



# SummaCut Series<sup>™</sup> S Class 2 Series<sup>™</sup>

World renowned  
vinyl and contour cutters

[www.summa.eu](http://www.summa.eu)



# SUPERIOR VINYL AND CONTOUR CUTTERS



The Summa S Class 2 cutter has a processor, which is seven times more powerful than its predecessor.

A vibrant color touchscreen, a network port, fast and reliable USB connection and an even faster OPOS sensor make the S Class 2 cutter prepared for many years to come.

Equipped with a new trim and sheet cut functionality, the cutter is now more than ever the perfect companion for large format printers.



**S2 75**  
Drag or Tangential Knife



**S2 120**  
Drag or Tangential Knife



**S2 140**  
Drag or Tangential Knife



**S2 160**  
Drag or Tangential Knife

# ADVANCED CUTTER FOR HIGH-VOLUME VINYL AND DIGITAL PRINT SHOPS

Signmaking has evolved, which means, you need equipment that is both flexible and durable. Summa S Class 2 cutters are built on a foundation of rock-solid reliability and offer features to handle virtually any material you feed them with.

Like the finely-tuned suspension in a sports car, our precision tracking lets us put more power under the hood to improve your performance. The S Class 2 cutter features a dual servomotor design that cuts amazingly fast, and Summa tracking lets you do it with complete confidence.

From cutting 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 do the job day in and day out.

The accuracy of our European-crafted cutters is precisely what makes them so durable. Not only do you receive amazing reliability, you also get the confidence of knowing your expensive films and valuable vinyl prints will be cut precisely, each and every time.

## FEATURES & TECHNICAL SPECIFICATIONS

- 1 The Summa S Class 2 cutter is unquestionably the world's most advanced cutter. With its **exclusive touch-control panel**, it is also, by far, the easiest to use.
- 2 **OPOS X contour cutting alignment** delivers OPOS unparalleled accuracy and automation, even on laminated images.
- 3 The cutting head includes an **automatic cut-off knife**, which can optionally be set as to slice your media at the end of each job.
- 4 The Summa S Class 2 cutter is standardly equipped with an **Ethernet port** for fast and reliable connection to a network and a USB stick can be used to store jobs for later use.

Eight built-in and quickly accessible **user configurations** make switching between different jobs and media fast and easy.



**Powerful tangential head**



**Accurate OPOS X contour cutting**



**Vibrant color touch screen**



**Legendary tracking**



**Quick accessible user configurations**



**FlexCut feature**



| Model                       | S2 75   | S2 120            | S2 140   | S2 160            |
|-----------------------------|---|-------------------|--|-------------------|
| <b>Dimensions</b>           | 141 x 68 x 111 cm   | 187 x 68 x 111 cm | 202 x 68 x 111 cm  | 225 x 68 x 111 cm |
| <b>Media Width</b>          | 6 to 84 cm  | 12 to 130 cm      | 17 to 145 cm   | 17 to 168 cm      |
| <b>Cutting Area</b>         | 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   |                   |  |                   |
| <b>Alignment Type</b>       | <ul style="list-style-type: none"> <li>• OPOS X (OPOS CAM : Factory upgrade on new Summa S Class 2 S75T and S160T)</li> <li>• Barcode Jobrecognition</li> </ul> |                   | <ul style="list-style-type: none"> <li>• Up to 2 x 64 marks on the X-line</li> <li>• Y- Line compensation</li> </ul> |                   |
| <b>Tracking Performance</b> | Within +/- 0.1 mm on plots: up to 12 m long on rolls up to 760 mm wide*<br>up to 4 m long on rolls over 760 mm wide*  |                   |  |                   |
| <b>Accuracy</b>             | 0.2 % of movement or 0.25 mm, whichever is greater*   |                   |  |                   |
| <b>Speed</b>                | Up to 141 cm/sec diagonal   |                   |  |                   |
| <b>Acceleration</b>         | Up to 5.5 G diagonal  |                   |  |                   |
| <b>Knife Pressure</b>       | Drag Knife: Up to 400 grams / Tangential Knife: Up to 600 grams   |                   |  |                   |
| <b>Connectivity</b>         | USB; Ethernet   |                   |  |                   |
| <b>Included Software</b>    | Cutter Control software; Winplot™ & MacSign™ Cut cutting software   |                   |  |                   |

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

# PERFORMANCE VINYL AND CONTOUR CUTTERS

## SUMMACUT® SERIES

Since 1996, the SummaCut Series has evolved to become the world's most advanced performance-price leader. The new SummaCut Series is the product of decades of Summa's brilliant European engineering.

