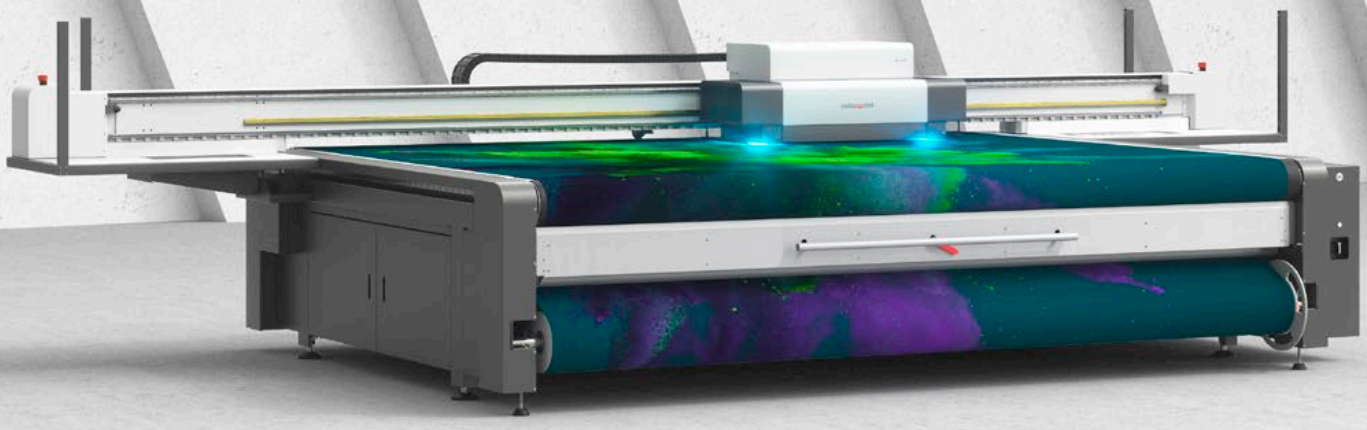
Product Portfolio

High-End UV-LED flatbed printers



swissqprint

Flatbed generation 4

Our company founders have been active in digital printing for 25 years. Indeed, they have been a shaping force. Their high aspirations have also shaped the company. And the market agrees: swissQprint is synonymous for precise, practice-oriented and reliable technology. Our Nyala model has been the leader in European UV inkjet printing for six years. Which gives us incentive to raise the bar a little higher with each machine generation – with an eye to keeping you ahead of your competition.

Step ahead
Impala 4 and Nyala 4 redefine premium quality with their resolution of up to 1350 dpi. Then there are new production modes that deliver increased output at top quality. This is thanks to the latest print head technology in combination with high-precision droplet placement perfected by swissQprint. Oryx 4 now comes equipped with high-performance print heads, making this machine almost 40% more productive than its predecessor. It is the entry-level model in a class of its own.

Unique vacuum system
All Generation 4 printers feature the unique Tip Switch Vacuum. 256 individually adjustable vacuum segments mean you can achieve the perfect vacuum for any substrate size. You can open or close segments quickly and easily. Even between media. And whatever its dimensions. Air leakage and masking are things of the past. The future is fine-tuned vacuum control and efficient working in a quiet environment. Because the vacuum pumps are pleasantly quiet. Power-saving, too.

Individual configuration
With a swissQprint flatbed printer you get the solution you need. And you can readily adapt the original configuration to new requirements. After all, our systems have always been modular. Generation 4 offers you a wide range of options. Talk to us about configuring the printer that is just right for you.

Impala 4
The perfectly proportioned power package

Choose the Impala 4 flatbed printer and you will get the highest print quality, versatility and performance. This machine achieves great things with the smallest possible footprint – both physical and environmental.

