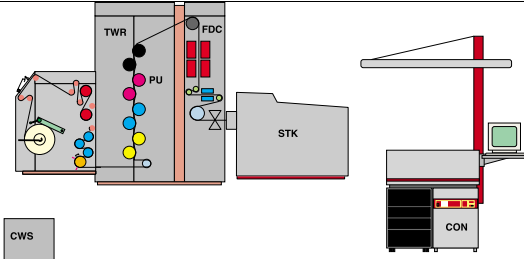


1. General	
1.1. Units	
	<ul style="list-style-type: none"> • PRS: Paper Supply Unit, Roll unwinding and splicing station • TWR: Printing tower, Contains all printing units (one for each color per side) • FDC: Fixing, Driving and Cutting Unit, Contains fusing and cutting units • STK: Paper Output, Stacker • CON: Console, Contains digital system • CWS: Cooling Water Supply
1.2. Overview	
Technology	<ul style="list-style-type: none"> • Dry Dual Component Electrophotography LED writing system • 4 color system: Y, C, M, K • One-Pass-Duplex™: separate print units for each color and each side • Web fed
Printing speed <ul style="list-style-type: none"> • Standard speed • Full speed (only for medium weights from 60 to 170 gsm) 	<ul style="list-style-type: none"> • 12.25 cm/s (24,1 ft/min) • ≅ 50 A4 duplex printed sheets per minute • ≅ 3000 A4 duplex printed sheets per hour • ≅ 6000 A4 impressions per hour • 16 cm/s (31,5 ft/min) • ≅ 65 A4 duplex printed sheets per minute • ≅ 3900 A4 duplex printed sheets per hour • ≅ 7800 A4 impressions per hour
Addressability	<ul style="list-style-type: none"> • Spatial: 600 dpi • Gradational: up to 16 gray levels per dot
2. Print Media Specifications	
Web width	<ul style="list-style-type: none"> • 500 – 508 mm (19.7 - 20")
Roll dimensions: <ul style="list-style-type: none"> • Roll width • Core inner diameter • Max roll diameter • Max roll weight 	<ul style="list-style-type: none"> • 500 – 508 mm (19.7 - 20") • Ø 75 mm (3") and Ø 150 mm (6") • 500 mm (19.7") • 85 kg (187 lbs)
Print medium weight	<ul style="list-style-type: none"> • 60-250 gsm if qualified • Above 200 gsm, lifetime of the cutter knife

	may decrease
Print media	<ul style="list-style-type: none"> It is advisable to use Qualified Print Media for printing¹ Procedure described in the brochure "Digital Print Media Test Procedure" should be followed when printing on non-qualified print media. Printing on non-qualified media, especially coated, might release toxic substances
3. Print Media Handling	
3.1. Paper Supply Unit (PRS)	
Principle	<ul style="list-style-type: none"> Off-line mounting of shaft with flange system Mounting of roll in PRS using a little hand truck which is standard delivered
Splicing	<ul style="list-style-type: none"> Manual splicing table, using knife and specified double sided tape
Core axle	<ul style="list-style-type: none"> Delivered with universal Ø75 mm (3") / Ø150 mm (6") core axle
Synchronization on preprinted marks	<ul style="list-style-type: none"> Accuracy: ± 200µm (0.008")
3.2. Print Media Output	
Print Medium Web at output	<ul style="list-style-type: none"> Print medium web leaving the engine must always be free of tension
Cutter	<ul style="list-style-type: none"> Rotary cutter, controlled by software or mark Accuracy when software controlled: ± 500µm (0.02") Accuracy when controlled by mark: ± 200µm (0.01")
Print Media Loss between two jobs	<ul style="list-style-type: none"> ≤ 20 m (60 ft) at cold start-up ≤ 14 m (33 ft) when engine halted (max 30 min)
Print Media Loss at roll change	<ul style="list-style-type: none"> ≤ 15m (50 ft)
3.3. Stacker	
Job tray <ul style="list-style-type: none"> Print media Capacity (Height of pile) Min. & max. sheet length Sheet width Max weight Test tray <ul style="list-style-type: none"> Print media Capacity (Height of pile) Min. & max. sheet length Sheet width 	<ul style="list-style-type: none"> Uncoated and coated papers, either simplex or duplex printed 450 mm (17.7") for 100-250 gsm paper 150 mm (5.9") for 80-100 gsm paper 280 – 750 mm (11"-29.5") 500 mm (USA: 508mm(20")) 150 kg (330 lbs) Uncoated and coated papers, either simplex or duplex printed; polyester, either simplex or duplex printed 30 mm (1.1") 280 – 750 mm (11"-29.5") 500 mm (USA: 508mm(20"))