Numerous refinements have been made, such as the OPOS X technology, which is known from our most advanced S Class 2 cutting plotters. The OPOS X technology is now integrated into a newly designed drag knife cutting head.

The SummaCut Series is capable of reading registration marks for contour cutting on standard materials but also on reflective, holographic or mirroring materials, and on the many different types of laminates being used today.



D60  
D60FX



D120



D140  
D140FX



D160

# VINYL CUTTERS THAT SET THE INDUSTRY STANDARD FOR PERFORMANCE AND VALUE

The SummaCut cutter features highly complex algorithms to compensate for any deformation of the print, using the world's most reliable sensor technology. This makes the SummaCut cutter a winning contour cutter for any sign or print shop.

Summa engineers know there is not a more important vinyl cutter feature than tracking. This is why every cutter we build starts with our exclusive and patented MicroSprocket™ grit roller.

Milled from the finest materials in a unique process assuring each roller has an exacting diameter, we then specially coat each roller to eliminate the risk of wear and oxidation which could degrade tracking over time.

Quality craftsmanship is about more than low price. It is about value. With cutting performance that rivals other top-of-the-line cutters, it comes as no surprise that the affordably priced SummaCut D60 is one of the most popular vinyl cutters ever built.

## FEATURES & TECHNICAL SPECIFICATIONS

**1 The large, easy-to-use control panel** allows you to quickly and easily change settings such as speed, pressure and plot mode in order to perform test cuts.

**2 Our high-speed cutting head** features the utmost accuracy for exceptionally reliable and effortless vinyl cutting.

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

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



Intuitive control panel



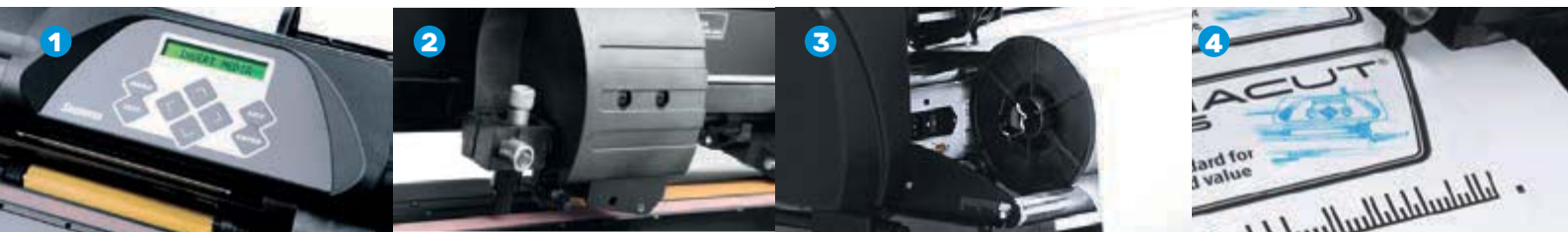
Accurate OPOS X contour cutting



FlexCut feature



Legendary tracking



| Model                                  | D60 (FX)  | D120                    | D140 (FX)  | D160                        |
|--|---|-------------------------|--|-----------------------------|
| <b>Dimensions</b>                      | 100 x 35 x 30 cm  | 160 x 68 x 112 cm       | 175 x 68 x 114.5 cm  | 198 x 68 x 114.5 cm         |
| <b>Media Width</b>                     | 7 to 66 cm  | 12 to 126 cm            | 18 to 141 cm   | 18 to 164 cm                |
| <b>Cutting Area**</b><br>extended mode | 60 cm x 50 m**<br>63 cm   | 120 cm x 50 m<br>123 cm | 135 cm x 50 m**<br>138 cm  | 157.5 cm x 50 m<br>160.5 cm |
| <b>Alignment Type</b>                  | <ul style="list-style-type: none"> <li>• OPOS X</li> <li>• Barcode Jobrecognition</li> </ul>                        |                         | <ul style="list-style-type: none"> <li>• Up to 2 x 64 marks on the X-line</li> <li>• Y- Line compensation</li> </ul> |                             |
| <b>Tracking Performance</b>            | Within +/- 0.1 mm on plots: up to 8 m long on rolls up to 760 mm wide*<br>up to 4 m long on rolls over 760 mm wide* |                         |  |                             |
| <b>Accuracy</b>                        | 0.2 % of movement or 0.25 mm, whichever is greater*   |                         |  |                             |
| <b>Speed</b>                           | Up to 113 cm/sec diagonal   |                         |  |                             |
| <b>Acceleration</b>                    | Up to 3 G diagonal  |                         |  |                             |
| <b>Knife Pressure</b>                  | 0 - 400 grams, in 5 gram increments   |                         |  |                             |
| <b>Connectivity</b>                    | USB<br>RS232 (serial)   | USB<br>Ethernet         | USB<br>Ethernet  | USB<br>Ethernet             |
| <b>Included Software</b>               | Cutter Control software; Winplot™ & MacSign™ Cut cutting software   |                         |  |                             |

