



### 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.

SUMMA CATALOGUE

Model	D60	D120	D140	D160
Media Width	7 TO 66 CM	12 TO 127 CM	18 TO 142 CM	18 TO 164 CM
Cutting Area (extended mode)	60 CM X 50 M (68 CM)	120 CM X 50 M (128 CM)	135 CM X 50 M (138 CM)	157.5 CM X 50 M (160.5 CM)
Dimensions	100 X 35 X 30 CM	160 X 68 X 112 CM	175 X 68 X 115 CM	198 X 68 X 115 CM
Repeatability (guaranteed)	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*			
Accuracy	0.2% OF MOVE OR 0.25MM, WHICHEVER IS GREATER			
Speed	UP TO 118 CM/SEC DIAGONAL			
Acceleration	UP TO 3 G DIAGONAL			
Knife Pressure	0 - 400 GRAMS, IN 5 GRAM INCREMENTS			
Connectivity	USB, RS232 (SERIAL)			
Included Software	CUTTER CONTROL SOFTWARE: WINPLOT & MACSIGN CUT CUTTING SOFTWARE			

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



EQUIPPED WITH  
**OPOS X**

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.



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



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



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



Optional Stand & Basket

### D120

120 cm drag knife



### D140

140 cm drag knife



### D160

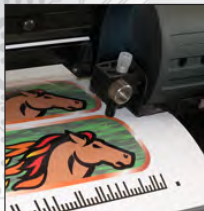
160 cm drag knife



[WWW.SUMMA.EU](http://WWW.SUMMA.EU)

SummaCut Series

## Contour cutting with OPOS



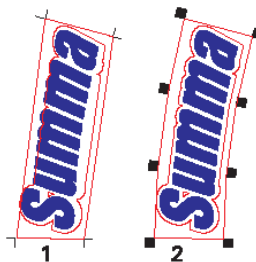
The automated contour alignment system OPOS stands for Optical Positioning System. The OPOS X sensor technology senses marks on a wide range of materials.

Some of 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.

EQUIPPED WITH  
**OPOS X**



## 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.



### Optional Stands for SummaCut D60

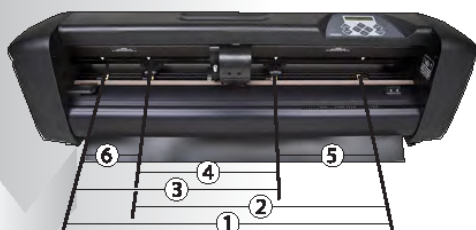
Sturdy Metal Stand  
on 4 roller casters  
(#399-050)



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 D60FX 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)
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

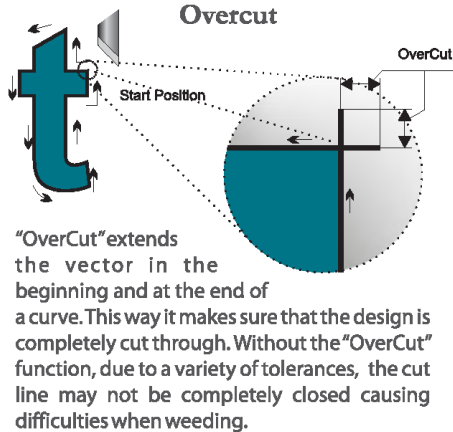
For other specification: see standard SummaCut D60

SUMMA CATALOGUE

## INTERNAL INTELLIGENCE

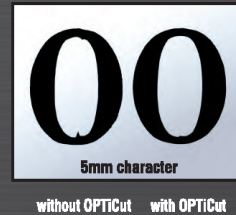


Summa cutters are loaded with several intelligent routines optimising the cutting data. All Summa Series use an advanced vector look-ahead technology that cuts complex images and lettering with improved efficiency. The benefits are extensive. Cutting time is reduced seriously, curves are smoother and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



