

EUROPEAN ENGINEERED

WORLD RENOWNED SINCE 1973

**SE  
CLASS**



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

## S CLASS 2

Superior vinyl and contour cutters



### 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 2 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 2 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.



| 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 160 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* :<br>UP TO 4 M LONG ON ROLLS OVER 760 MM WIDE* |                   |                   |                   |
| Accuracy                   | 0.2 % OF MOVE OR 0.25 MM, WHICHEVER IS GREATER*  |                   |                   |                   |
| Speed                      | UP TO 141 CM/SEC DIAGONAL  |                   |                   |                   |
| Acceleration               | UP TO 5.5 G DIAGONAL   |                   |                   |                   |
| Knife Pressure             | DRAG : UP TO 400 GRAMS, TANGENTIAL : UP TO 600 GRAMS   |                   |                   |                   |
| Connectivity               | USB : ETHERNET   |                   |                   |                   |

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



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



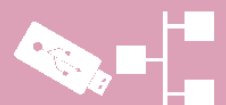
# S2 CLASS

Summa's new flagship, the S Class 2, has a processor which is seven times more power full than its predecessor. The new colour touchscreen, network connection, USB stick support and faster OPOS sensor makes S2 prepared for many years to come. New trim and sheet cut functionality makes the cutter more then ever the perfect companion for large format printers.

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



Summa S Class 2 is standard equipped with an ethernet port for fast and reliable connection to a network. An USB stick can be use to store jobs for later use.



**S2 75**  
75 cm drag or  
tangential knife



**S2 120**  
120 cm drag or  
tangential knife



**S2 140**  
140 cm drag or  
tangential knife



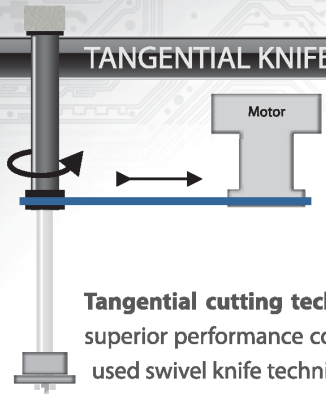
**S2 160**  
160 cm drag or  
tangential knife



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S Class Series


## 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!

*Genuine*




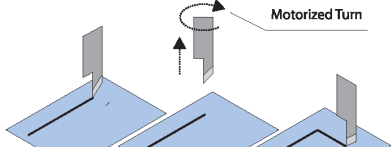
TANGENTIAL



### 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.






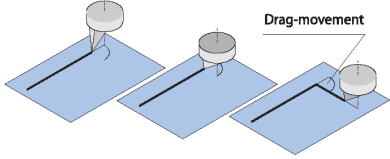
Motorized Turn

## 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.





Drag-movement

SUMMA CATALOGUE

## Media Options



### A servo-powered roll-up system (S160 & S140)

After a job is finished, the system will roll up the artwork very neatly and prepare the machine for the next unattended job. The 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.

### Extra Pinchrollers

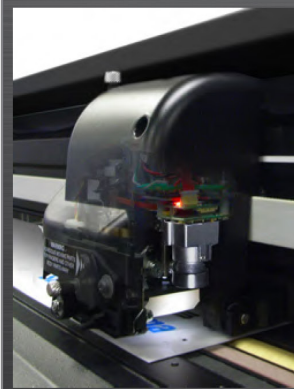
Extra pinchrollers can be installed to have extra grip when required.



### A solid, most effective media rack (S140 & S160)



## 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 their competition with super fast precision, 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 S75T, S140T and S160T vinyl cutting plotters.



## 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!



S Class Series

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