Summa DC Series: Quite simply, the best thermal printers available today

In the world of thermal transfer printing technology, Summa DC Series reigns supreme. In fact, no other thermal transfer printer even comes close. At 137 cm, the DC5 is the world s widest thermal transfer printer and over four times the width of its nearest competitor. An eight station ribbon-changer eliminates manual ribbon changes, allowing unattended printing of up to 58 m². Variable width vinyl handling makes it the most versatile printer in its class. Choose from a host of special print-modes, like High Resolution for great-looking photos, or Double Density for back-lit images that are ultra-rich. Plus, built-in cutting means you can produce custom labels and contour cut graphics up to 127.5 cm wide on 45 meter media.

The Summa DC5sx is a more compact and affordable alternative to the larger DC5, yet remains top-of-the-line in terms of equipment durability, print quality and production speed. Tracking and cutting features are also identical to the Summa DC5, assuring the same spot-on accuracy Summa owners have come to expect.

The DC Series prints and cuts on a wide variety of media in 50 cm, 61 cm, 75 cm, 100cm, 122 cm or 137 cm widths. Using the automatic tiling feature found in our RIP software, images of unlimited size can be produced, from tiny labels to huge fleet graphics. Just plug the DC5 or DC5sx into a computer and get ready for some serious outdoor graphics production.

Vibrant Color Touch Screen

Summa DC5 is unquestionably the world's most advanced thermal transfer printer cutter. With its exclusive, color touch-control panel, it's also the easiest to use.

Built-In Ribbon Changer

The DC5 holds up to 8 high-capacity SmartRibbon™ cassettes and the DC5sx holds up to 5 cassettes. Each cassette can accommodate any ribbon color and the printer intelligently identifies the ribbon color, location, and usage.

Integrated Cutting-Head

A built-in cutter provides high speed contour cutting of printed graphics. Industry-leading die cutting capabilities combined with advanced auto-calibration technology allow for the utmost in unattended automation.

OptiPrint™ Media Pre-Cleaning System

Removes dust and debris that can cause image flaws. It delivers optimal print quality in a unique process that cleans the media immediately before the color pass is printed.

Included accessories and consumables

	DC5sx	DC5
RIP ColorControl 7.0 Print + Cut edition	Option	Inclusive
Power Take-up Rollers	Option*	Inclusive
Dual Basket	Option	Inclusive
Storage hard drive	Option	2GB
Quick-load ribbon cassettes	5 pcs	8 pcs
OptiPrint vinyl cleaning roller	Inclusive	Inclusive
Media Core holders	2 pcs	4 pcs
D Series blade holder	1 pc	1 pc
Powercord & USB cable	Inclusive	Inclusive
Multilingual Summa Printer Control (Windows)	Inclusive	Inclusive
Multilingual Operations Manual Ribbons	Inclusive	Inclusive
Roll of 3M® premium vinyl (45.7m)	1 set CMY	1 set CMYK
OptiPrint roller refill	-	1
Standard drag knives	1	1
	2	2

* only available as factory installed option
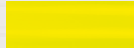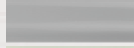
Model	DC5sx	DC5
Media Width	50, 61 and 76 cm	50, 61, 76, 100, 122 and 137 cm
Max. Image Width	67 cm	127.5 cm
Print Type	Thermal transfer	
Resolution	Max. 24 x 12 dpmm (609 x 304 dpi)	
Ink Type	Resin ribbons : in process or spot colours ; Metallic ribbons : gold, silver, blue and red (indoor use) Speciality ribbons: Holographic Protective transparent ribbon : Scratchguard	
Print Speed	Standard Mode : 8.7 m^2/hour - Spot / 3.2 m^2/hour - Process CMY High resolution : 6.2 m^2/hour - Spot / 2.3 m^2/hour - Process CMY Double density : 5.4 m^2/hour - Spot / 2.0 m^2/hour - Process CMY	
Cut Type	Drag knife	
Cut Speed	600 mm/sec axial	
Connectivity	USB, Ethernet ready	
Media Tracking	MicroSprocket™ with OptiTrac™	

For complete specifications, visit www.summa.eu

DC Series

Certified Ribbons

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.