¹ Most recent list of "Qualified Print Media" can be found on the Xeikon Website (www.xeikon.be)

4. Digital Front End (DFE)	
See separate Specifications document	
5. Print Quality	
Maximum Density	<ul style="list-style-type: none"> • C, M: 1.4 • Y: 1.3 • K: 1.8
Print to print stability (D=1,4)	<ul style="list-style-type: none"> • ± 0.10, measured on different copies but on the same spot of the file • Requires operator intervention as described in the operator manual
Maximum coverage per A4 page per color at Dmax for long runs (≥ 200 A3) from where print quality may degrade	<ul style="list-style-type: none"> • Along web: 70% • Across web: 100%
Gloss value	<ul style="list-style-type: none"> • Controllable gloss based upon temperature
Position of the signature on the sheet across the web	<ul style="list-style-type: none"> • $\pm 200 \mu\text{m}$ (0.008") if paper edge position variations within $\pm 2\text{mm}$ (0.08") from cross web sensor center • $\pm 200 \mu\text{m}/\text{mm}$ ($200\mu\text{m}''$) cross web variation if paper edge position variations within $\pm 5\text{mm}$ (0.2") from cross web sensor center • Without use of the cross web sensor : $\leq \pm 1 \text{mm}$ (0.04")
Position of the signature on the sheet along the web	<ul style="list-style-type: none"> • $\leq 750 \mu\text{m}$ (0.03")
Front to back registration accuracy	<ul style="list-style-type: none"> • $\leq 200 \mu\text{m}$ (0.008")
Color registration	<ul style="list-style-type: none"> • Spot centers of all colors fall within max. 140 μm (0.006") in movement and in cross direction • Requires operator intervention as described in the operator manual
6. Consumables	
6.1. Toner (Y, C, M, K)	
Specifications for toner Version 3	
Color specification	<ul style="list-style-type: none"> • Equivalent to Euroscale
Consumption (Average C, M, Y, K)	<ul style="list-style-type: none"> • $\leq 6 \text{g}/\text{m}^2$ at D_{max}, including waste
Toner Waste	<ul style="list-style-type: none"> • $\leq 15\%$ of total consumption
Packaging	<ul style="list-style-type: none"> • Content 800 g (1.76 lbs)
Ecology	<ul style="list-style-type: none"> • Non-toxic (MSDS available)
6.2. Developer (Y, C, M, K)	
Specifications for developer Version 3	
Lifetime ²	<ul style="list-style-type: none"> • Minimum 112,500 A3 impressions per refill • Lifetime depending on coverage • Typical 200,000 A3 impressions per refill at 10% coverage per color
Packaging	<ul style="list-style-type: none"> • Content 2300 g per refill (5.07 lbs)

Ecology	<ul style="list-style-type: none"> • Non-toxic (MSDS available)
7. Usage parts²	
7.1. Organic Photo Conductor Drum	
Lifetime	<ul style="list-style-type: none"> • ≥ 180,000 – 270,000 A3 impressions • Lifetime depending on characteristics of actual use such as maintenance, paper type, coverage, ...
Ecology	<ul style="list-style-type: none"> • Non-toxic (MSDS available)
7.2. Cleaning Unit	
Scraper	<ul style="list-style-type: none"> • ≥ 150,000 A3 impressions
High voltage roller	<ul style="list-style-type: none"> • ≥ 450,000 A3 impressions
Cleaning brush	<ul style="list-style-type: none"> • ≥ 450,000 A3 impressions
7.3. Corona's	
Wires	<ul style="list-style-type: none"> • ≥ 150,000 A3 impressions
Grids	<ul style="list-style-type: none"> • ≥ 150,000 A3 impressions
7.4. Filters	
Dust filter	<ul style="list-style-type: none"> • ≥ 450,000 A3 impressions
Oz one filter	<ul style="list-style-type: none"> • ≥ 450,000 A3 impressions
7.5. Cutter	
Lifetime	<ul style="list-style-type: none"> • ≥ 150,000 cuts when using 100 gsm paper
7.6. GEM	
Nip Roller Pair	<ul style="list-style-type: none"> • ≥ 210,000 A3 impressions
8. Maintenance³	
Machine Load	<ul style="list-style-type: none"> • Continuous operation
Operator Maintenance	<ul style="list-style-type: none"> • Half hour per 7,000 A3 sheets
Preventive maintenance frequency	<ul style="list-style-type: none"> • Typical 75,000 A3 sheets depending on the developer refill
9. Service tools delivered	
Paper Mount Axle	<ul style="list-style-type: none"> • 1 paper axle: universal Ø 75 mm (3") / Ø150 mm (6"); pneumatic / manual functionality
Corona sets : <ul style="list-style-type: none"> • MCS + PCS • TED 	<ul style="list-style-type: none"> • 2 sets (1 set = 17 scorotrons) • 2 sets (1 set = 7 TED's + 1 TED- upper station)
Paper Medium Handling Trolley	<ul style="list-style-type: none"> • 1 piece
Developer Change Tool	<ul style="list-style-type: none"> • 1 piece
Drum Refurbish Tool	<ul style="list-style-type: none"> • 1 piece