### OptiCut

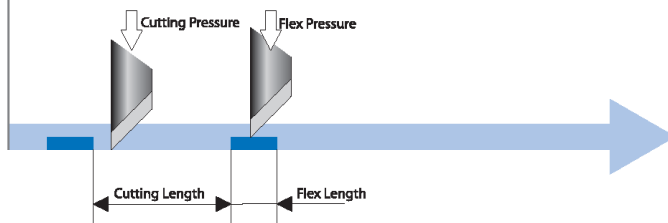
OptiCut, a function specially developed for drag-knife cutters, simulates tangential cutting. The OptiCut feature compensates for changes in blade offset, due to wear and tear, by performing complex movements. Making sure the knife is orientated correctly. This revolutionary technology gives you optimal quality during your blade's lifetime.



## CUTTING THROUGH WITH FLEXCUT



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.

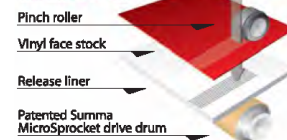


## MATERIAL TRANSPORT

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



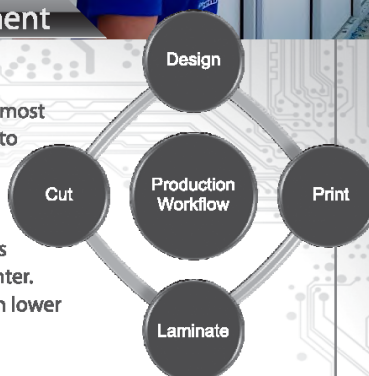
Cutter Features



## Unique benefits of dedicated cutting equipment

### More Productive Workflow

Printers that cut are highly inefficient in workflows that are common in most better-established print and sign shops. Jobs are sent from design to print-production. Once printed, images are allowed as much **drying time** as scheduling permits, and then **laminated**. Finally they're sent to finishing, which might involve cutting, mounting or other finishing tasks. Sending jobs back into print production to perform cutting tasks would delay other printing and significantly limit the capacity of the printer. On top of that, the **cutting speed** of integrated printer-cutters is much lower than on Summa Cutters, reducing the printing capacity even more.



### More Material Choice

Professional-grade cutters are far more capable than the light-duty cutting heads on inkjet printer-cutters. They have more cut-force (grams of down-force). Summa cutters can handle **hard-to-cut materials** like



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. They have heavy-duty motors that can handle the weight of large, laminated prints. And they cut with much greater consistency, assuring that every label is cut precisely and weeded easily.

Many print shops evolved for screen-printing, and still do both. Summa cutters are optimized for all types of printing, and add value throughout the organization.

### Unmatched Accuracy

With modern print techniques a lot of **heat** is used, **deforming** the printed material significantly. Cutting after printing without reloading and aligning will generate significant shift between the print and the cut line. Long jobs will completely fail. **Alignment systems** built in print&cut units are slow, limited in use on different materials and laminates and inaccurate as they are limited to a 4 point method while Summa OPOS X can handle up to 128 marks.

### Cut more than just prints: Integrates all cutting in one department

Cutting involves more than just printed vinyl. **Vinyl graphics** and **lettering** are also commonly-produced by shops of all sizes. It would make no sense whatsoever to schedule production of cut vinyl in print production. They are far better-served with a vinyl-cutter that can do all cutting, whether that's contour-cutting or cut-vinyl lettering. That consolidates all cutting and weeding where it belongs: in the cutting department by people that have the tools, space and knowhow to cut, weed, and apply pre-mask when needed. Doing those tasks in print production is extremely inefficient.

### Advanced cutting modes

Cutters can do things no printer-cutter is designed to do. That's especially the case with Summa cutters, which can not only perform the simple kiss-cutting needed to contour-cut labels and graphics. They can also **cut completely through** the backing to eliminate the need to hand-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. Manual tasks are eliminated, which improves operator productivity and reduces job-cost.