



# Xeikon Finishing DCOAT

The Xeikon DCoat solutions are ideally suited to apply varnish, die-cut, slit and rewind labels. The Entry DCoat is an attractive fixed entry level model, the Mini DCoat is a compact upgradeable version and the DCoat is a full blown and extendable solution to cover most converting needs for the self-adhesive label market. Both units are available in two width versions: the 13" - 330 mm and the 19.7" - 500 mm. The DCoats can run off-line or in-line with the Xeikon 3000 Series and the Xeikon CX3.

The DCoat features a built in unwinder, splice table, flood UV or Aqueous varnishing, semi rotary die-cutting, waste matrix removal, slitting, and rewinding. Options available for the DCoat include spot varnishing functionality, corona treatment, gapmaster and laser die-cutting. The DCoat is modular and can be extended for instance by a second flexo station. When using the DCoat in-line with a Xeikon 3000 Series press, a buffer is mandatory.



# DCOAT

## specifications

### XEIKON FINISHING

All of Xeikon's finishing products are designed to meet the needs and requirements of the markets that Xeikon printing presses are built for.

Key benefits include:

- ◆ Perfect combination of versatility, quality and productivity
- ◆ Perfectly adapted to work seamlessly with the Xeikon printing presses
- ◆ Adapted to handle a broad range of substrates
- ◆ Serviced by dedicated Xeikon engineers