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

\*\* SummaCut FX series differ from the regular series, please see the next page for the SummaCut FX series specifications

# FEATURES OF BOTH THE **S CLASS 2** & THE **SUMMACUT** SERIES

## 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 center.

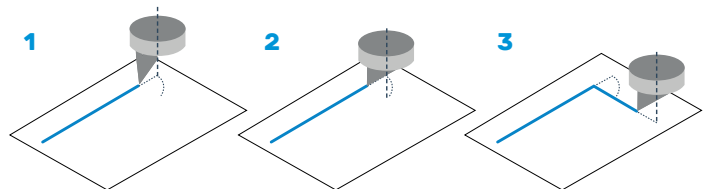
In order to know the position of the freely rotating knife inside the knife holder, a drag movement is made, assuming the knife tip will follow accordingly.

Summa cutters include enhanced methods to optimize this drag movement in order to obtain the best possible cutting quality.



## DRAG MOVEMENT

- 1** The Drag Knife stops cutting right 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.



## DUAL HEAD

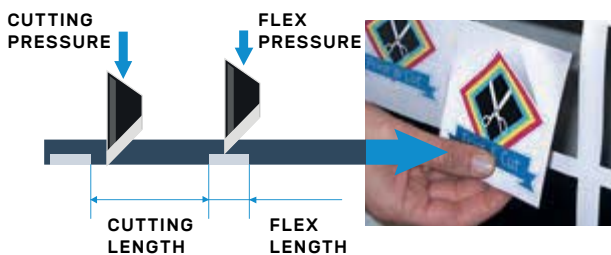
As an option, the S Class 2 T Series and the SummaCut Series can be equipped with a cutting head with dual functionality. This special Dual Head features an extra pen adaptor, instead of the OPOS sensor, allowing you to work alternately with each tool.

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



## CUTTING THROUGH WITH 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

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, covering the complete guaranteed tracking length. Nevertheless, also longer jobs are accepted by the cutter.

The guaranteed tracking length also indicates the possibility of doing multiple jobs sequentially, exceeding the guaranteed tracking length several times without the need of reloading the media.



## INTERNAL INTELLIGENCE

Summa cutters are loaded with intelligent routines, optimizing the cutting data.

All Summa cutters use an advanced vector look-ahead technology that cuts complex images and lettering with improved efficiency.

The benefits are extensive. The cutting time is reduced considerably, curves are smoother, and the motors are less loaded, which increases the lifetime of the plotter.

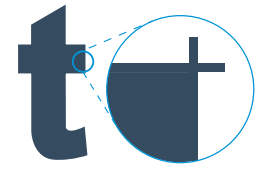
Other intelligent features include:

### 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 makes sure the knife is orientated correctly. This revolutionary technology gives you optimal quality during your blade's lifetime.



OverCut



without / with OptiCut  
5 mm character

## CONTOUR CUTTING WITH OPOS

The automated contour alignment system OPOS stands for Optical Positioning System. The OPOS X sensor technology senses marks on a wide range of materials. Some of its features include a fully-automated workflow using **OPOS barcodes**, enabling you to contour cut multiple jobs without intervention.

Another feature automates the contour cutting of multiple sheets with repeating graphics. During this workflow, the OPOS sensor will start to look for marks, immediately after a new sheet is loaded.



