easy, saving you a lot of valuable time.

The patented nose piece avoids small pieces being pushed out of the vinyl while cutting. With up to 600 grams of cutting force, Summa S Class powers through heavy sandblast, paint mask and reflective materials with incredible ease, speed and accuracy. With a T model, you know you can do the job! More than ever, S Class T series are replacing flatbed or laser cutters for industrial jobs.



## Double tip knife

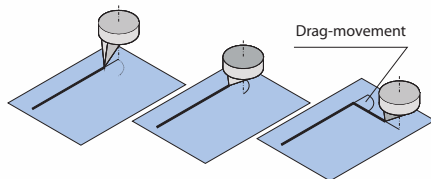
Summa tangential cutters can also drive double tip knives, these have two cutting edges. The Dual tip as a result is much more rigid, significantly elongating the life time of the knife. When penetrating the material, the dual tip automatically generates an overcut. Especially when cutting high reflective materials, the extra overcut and rigidity proves its value in this hard and thick material.



## DRAG KNIFE TECHNOLOGY



Its simplicity has made **drag knife** (or swivel knife) technology the most commonly used. An offset parameter defines the distance between the knife tip and the rotating centre. In order to know the position of the freely rotating knife inside the knife-holder a drag-movement is made assuming the knife tip will follow accordingly. Summa cutters include enhanced methods to optimise this drag-movement to obtain the best possible cutting quality.



## Optional Roll-up & Media Rack

### A solid, most effective media rack

As it is integrated in the stand this usefull option is space saving as it can hold up to 3 extra rolls of vinyl! It includes 3 additional sets of core holders for easier and faster media replacement. This media rack is available for the large format S Class cutters (S140 & S160) and can be upgraded to any existing S Class.



### A servo-powered roll-up system

After a job is finished, the system will roll up the artwork very neatly and prepare the machine for the next unattended job. The new integrated panelling feature splits long-length runs in shorter consecutive jobs! The S Class can therefore cut complete rolls unattended and delivers the output nicely rolled-up. This option can be installed on all new S140 and S160 models.



## Wireless LAN connection

### S CLASS<sup>(i)</sup> wireless

S Class **Wireless** is a network connection which can be easily integrated into a company's LAN (local area network) or WLAN (wireless local area network) network using Access Point (wireless router). When no network environment is available a peer-to-peer connection can also be achieved using Ad-Hoc connectivity. S Class Wireless supports WEP and WPA, standard encryption methods for secure connections and data transfer in existing networks.

## Dual Head

As an option, the S Class T Series can be equipped with a cutting head with a double functionality.

This special double head features an extra pen adaptor (instead of the OPOS sensor) allowing to work alternately with both tools.

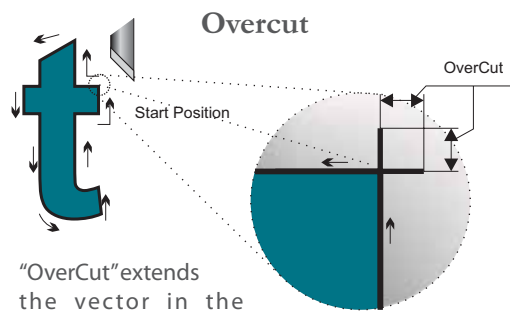
A perfect solution for drawing and cutting patterns in one easy step!







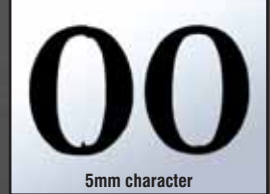
Summa cutters are loaded with several intelligent routines optimising the cutting data. All Summa Series use an advanced vector look-ahead technology that cuts complex images and lettering with improved efficiency. The benefits are extensive. Cutting time is reduced seriously, curves are smoother and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



"OverCut" extends the vector in the beginning and at the end of a curve. This way it makes sure that the design is completely cut through. Without the "OverCut" function, due to a variety of tolerances, 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. The OptiCut feature compensates for changes in blade offset, due to wear and tear, by performing complex movements. Making sure the knife is orientated correctly. This revolutionary technology gives you optimal quality during your blade's lifetime.

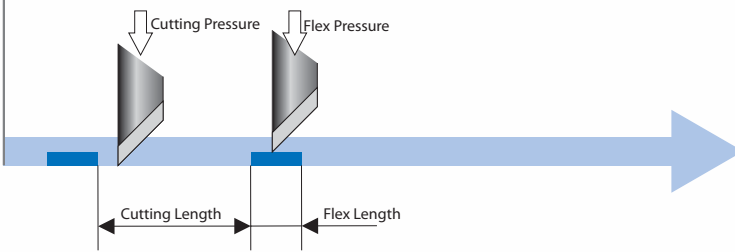


without OPTiCut with OPTiCut

CUTTING THROUGH WITH FLEXCUT



Summa's FlexCut feature makes it possible to cut simple designs completely through the material. Alternately, one length is cut completely through the material, and one length is cut half through. This way, a kind of tear-off line is created, ensuring the material keeps a certain rigidity to be transported through the Summa cutter while it remains easy to take out the design afterwards.



MATERIAL TRANSPORT

Tracking is the ability to transport the media through the machine in a repetitive way. This ability makes sure that one single job is cut within specifications within the complete guaranteed tracking length. Nevertheless, longer jobs are also accepted by the cutter.



The guaranteed tracking length also indicates the possibility of doing multiple jobs after each other (exceeding the guaranteed tracking length several times) without the need of reloading the media.



MicroSprocket™ Tracking System





**WinPlot™ is a cutting software utility for the Microsoft Windows operating systems. An exclusive Summa version of Winplot is delivered free of charge with every new Summa Cutter.**

**Compatibility:** Winplot supports all Summa cutting devices : SummaCut and S Class. Supported communication ports : USB, Serial (RS 232), ethernet, centronics parallel and any printer port installed on your operating system which enables networked printing.

**Input:** includes **plug-ins for CorelDRAW and Illustrator** and imports simplified .eps, .ai and .dxf files from other applications.

**Edit:** allows scaling, mirroring and rotating of the design or parts of the designs.

**Output:**

- ! NESTING with support of multiple copies : Winplot automatically rotates and positions different designs as well as multiple copies in order to optimize the use of material
- ! PANELLING : jobs larger than the media width will be split in panels
- ! **INTEGRATION OF OPOS** : using Summa's Optical Positioning System has never been easier
- ! WEEDINGBOX : automatically generates weeding boxes around cut images
- ! CUTTINGBY COLOUR



## MACSIGN™ CUT

MacSign Cut is included with every Summa cutter.



Compatible with:  
Mac OS X (10.2 or higher)  
Mac OS 9

MacSign Cut is a "bridge" application that imports artworks saved by popular desktop publishing applications (Illustrator, FreeHand, Canvas, Corel Draw, and so on) and sends them to Summa vinyl cutters. Imported artworks are displayed on the worksheet before processing and can be resized, positioned, mirrored, turned, distorted, duplicated, and so on.

The tiling feature panels the design and allows the user to cut large designs.

After a 30days trial, a free registration is required.

More info on :  
[www.softteamweb.com](http://www.softteamweb.com)



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