#### Xeikon Manufacturing NV

T. +32 (0) 3 443 13 11  
 Duwijkstraat 17 - 2500 Lier - Belgium  
 www.xeikon.com - info@xeikon.com

#### DCOAT\_ENG\_AUG19\_spec

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	DCoat 330	MiniDCoat 330	Entry DCoat 330	DCoat 500	MiniDCoat 500
<b>Web width</b>	200 mm to 330 mm (8" to 13")			200 mm - 500 mm (8" - 19.7")	
<b>Substrate type, thickness</b>	SA label material, 40 µ - 200 µ				
<b>Roll diameter</b>	Support rollers Ø 90 mm (3.5")				
<b>Web guide</b>	Ultrasonic sensor				
<b>Splice Table</b>	Standard with clamps				
<b>Varnishing and lamination station</b>					
<b>Ink pump</b>	Standard	Optional	N/A	Standard	Optional
<b>UV flexo station</b>	Flood varnish				
<b>Print roller</b>	Standard Ø 97.2 mm width 324 mm, SH40 (Ø 3.8" width 12.7")			Standard Ø 97.2mm width 500 mm, SH40 (Ø 3.8" width 19.7")	
<b>Anilox roller</b>	Standard 120 l/cm - 10 cm <sup>2</sup> /m <sup>2</sup> (47,2LPI - 6,4BCM); other available on request				
<b>UV curing station air-cooled</b>	Adjustable intensity (15 - 100%), 5 kW - max. 132 W/cm (52 W/inch)			Adjustable intensity (15-100%), 6 kW - max. 120 W/cm (47.2 W/inch)	
<b>Lamination station</b>	Self-adhesive or UV-glued lamination with and without backing. Super gloss. Maximum laminate roll diameter 400 mm (15.7"); core diameter 76 mm (3")				
	Standard	Optional	N/A	Standard	Optional
<b>PreHeat Diecut</b>	Standard		N/A		
<b>Kocher and Beck pressure dials</b>	Standard		N/A		
	Standard distortion software for re-use of existing die plates. Die cylinder standard 635 mm (25") optional cylinder size 304.8 mm - 660.4 mm (12" to 26")*				
	Accuracy +/- 0.15 mm (depending on speed, material, distortion and repeat length)				
<b>Full rotary mode</b>	Max. speed 72 m/min (236 ft/min)		Max. speed 20 m/min (65 ft/min)	Max. speed 72 m/min (236 ft/min)	
<b>Semi rotary mode</b>	Repeat length 50.8 mm (2") - 558 mm (22")				
	Max. speed 50 m/min (164 ft/min)	Max. speed 45 m/min (147 ft/min)	Max. speed 20 m/min (65 ft/min)	Max. speed 32 m/min (104 ft/min)	
<b>Backscore</b>	Standard	Optional	N/A	Standard	Optional
<b>Output station</b>					
<b>Slitter (standard)</b>	Shear knives, crush knives or razor knives available				
	3 shear knives	3 pneumatic crush knives	3 pneumatic razor knives	3 shear knives	3 pneumatic crush knives
<b>Matrix rewinder</b>	Waste matrix removal with pressure roll				
<b>Rewinder upper shaft</b>	76mm (3") core diameter, 500mm (19.7") max reel diameter				
<b>Rewinder lower shaft</b>	76mm (3") core diameter, 600mm (23.6") max reel diameter)		N/A	76mm (3") core diameter, 600mm (23.6") max reel diameter)	
<b>Roll Lifter</b>	Standard	Standard	Optional	Standard	Standard
<b>Options</b>	<b>DCoat 330</b>	<b>MiniDCoat 330</b>	<b>Entry DCoat 330</b>	<b>DCoat 500</b>	<b>MiniDCoat 500</b>
<b>Speed upgrade</b>	50m/min to 65m/min (164 ft/min to 213 ft/min)	45m/min to 65m/min (147ft/min to 213ft/min)	N/A	32m/min to 45m/min (104ft/min to 147ft/min)	
<b>Buffer (Mandatory inline)</b>	Capacity of 48 m		Capacity of 10 m	Capacity of 28 m	
<b>Corona Treatment</b>	Recommended when using TTR or inprintable varnishes				
	1500 W Vetaphone			2000 W Vetaphone	
<b>Spot varnish</b>	Full rotary - Optional sleeve system, or optional roller set. Repeat length 254 mm (10") - 482.6 mm (19")				
<b>K&amp;B Gapmaster</b>	Optional		N/A	Optional	
<b>Laser station</b>	Speed range 10-30 m/min depending on job specs (30 ft - 90 ft/min). Located between varnish station and die cut station. 400W CO <sub>2</sub> Coherent laser, scanlab mirror system				
	Optional	N/A	N/A	Optional	N/A
<b>2<sup>nd</sup> varnishing and lamination station</b>	Optional	N/A	N/A	Optional	N/A
<b>2<sup>nd</sup> die-cutting station</b>	Optional	N/A	N/A	Optional	N/A
<b>Technical Info</b>	<b>DCoat 330</b>	<b>MiniDCoat 330</b>	<b>Entry DCoat 330</b>	<b>DCoat 500</b>	<b>MiniDCoat 500</b>
<b>Dimensions Main Unit - Offline</b>					
<b>Length</b>	4225 mm (13.86 ft)	2450 mm (8.04 ft)	2450 mm (8.04 ft)	4720 mm (15.49 ft)	2675 mm (8.78 ft)
<b>Width</b>	1395 mm (4.58 ft)	1280 mm (4.2 ft)	1280 mm (4.2 ft)	1510 mm (4.95 ft)	1500 mm (4.92 ft)
<b>Height</b>	1755 mm (5.82 ft)	1700 mm (5.58 ft)	1700 mm (5.58 ft)	1650 mm (5.41 ft)	1750 mm (5.74 ft)
<b>Dimensions - Buffer - Additional</b>					
<b>Length</b>	1540mm (5.05 ft)	1540mm (5.05 ft)	1570mm (5.15ft)	1540mm (5.05 ft)	1540mm (5.05 ft)
<b>Width</b>	1020mm (3.35 ft)	1020mm (3.35 ft)	1020mm (3.35 ft)	1500mm (4.92 ft)	1500mm (4.92 ft)
<b>Height</b>	2160mm (7.08ft)	2160mm (7.08ft)	1040mm (3.42 ft)	2160mm (7.08ft)	2160mm (7.08ft)
<b>Power requirements</b>	Universal 3 phase 3x380-415V + PE, 32A, 50-60Hz				
<b>Air Supply</b>	5-6 Bar 100l/h (72Psi - 26,4gph) Dry, water and oil free air				