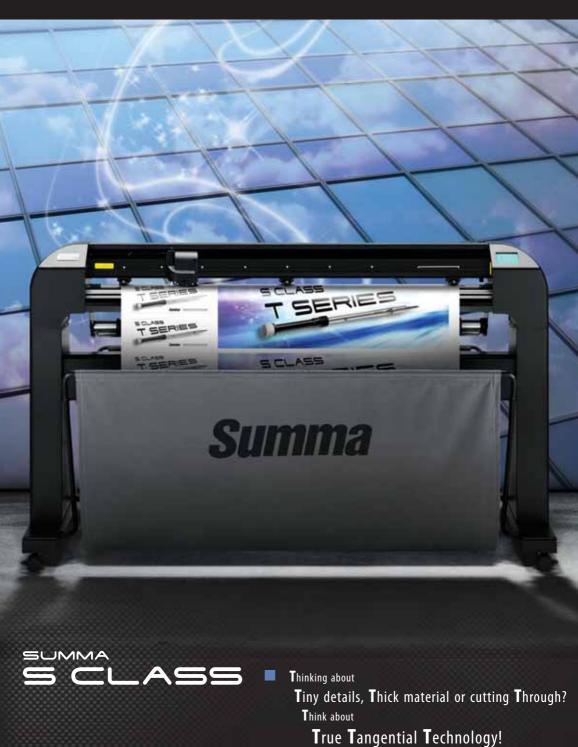
SIMMA

www.summa.eu



www.summa.eu



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 is 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.





FFATURE

Tracking



Smart





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				
Repeatability (guaranteed)	WITHIN +/- 0.1 MM ON PLOTS : UP TO 12M LONG ON ROLLS UP TO 760 MM WIDE $^{\circ}$; UP TO 4 M LONG ON ROLLS OVER 760 MM WIDE $^{\circ}$				
Accuracy	0.2 % OF MOVE OR 0.25 MM, WHICHEVER IS GREATER				
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)				
uded Software	CUTTER CONTROL SOFTWARE; WINPLOT & MACSIGN CUT CUTTING SOFTWARE				
	*For complete specifications, visit www.summa.eu				

S75

75 cm drag or tangential knife

Inclu



S120

120 cm drag or tangential knife



140 cm drag or tangential knife **S160**

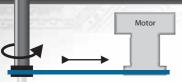
160 cm drag or tangential knife





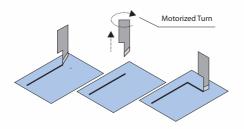


TANGENTIAL KNIFE CUTTERS



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!





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

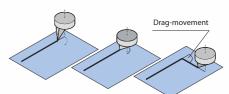


Its simplicity has made **drag knife** (or swivel knife) technology the most commonly used. An offset parameter defines the distance between the knife tip and the rotating centre. In order to know the position of the freely rotating knife inside the knife holder a drag movement is made

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 \$140 and \$160 models.

Wireless LAN connection

S CLASS⁽¹⁾ 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!



WWW.SUMMA.EU S Class Series



The perfect combination of speed and accuracy for high productivity contour cutting

Summa Customers in volume driven workflow environments will now be able to excel against their competition with super fast, precision accurate cutting of short or long run contour cutting jobs.

OPOS-CAM, using intelligent camera optics and camera control software, has been uniquely designed to meet the demanding needs of screenprinters, wide format graphics companies and inkjet printer manufacturers. The new camera upgrade option has been added to significantly increase registration mark recognition (**up to 10 times faster**) and media options for Summa's premium line of contour cutting vinyl cutters.

OPOS-CAM is a factory upgrade option now available on all new Summa S Class S75 T, S140 T and S160 T vinyl cutting plotters.

Smart



TANGENTIA

Genuine

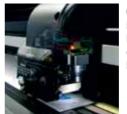
Flexcut



ATURE SYSTE



Tracking



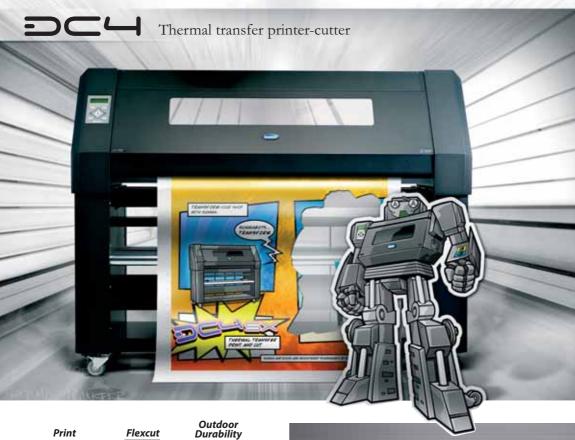
OPOS-CAM's camera is integrated into the cutter head housing. Built-in LEDs provide optimal marker recognition lighting.