² Lifetime of consumables, usage parts and usage parts with limited lifetime is indicative and specified for use with Qualified Print Media only and for standard applications. All indicated lifetimes assume the proper operator maintenance as prescribed in the operator manual and the operator maintenance chart.

³ Most up to date maintenance requirements can be found in the latest version of the "Operator Manual"

10. Site Requirements⁴	
10.1. Machine Environment	
Minimum required space print engine (excluding CWS) for normal operation and maintenance	<ul style="list-style-type: none"> H x L x W: 2.5 m x 8 m x 6.1 m (8.2 ft x 26.2 ft x 20 ft)
Minimum required space for CWS	<ul style="list-style-type: none"> H x L x W: 0.5 m x 0.46 m x 0.6 m (1.64 ft x 1.51 ft x 1.97 ft)
Temperature (T) during operation	<ul style="list-style-type: none"> 20°C ≤ T ≤ 25°C (68F ≤ T ≤ 77F)
Temperature (T) during non-operation	<ul style="list-style-type: none"> 15°C ≤ T ≤ 30°C (59F ≤ T ≤ 86F)
Relative Humidity (RH) during operation	<ul style="list-style-type: none"> At 20°C (68F) : 27% ≤ RH ≤ 62% At 25°C (77F) : 28% ≤ RH ≤ 53%
Relative Humidity (RH) during non-operation	<ul style="list-style-type: none"> At 15°C (59F) : 15% ≤ RH ≤ 80% At 30°C (86F) : 25% ≤ RH ≤ 55%
Air refreshment flow rate	<ul style="list-style-type: none"> Minimum 2000 m³/hour (temperature < 26C)
Sound Power Level	<ul style="list-style-type: none"> L_{W(A)} < 78 dB (during printing)
Sound Pressure Level	<ul style="list-style-type: none"> L_{P,eq(A)} < 66 dB (at operator position during printing)
Oz one	<ul style="list-style-type: none"> ≤ 0.05 ppm provided air refreshment rate as specified
10.2 Power Supply	
Printing engine (incl. CON, PRS, PRO, GEM)	<ul style="list-style-type: none"> 10 kW printing on 100 gsm paper 22.8 kW at peak load
Cooling Unit (CWS)	<ul style="list-style-type: none"> 1.5 kW printing on 100 gsm paper 2.3 kW at peak load
10.3. Power Supply 50Hz	
Printing engine (incl. CON, PRS, PRO, GEM)	<ul style="list-style-type: none"> 3 N PE AC 380^{-10%} - 415^{+ 6%} and 220^{-10%} - 240^{+ 6%} Max. current rating (Fuse) : 35A (40A)
Cooling Unit (CWS)	<ul style="list-style-type: none"> 220^{-10%} - 230^{+ 10%} Max. current rating (Fuse) : 8A (10A)
10.4. Power Supply 60 Hz	
Printing engine (incl. CON, PRS, PRO, GEM)	<ul style="list-style-type: none"> 3 phase with ground (no neutral) 208^{-10%} - 240^{+ 6%} Max. current rating (Fuse) : 45A (50A)
Cooling Unit (CWS)	<ul style="list-style-type: none"> 230^{± 10%} Max. current rating (Fuse) : 8A (10A)
11. Safety Approvals⁵	
11.1. Europe	
CE	<ul style="list-style-type: none"> Machine Directive Low Voltage Directive EMC Directive
GS	
11.2. International	
CB	
11.3. USA	

⁴ Detailed site requirements can be found in the 'Site Requirements' document

⁵ Detailed list of all safety approvals available on request

UL	
CUL	