

# SUMMACUT

Performance vinyl and contour cutters



## 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	D60	D120	D140	D160
Media Width	7 TO 67 CM	12 TO 127 CM	18 TO 142 CM	18 TO 164 CM
Cutting Area (extended mode)	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)
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 113 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)



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

## D120

120 cm drag knife

## D140

140 cm drag knife

## D160

160 cm drag knife



## Contour cutting with OPOS

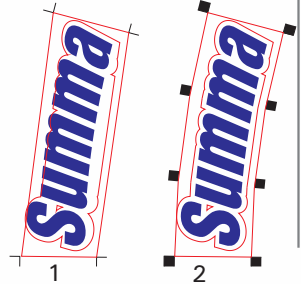


The automated contour alignment system OPOS stands for **O**ptical **P**ositioning System. The OPOS X sensor technology senses marks on a wide range of materials.

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.



### Optional Stands for SummaCut D60

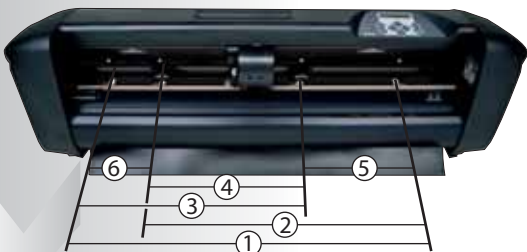
Sturdy Metal Stand on 4 roller casters (#399-050)



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)
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



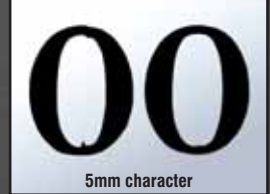
Summa cutters are loaded with several intelligent routines optimising the cutting data. All Summa Series use an advanced vector look-ahead technology that cuts complex images and lettering with improved efficiency. The benefits are extensive. Cutting time is reduced seriously, curves are smoother and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

### Overcut

"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.

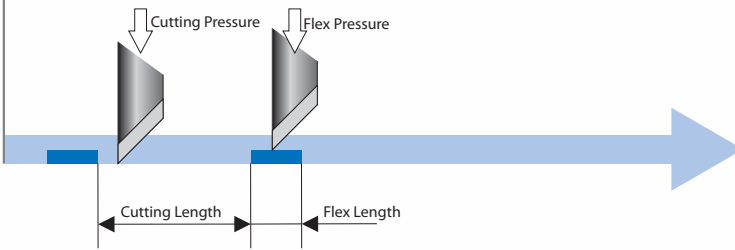


without OPTiCut with OPTiCut

## 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