The Summa CameraControl[™] software Utility analyses the camera images in a split second, allowing the user instant and accurate positioning over the marker.



True Tangential cutting head: with its motor-controlled blade, you will achieve superior cut-quality and the power to cut thicker materials with ease.







With super accurate contourcutting built in , plus the most durable print technology available, one simply needs to print, weed, then apply.



The ribbon-changer holds SmartRibbon cassettes. Each cassette can accommodate any ribbon colour, and the printer intelligently identifies the ribbon colour, location and usage.



Thermal Transfer distinguishes itself from other techniques thanks to the number of unique characteristics. It is a modern technique that combines practical and ecological henefits.



What good is print and cut if you have to laminate? Not much, for what many sign companies do most: permanent signs. That's the real difference between thermal resin and every other type of printing. With thermal transfer, images are installationready. So you just print, weed and apply.

It is a modern technology that combines practical, economic and ecological benefits in one single system that is synonymous with top quality graphics.

Thermal Transfer Printing is one of the most environmental friendly printing methods nowadays available on the market. No suspicious smell, no dirty hands nor chemical waste. The DC's printing technology eases your prints on demand. Just switch on the machine and get started. The DC's very sharp dots even make it possible to print characters smaller than one millimeter.

DC SERIES







My Gerber Edge served me well and made a lot of money for my shop over the years. But it was time to upgrade to a larger machine and I wanted to stay with thermal transfer so I took a look at a Summa. Wow!

Now I've travelled 180,000 miles around the country with my Summa Printer in my truck. It's super reliable and easy to use. I would recommend other Edge Owners to look at Summa's DC4 printers.

John Chindemi Magical Markers

INCLUDED ACCESSORIES AND CONSUMABLES

RIP COLORCONTROL 7.0 PRINT + CUT EDITION POWER TAKE-UP ROLLERS DUAL BASKET STORAGE HARD DRIVE QUICK-LOAD RIBBON CASSETTES OPTIPRINT VINYL CLEANING ROLLER MEDIA CORE HOLDERS D SERIES BLADE HOLDER POWERCORD & USB CABLE MULTILINGUAL SUMMA PRINTER CONTROL (WINDOWS) MULTILINGUAL OPERATIONS MANUAL RIBBONS ROLL OF 3M® PREMIUM VINYL (45.7M) OPTIPRINT ROLLER REFILL STANDARD DRAG KNIVES * ONLY AVAILABLE AS FACTORY INSTALLED OPTION

DC4SX DC4 OPTION INCLUSIVE OPTION* INCLUSIVE INCLUSIVE OPTION OPTION 5 PCS 8 PCS INCLUSIVE INCLUSIVE 2 PCS 4 PCS 1 PC 1 PC INCLUSIVE INCLUSIVE INCLUSIVE INCLUSIVE INCLUSIVE INCLUSIVE 1 SET CMY 1 SET CMYK

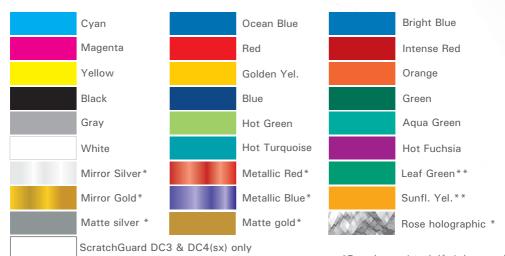
Model	DC4SX	DC4			
Media Width	61 AND 76 CM	61, 76 AND 137 CM			
Max. Image Width	67 CM	127.5 CM			
Print Type	THERMAL TRANSFER				
Resolution	MAX. 24 X 12 DPMM (609 X 304 DPI)				
Ink Type	RESIN RIBBONS : IN PROCESS OR SPOT COLOURS ; METALLIC RIBBONS : GOLD, SILVER, BLUE AND RED (INDOOR USE) PROTECTIVE TRANSPARENT RIBBON : SCRATCHGUARD				
Print Speed	HIGH RESOLUTION : 6.	7 M²/HOUR - SPOT / 3.2 M²/HOUF 2 M²/HOUR - SPOT / 2.3 M²/HOUF 4 M²/HOUR - SPOT / 2.0 M²/HOUF	R - PROCESS CMY		
Cut Type	DRAG KNIFE				
Cut Speed	600 MM/SEC AXIAL				
Connectivity	USB *********************	Consideration of the contract			

MICROSPROCKET™ WITH OPTITRAC™

For complete specifications, visit www.summa.eu

Media Tracking

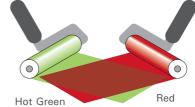
The use of spot colours has multiple advantages. First, a spot colour can replace several process colours reducing the cost significantly. Second, when only one ribbon is used, print speed increases up to 8 square meter an hour. The use of Spot colours also avoids rasterizing and gives nice plain colours. Metallic colours give fabulous images. By using a white ribbon as 'primer', printing on coloured vinyl is easy and affordable.