Cyan	Ocean Blue	Bright Blue
Magenta	Red	Intense Red
Yellow	Golden Yel.	Orange
Black	Blue	Green
Gray	Hot Green	Aqua Green
White	Hot Turquoise	Hot Fuchsia
Mirror Silver*	Metallic Red*	Leaf Green**
Mirror Gold*	Metallic Blue*	Sunfl. Yel.**
Matte silver *	Matte gold*	Rose holographic *
ScratchGuard DC3, DC4(sx) & DC5(sx) only		

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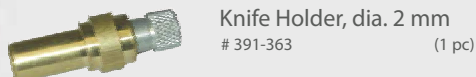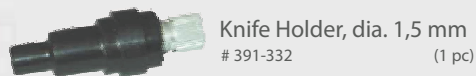*** These colours offer limited resistance to products containing alcohol.*

Certified Media

	DC5sx	DC5
2mil Premium 3M 635mm x 45,72m (White/Clear)	✓	✓
2milPremium 3M 762mm x 45,72m (White)	✓	✓
2mil Premium 3M 1000mm x 45,72m (White/Clear)	☐	✓
2mil Premium 3M 1365mm x 45,72m (White/Clear)	☐	✓

Consumables

Knife Holders

Knife Holder, dia. 1,5 mm
391-332   (1 pc)

Knife Holder, dia. 2 mm
391-363   (1 pc)

Knives

36° Blades, dia. 1,5 mm
391-360   (5 pack)

60° Blades, dia. 1,5 mm
391-231   (1 pc)

55° Blades, dia. 2 mm
391-358   (5 pack)

Miscellanea

Core Holders
391-510   (1 set)

Cut -Off knives
391-290   (1 pc)

Cutting strip
DC5sx #391-886   (1 pc)
DC5   #400-565   (1 pc)

Replacement Blades
391-146   (10 pack)
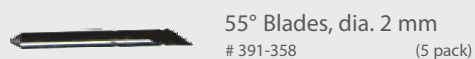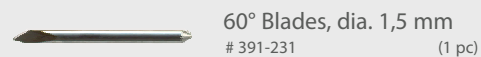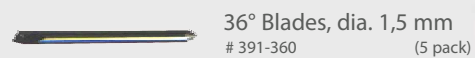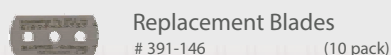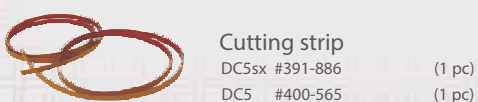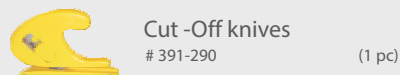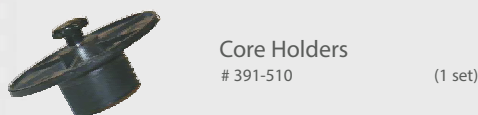
DuoSpot printing

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.
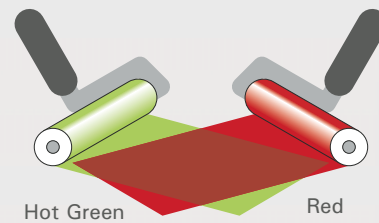
Hot Green   Red

ScratchGuard™

Without ScratchGuard™

With ScratchGuard™

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.

FlexCut

Flexcut

FEATURE

Summas 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.

Cutting Pressure   Flex Pressure

Cutting Length   Flex Length
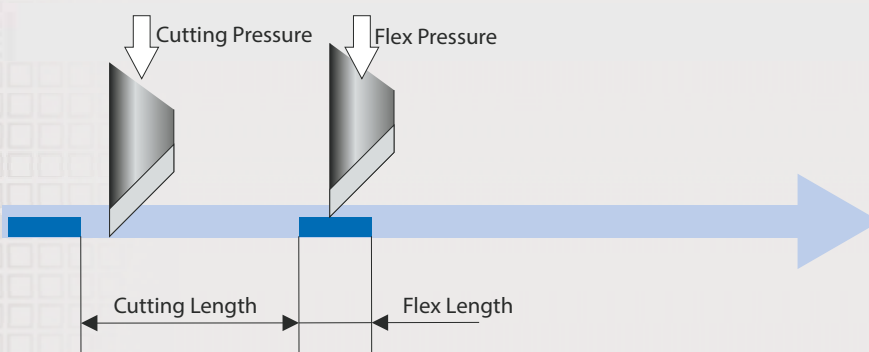
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