Without  
OPOS



With  
OPOS

## MULTIPLE STRENGTHS

One of the strengths of OPOS is the unique ability to register multiple marks: a minimum of 4 and a maximum of 128 marks along a job and an OPOS XY-line in front of the job. The OPOS XY-line makes it possible to compensate deformations along the width of the machine as well.

This combination allows our system to contour cut large jobs more accurately.



## SUMMARY

|                                  | SummaCut FX Series                           | SummaCut Series   | S Class 2 D series   | S Class 2 T series   | OPOS CAM series  |
|----------------------------------|--|---|--|--|--|
| <b>Description</b>               | Reliable, No-Nonsense Contour & Vinyl Cutter | Reliable, Efficient, No-Nonsense Vinyl & Contour Cutter | Maximum Performance, Reliable, Efficient, Vinyl & Contour Cutter | Maximum Possibilities, Versatile, Flexible, Vinyl & Contour Cutter | Maximum Possibilities, Versatile, Flexible, Vinyl & Contour Cutter |
| <b>Maximum Media Width</b>       | 60<br>66 cm                                  | 75<br>-<br>120<br>142 cm                                | 84 cm  | 130 cm   | 145 cm   |
| <b>Cutting Technology</b>        | Drag Knife                                   | Drag Knife  | Drag Knife   | True Tangential Knife  | True Tangential Knife  |
| <b>Opos X (Contour Cutting)</b>  | ✓  | ✓   | ✓  | ✓  | ✓  |
| <b>Opos CAM (Camera)</b>         | -  | -   | -  | -  | ✓  |
| <b>Barcode Support</b>           | ✓  | ✓   | ✓  | ✓  | ✓  |
| <b>FlexCut (Cutting Through)</b> | ✓  | ✓   | ✓  | ✓  | ✓  |
| <b>Roll-up</b>                   | -  | -   | Optional   | Optional   | Optional   |
| <b>Velocity</b>                  | **   | ***   | *****  | *****  | *****  |
| <b>Flexible Working Sizes</b>    | -  | ✓   | ✓  | ✓  | ✓  |

# FEATURES SPECIFICALLY FOR THE **S CLASS 2** SERIES



## TANGENTIAL KNIFE TECHNOLOGY

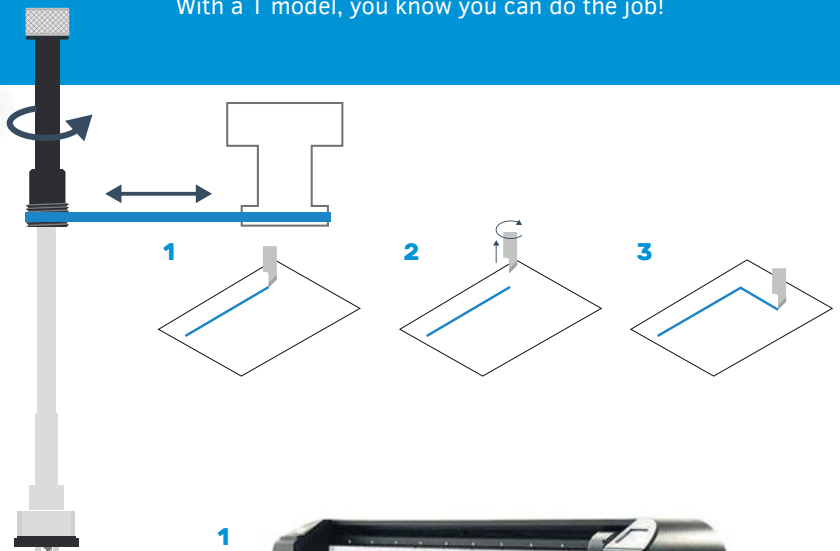
Tangential cutting technology guarantees a superior performance compared to commonly used swivel knife techniques. The direction of the Tangential Knife is electronically controlled, enabling the T Series to cut very precisely and with very high pressures. The perfect cut ensures easy weeding, saving you valuable time. The patented nose piece prevents small pieces from being pushed out of the vinyl while cutting.

With up to 600 grams of cutting force, the Summa S Class 2 cutter 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!

## TANGENTIAL MOVEMENT

- 1** The Tangential Knife stops cutting right before a corner.
- 2** A motor lifts and re-oriens the blade.
- 3** Once the blade has reached the desired angle, it is lowered and continues to cut the corner.