* Tese colours are intended for indoor use only.
** These colours offer limited resistance to products containing alcohol.

Print an even wider gamut of smooth, accurate, non-screened duotones by combining Summa spot colour ribbons.

By printing one colour on top of another a new colour is created. This gives the ability to print even more raster-free colors. By combining the different greens and reds many shades of brown can be generated. But also variations of green, red and blue are all possible. Even nice pastel colours can be accomplished by overprinting a colour with white or grey.







This radial abrasion test, done with sandpaper, clearly illustrates the benefits of the abrasion guard.

ScratchGuard™, a transparent ribbon, prints a protective coating on images that are exposed to harsh or abrasive conditions such as vehicle applications and images exposed to frequent handling.

Abrasion Resistance

In mechanical stress tests, ScratchGuard[™]-protected graphics were three times as abrasion resistant when compared to images that were printed without the ScratchGuard[™] added.

Solvent Resistance

ScratchGuard[™] has also been shown to significantly increase resistance to solvents. Testing with alcohol, for example, showed a 10-fold increase in durability.

DC Series

2mil Premium 3M 635mm x 45,72m (White/Clear) 2mil Premium 3M 762mm x 45,72m (White) 2mil Premium 3M 1000mm x 45,72m (White/Clear) 2mil Premium 3M 1365mm x 45,72m (White/Clear) VP Calendered Vinyl1365mm x 45,72m(super clear)

RIP COLORCONTROL™



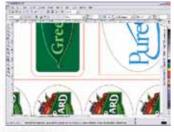
ColorControl™, Summa's exclusive
PostScript® 3 compatible RIP + Cut
software, is full-featured, easy-to-use and
fast. Blazing-fast.

Windows 98 / Me / NT / 2000 / XP / Vista EPS, PDF, PS files from Mac or Windows



PROFESSIONAL CUSTOM LABELS EASY AS 1-2-3

1: Print



Just add two cut-paths to your graphic, and then send it to ColorControl™: one path contour-cuts; the second path FlexCuts completely through your media.

2: Push



A light push pops out your custom die-cut label. The size and frequency of the perforations are easily adjustable with our exclusive FlexCut feature.

3: Peel



Pull away the excess vinyl to reveal a precision die-cut label on a custom-cut backing that can be any size or shape you wish.



Success Made Simple!

Using the industry's most durable colour printing.

INSTALLATION-READY SIGNS SIMPLE AS 1-2-3



1: Print



2: Weed



3: Apply





Vinyl cutters that set the industry standard for performance and value.

Since 1996 SummaCut has evolved to become the world's most advanced performance-price leader. The new SummaCut Series is the product from decades of Summa's brilliant European engineering. Numerous refinements have been made, such as the OPOS X technology, known from our most advanced S-Class cutting plotters, which is now integrated into a newly designed drag-knife cutting head. SummaCut is capable of reading registration marks for contour cutting; not only on standard materials but also on reflective, holographic or mirroring materials, as well as through the many different types of laminates being used today. The SummaCut features highly complex algorithms to compensate for any deformation of the print, using the world's most reliable sensor technology; this makes SummaCut a winning contour cutter for any sign shop or print shop.

Summa engineers know there's not a more important vinyl cutter feature than tracking. That's why every cutter we build starts with our exclusive and patented MicroSprocket™ grit roller. Milled from the finest materials, in a unique process that assures each roller has an exacting diameter, we then specially coat each roller to eliminate the risk of wear and oxidation that can degrade tracking over time.

Quality craftsmanship is about more than just low price. It's about value. With cutting performance that rivals others' top-of-the-line cutters, it's no wonder that the affordably priced SummaCut D60 is one of the most popular vinyl cutters ever built.