## MEDIA OPTIONS

### A servo-powered roll-up system <sup>(1)</sup>

(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.

The S Class 2 can therefore cut complete rolls unattended and deliver the output nicely rolled-up.



**1**



**3**



### A solid, most effective media rack <sup>(2)</sup>

(S2 140 & S2 160)

*Note: The roll-up system and the media rack cannot be combined.*

### Extra pinchrollers <sup>(3)</sup>

(S Class 2 Series & SummaCut Series)

Extra pinchrollers can be installed when required.

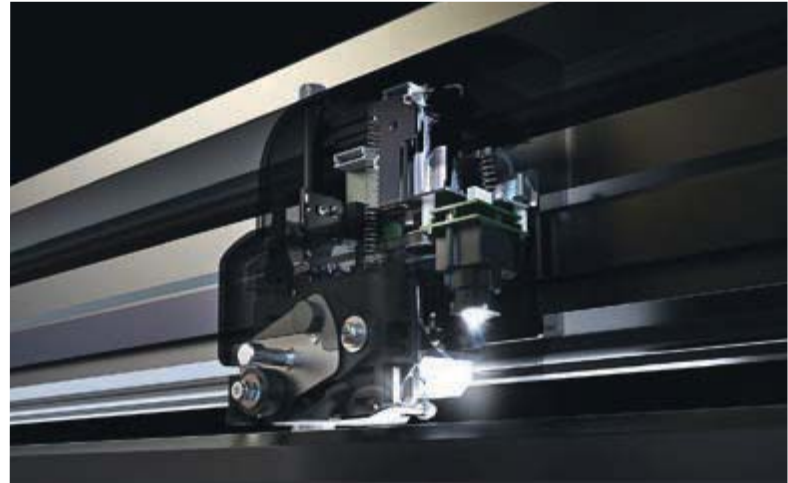


## OPOS CAMERA

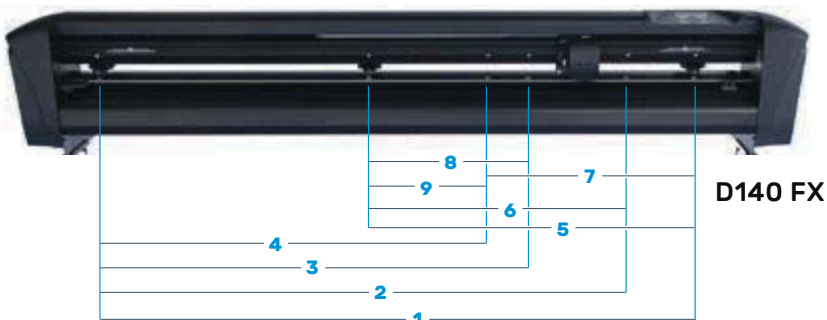
With OPOS CAM, Summa delivers yet another amazing innovation with the printing industry's first camera recognition alignment solution for friction-driven vinyl drum cutters.

Summa customers in volume-driven workflow environments will now be able to excel against the competition with extremely fast precision and accurate cutting of short or long run contour cutting jobs.

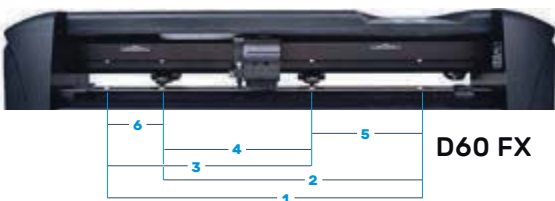
OPOS CAM is a factory upgrade option now available on all new Summa S Class 2 S75T, S140T and S160T vinyl cutting plotters.



## FEATURES SPECIFICALLY FOR THE **SUMMACUT** SERIES



**D140 FX**



**D60 FX**

## MEDIA BASKET

(OPTIONAL D60, D60FX & D140FX)

As the media advances, the output will be neatly collected in a textile basket, optional on D60, D60FX and D140FX models, preventing dust and debris from collecting onto the media. This eliminates the problem of media coming in contact with dirty floors, which could contaminate work surfaces and result in particles being trapped between the vinyl and substrate. The basket also neatly organizes vinyl and other media when processing multiple jobs.

For the S Class 2 Series and SummaCut D120-D140-D160, the media basket is always standard included.

## SUMMACUT FX SERIES

### Price Breaker

Benefit from all the features of the SummaCut Series at an affordable price.

With pinch roller positions handling most common sizes and an extended cutting mode, the SummaCut FX Series is optimized for most common media sizes.

|                                   |                  |                  |                  |
|-----------------------------------|------------------|------------------|------------------|
|                                   | <b>1</b> 1324 mm | <b>2</b> 1174 mm | <b>3</b> 954 mm  |
| <b>D140 FX Working Area</b>       | <b>4</b> 864 mm  | <b>5</b> 720 mm  | <b>6</b> 570 mm  |
|                                   | <b>7</b> 454 mm  | <b>8</b> 350 mm  | <b>9</b> 260 mm  |
| <b>D140 FX Target Media Width</b> | <b>1</b> 1372 mm | <b>2</b> 1220 mm | <b>3</b> 1000 mm |
|                                   | <b>4</b> 914 mm  | <b>5</b> 762 mm  | <b>6</b> 610 mm  |
|                                   | <b>7</b> 500 mm  | <b>8</b> 406 mm  | <b>9</b> 297 mm  |
| <b>D60 FX Working Area</b>        | <b>1</b> 575 mm  | <b>2</b> 470 mm  | <b>3</b> 375 mm  |
|                                   | <b>4</b> 270 mm  | <b>5</b> 190 mm  | <b>6</b> 95 mm   |
| <b>D60 FX Target Media Width</b>  | <b>1</b> 610 mm  | <b>2</b> 500 mm  | <b>3</b> 400 mm  |
|                                   | <b>4</b> 297 mm  | <b>5</b> 210 mm  | <b>6</b> 115 mm  |



### OPTIONAL STANDS FOR SUMMACUT D60 (FX)

- 1** Sturdy Metal Stand on 4 roller casters (#399-050)
- 2** Sturdy Metal Stand with fabric basket on 4 roller casters (#399-075)

# TWO BEATS ONE

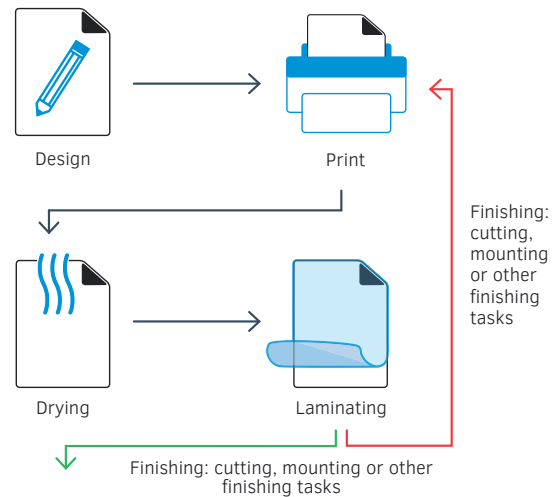
## UNIQUE BENEFITS OF SUMMA'S DEDICATED CUTTING EQUIPMENT

- ✓ Cutters can do things no printer-cutter is designed to do. That is especially true with Summa cutters. Not only do they perform the simple kiss-cutting, needed to contour cut labels and graphics, but they can also **cut completely through** the backing in order to eliminate the need to manually cut individual labels. Or the user can kiss-cut and cut a separate path that goes through the backing in a **single operation** to create sheets of labels or large contour cut graphics that do not need to be sectioned manually by the cutter operator.
- ✓ **Alignment systems** Summa OPOS X can handle up to **128 marks**.
- ✓ Manual tasks are eliminated, which **improves** operator **productivity** and **reduces** job **costs**.
- ✓ Professional-grade cutters are far more capable than the light-duty cutting heads on inkjet printer-cutters, and they have **more cutting force** (grams of down force).
- ✓ Summa cutters can handle **very rigid materials**, such as Lexan over-laminate, floor graphic kits and other thick and semi-rigid laminates. But that is merely one aspect of what separates a dedicated cutter from a printer with a cutting head.
- ✓ **Material tracking** in cutters is designed for back-and-forth travel on a sheet of labels. It might go back and forth as many as 50 times. Summa cutters have **heavy-duty** motors, which can handle the weight of large, laminated prints. Moreover, they cut with much **greater consistency**, assuring that every label is cut **precisely** and **weeded easily**.
- ✓ Many print shops evolved from screen printing and still do both printing and cutting. Summa cutters are **optimized** for all types of printing and add value throughout the organization.
- ✓ Cutting involves more than just printed vinyl. **Vinyl graphics** and **lettering** are also commonly produced by shops of all sizes. It makes no sense whatsoever to schedule production of cut vinyl in print production.
- ✓ You are far better-served with a vinyl cutter that can do **all cutting**, whether contour cutting or cut vinyl lettering.