Model
Media Width
Cutting Area
(extended mode)
Dimensions
Repeatability
(guaranteed)
Accuracy
Speed
Acceleration
Knife Pressure
Connectivity
cluded Software

D60	D120	D140	D160
7 TO 67 CM	12 TO 127 CM	18 TO 142 CM	18 TO 164 CM
60 CM X 50 M (63 CM)	120 CM X 50 M (123 CM)	135 CM X 50 M (138 CM)	157.5 CM X 50 M (160.5 CM)
100 X 35 X 30 CM	160 X 68 X 112 CM	175 X 68 X 115 CM	198 X 68 X 115 CM
			1177

WITHIN +/-0.1 MM ON PLOTS: UP TO 8 M LONG ON ROLLS UP TO 760 MM WIDE*; UP TO 4 M LONG ON ROLLS OVER 760 MM WIDE*

0.2% OF MOVE OR 0.25MM, WHICHEVER IS GREATER

UP TO 113 CM/SEC DIAGONAL

UP TO 3 G DIAGONAL

0 - 400 GRAMS, IN 5 GRAM INCREMENTS

USB, RS232 (SERIAL)

CUTTER CONTROL SOFTWARE; WINPLOT & MACSIGN CUT CUTTING SOFTWARE

Flexcut









The large, easy-to-use control panel that allows you to quickly and easily change settings like speed, pressure, plot mode and perform test cuts.



OPOS X contour-cutting alignment means you can die-cut valuable printed vinyl graphics with complete confidence and reliability.



Newly designed high-speed cutting head features precision accuracy for exceptionally reliable and effortless vinyl cutting.



Integrated media rollers and roll end flanges load your vinyl straight and keep your media on track, even cutting at top speed.



D60

60 cm drag knife



D120

120 cm drag knife

D140

140 cm drag knife



D160 160 cm drag knife



WWW.SUMMA.EU

SummaCut Series

^{*}For complete specifications visit www.summa.eu

Contour cutting with OPOS





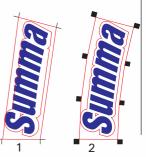
The automated contour alignment system OPOS stands for **O**ptical **Pos**itioning System. The OPOS X sensor technology senses marks on a wide range of materials.

Some of our latest features include a fully automated workflow with barcode reading, enabling you to contour-cut multiple jobs without any user intervention. Another feature is while using multiple sheets with

repeating graphics, the OPOS sensor will start looking for markers immediately after a new sheet is loaded.

Multiple Markers:

OPOS has the unique capability of registering multiple markers along a job. This enables our system of scanning large jobs without loss of accuracy. Compared to a typical 4 point alignment system, which will generate inaccuracies in the contour. OPOS can scan a minimum of 4 to a maximum of 128 markers allowing a much higher precision even on large jobs.



Media Basket

As the media advances, output collects neatly in a linen basket (optional on D60 models), preventing dust and debris from collecting on the media. This eliminates the problem of media coming in contact with dirty floors, which can contaminate work surfaces and result in particles being trapped between the vinyl and substrate. The basket also neatly organises vinyl and other media when processing multiple jobs.

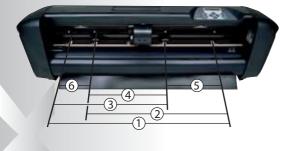




Sturdy Metal Stand with fabric basket on 4 roller casters (#399-075)



SummaCut D60FX



Price Breaker

Benefit from all the goodies of the Summacut Series at a bottom price. With four pinchroller positions (handling 6 basic sizes) and an extended cutting mode, the SummaCut D60**FX** is optimized for most common media sizes.

Media Width

11.5 TO 67 CM

1) >595 MM (61 CM) 2) >490 MM (50 CM) 3) >395 MM (40 CM)

4) >290 MM (A3) 5) >210 MM (A4) 6) >115 MM (SENSOR DISABLED)

Cutting Area 1) 575 MM X 50 M 2) 470 MM X 50 M 3) 375 MM X 50 M

4> 270 MM X 50 M 5> 190 MM X 50 M 6> 95 MM X 50 M

MAXIMUM CUTTING WIDTH IN EXTENDED MODE: 63 CM

For other specification: see standard SummaCut D60

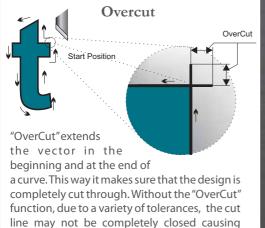
INTERNAL INTELLIGENCE

Smart



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:





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



without OPTiCut with OPTiCut

performing complex movements. Making sure the knife is orientated correctly. This revolutionary technology gives you optimal quality during your blade's lifetime.

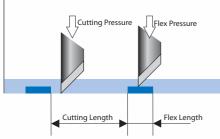
CUTTING THROUGH WITH FLEXCUT



difficulties when weeding.

FFATURF

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.





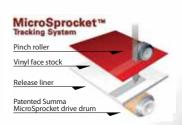
MATERIAL TRANSPORT

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

SYSTEM

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



Summa

stay on track



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
- ! CUTTING BY 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.softeamweb.com





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