## DISADVANTAGES OF A HYBRID PRINTER & CUTTER

- ✗ Sending jobs back into print production to perform cutting tasks would **delay** other printing and would significantly limit the capacity of the printer.
- ✗ **Alignment systems** are limited to a **4-point** method. Therefore alignment systems and built in print-and-cut units are slow, inaccurate and limited in use with different materials and laminates.
- ✗ The light-duty cutting heads on inkjet printer-cutters have **less cutting force** (grams of down force) and are far less **uncapable** when compared to the professional-grade cutters.
- ✗ The **cutting speed** of integrated printer-cutters is much lower than the one on Summa cutters, which will **reduce** the printing **capacity** even more.
- ✗ With modern print techniques, a great deal of **heat** is used, **deforming** the printed material significantly.
- ✗ Cutting after printing without reloading and aligning generates significant shift between the print and the cut line. Long jobs will **fail** completely.

### Workflow




## MORE THAN JUST CONTOUR CUTTING








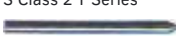
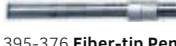


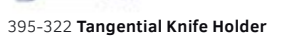
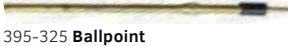
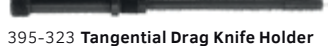
| Greater productivity | More accurate | More cutting modes | More material choices |

# CONSUMABLES & SOFTWARE

## SUMMACUT & S CLASS 2 D SERIES

|  |   |
|--|---|
| <br>MP06BK <b>Black fiber-tip</b><br>(4 pcs-0,3 mm pens)  | <br>391-332 / Dia 1.5 mm<br><b>Standard Drag Knife Holder</b>  |
| <br>391-595 <b>Pouncing Kit</b><br>SummaCut   | <br>391-363 / Dia 2 mm<br><b>Thicker Material Knife Holder</b> |
| <br>395-313 <b>Pouncing Kit</b><br>S Class 2 D Series   | <br>391-360 / Dia 1.5 mm<br><b>36° Drag Blade</b> (5 pcs)      |
| <br>395-430 <b>Roller Ball</b> (5 pcs-Black)  | <br>391-231 / Dia 1.5 mm<br><b>60° Drag Blade</b> (1 pc)       |
| <br>395-431 <b>Roller Ball</b> (5 pcs-Blue)   | <br>391-358 / Dia 2 mm<br><b>55° Drag Blade</b> (5 pcs)        |
| <br>391-592 <b>Pouncing Pin</b>   |   |
| <br>395-434 <b>Universal Pen Holders</b> (2 pcs)<br>Black/Copper<br>Not compatible for extra pen position with dual heads |   |

## S CLASS 2 T SERIES

|  |  |  |
|--|--|--|
| <br>395-348 <b>Standard Nose Piece</b>                  | <br>395-347 <b>Low Nose Piece</b>                 | <br>395-330 <b>Dummy Nose Piece</b> |
| <br>390-553 <b>Blade Install Tool</b>                 | <br>390-534 <b>36° Tangential Blade</b> (5 pcs) |  |
| <br>395-315 <b>Pouncing Kit</b><br>S Class 2 T Series | <br>390-551 <b>36° Double Tip Blade</b>         |  |
| <br>391-592 <b>Pouncing Pin</b>                       | <br>390-560 <b>45° Double Wedge</b>             |  |
| <br>395-376 <b>Fiber-tip Pen</b>                      | <br>390-550 <b>60° Tangential Blade</b>         |  |
| <br>395-324 <b>Holder for Ballpoint</b>               | <br>395-322 <b>Tangential Knife Holder</b>      |  |
| <br>395-325 <b>Ballpoint</b>                          | <br>395-323 <b>Tangential Drag Knife Holder</b> |  |

## GENERAL

|  |   |
|--|---|
| <br>391-386 <b>Cutting Strip</b> (1 Pc)<br>Models : 500 > 760                       | <br>400-565 <b>Cutting Strip</b> (1 Pc)<br>Models : 1400 > 1600 &<br>S2 140 & S2 160 |
| <br>391-886 <b>Cutting Strip</b> (1 Pc)<br>Models : 1000 > 1300 &<br>S2 75 & S2 120 | <br>391-146 <b>Replacement Blades</b><br>(10 Pack)                                   |
| <br>391-290 <b>Cut-Off Knife</b><br>Without trackbase                               |   |
| <br>391-510 <b>Core Holders</b><br>(2 Pc)   |   |

### Cutter knife guidelines

When you choose a knife to cut your material, always use the lowest degree knife (shallowest angle), assuming the thickness of the material did not exceed the maximum listed for that knife.

|  | D Series    | 391-360<br>36° Drag Blade<br>(5 pcs)             | 391-231<br>60° Drag Blade<br>(1 pc) | 391-358<br>55° Drag Blade<br>(5 pcs) | T Series | 390-534<br>36° Tangential Blade | 390-551<br>36° Double Tip | 390-560<br>45° Double Wedge | 390-550<br>60° Tangential Blade |
|--|-------------|--|-------------------------------------|--------------------------------------|----------|---------------------------------|---------------------------|-----------------------------|---------------------------------|
| <b>Standard Vinyl</b>  | Recommended |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>Engineering Reflective</b>  | Alternative |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>Sandblast (Monument)</b>  |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>Rhinestone</b>  |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>Heat Press (Apparel)</b>  |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| Material thickness is the first specification to determine which knife to use. If the material thickness is unknown, please use the following recommended chart. |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>Max. Thickness (mm)</b>   |             | 0.25   | 0.60                                | 0.80                                 |          | 0.25                            | 0.25                      | 1.00                        | 1.20                            |
| <b>Max. FlexCut Thickness (mm)</b>   |             | 0.50   | 0.60                                | 0.80                                 |          | 0.25                            | 0.25                      | 1.00                        | 1.20                            |
| <b>391-332 / Dia 1,5 mm Standard Drag Knife Holder</b>   |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>391-363 / Dia 2 mm Thicker Material Knife Holder</b>  |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>395-322 Tangential Knife Holder</b>   |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>395-348 Standard Nose Piece</b>   |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>395-347 Low Nose Piece</b>  |             |  |                                     |                                      |          |                                 |                           |                             |                                 |
| <b>395-330 Dummy Nose Piece</b>  |             | is used for Ballpoint and Holder for Drag Blades |                                     |                                      |          |                                 |                           |                             |                                 |

## WINPLOT™ & MACSIGN™ CUT

### WinPlot

WinPlot is a cutting software utility for the Microsoft Windows operating systems, which is delivered free of charge with every new Summa cutter.

**Compatibility:** WinPlot supports all Summa cutting devices, including SummaCut and S Class 2. 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 .pdf files from other applications.

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

**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. / **Paneling:** Jobs larger than the media width will be split in panels. / **Integration of OPOS:** Using Summa's Optical Positioning System has never been easier. / **Weeding Box:** Automatically generates weeding boxes around cut images. / **Cutting by color**

### MacSign Cut

MacSign Cut is a "bridge" application that imports artwork saved by popular desktop publishing applications (e.g., Illustrator, Freehand, Canvas, CorelDRAW, and so on) and sends them to Summa vinyl cutters. Imported artwork is displayed on the worksheet before processing and can be resized, positioned, mirrored, turned, distorted, duplicated, etc. The tiling feature separates a design into two or more pieces, with user-specified overlaps, and allows you to cut designs larger than the cutter width.

After a 30-day trial, free registration is required. MacSign Cut is included with every Summa cutter. Compatible with: Mac OS X (10.5 10.12), Mac OS 9

# WinPlot™





**WARNING**  
HAZARDOUS MOVING PARTS  
KEEP FINGERS AND OTHER BODY PARTS AWAY  
-----  
**ATTENTION**  
PARTIES MOBILES DANGEREUSES  
TENIR LES DOIGTS ET AUTRES PARTIES DU CORPS ÉLOIGNÉES

# SummaCut Series™ S Class 2 Series™

World renowned vinyl and contour cutters



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Belgium

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