2.5 m

Flatbed
2.5 × 2 m

180 m²/h

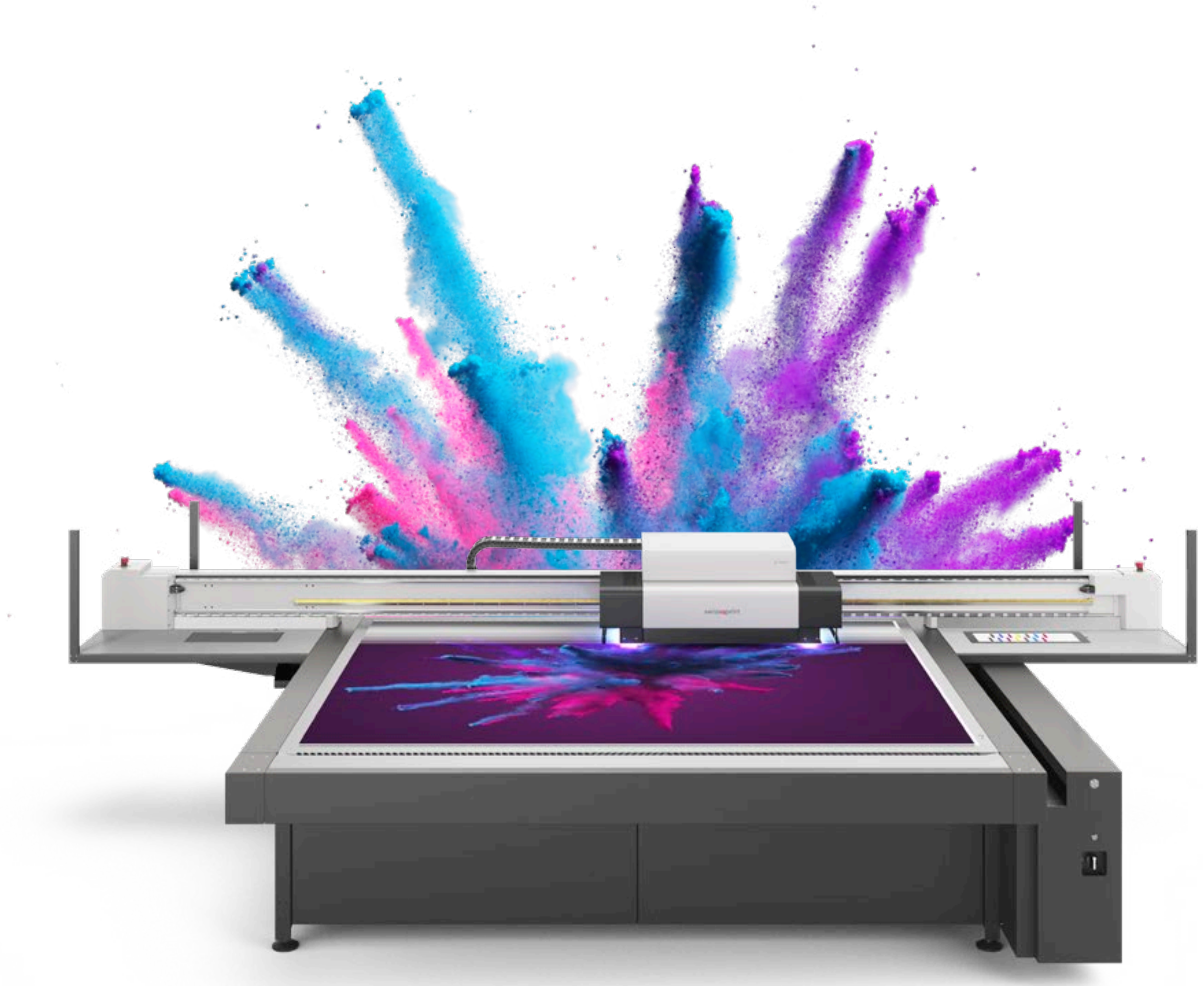
Productivity
Ready at all times

1350 dpi

Resolution
Maximum quality

5

Colours in addition to CMYK
Custom-configurable



Technical specifications

Dimensions	Oryx	Impala	Nyala
Flatbed, full bleed [1]	2500 × 2030 mm		3200 × 2030 mm
Clearance	maximum 50 mm		
Substrate weight	maximum 100 kg/m²		
Roll width	maximum 2500 mm		maximum 3200 mm
Roll weight	maximum 180 kg / dual roll 100 kg each		
Roll diameter	maximum 360 mm		

Equipment/Options			
Curing	UV LED		
Roll to roll option	2500 mm × endless		3200 mm × endless
Dual roll option	2 × 1200 mm × endless		2 × 1524 mm × endless
Board option with extension tables	2500 × 4000 mm / max. 100 kg		3200 × 4000 mm / max. 100 kg
Tandem function	standard		
Print area, Tandem each zone [1]	2500 × 1015 mm		3200 × 1015 mm
Tip Switch Vacuum	standard		

Colours		
Colour channels	maximum 9	
Print heads	maximum 9	maximum 18
Print heads per channel	1	1 or 2 / S models: 2
Light cyan, light magenta, light black [2]	✓	
White	✓	
Varnish [2]	✓	
Primer [2]	✓	
Orange [2]	✓	
Neon [2]	✓	

Inks	
Integrated ink supply	CMYK, orange in 5 litre containers/white, varnish 5 or 1 litre containers/neon, primer 1 litre container
UV-curable inks	✓
Solvent-free (no VOCs)	✓
Greenguard Gold certification [3]	✓
White feed and maintenance system	fully automated
Indoor and outdoor applications [4]	✓

[1] In most print modes
[2] Not for S models
[3] Standard inks
[4] Neon: only for indoor applications

Resolution	Oryx	Impala	Nyala
Addressable resolution	up to 1080 dpi	up to 1350 dpi[2]	
Visual resolution	up to 2160 dpi	up to 2540 dpi[2]	

Dimensions and weight

Dimensions (L × W × H)	2.51 × 5.04 × 1.42 m	2.51 × 5.72 × 1.42 m
Weight	1300 – 1600 kg	1400 – 1800 kg
Safety standards	meets industry standards	

Installation environment

Power supply	3 × 400 V, 3L+N+PE (50/60 Hz) 3 × 480 V, 3L+N+PE (60 Hz) 3 × 208 V, 3L+PE (50/60 Hz) excellent energy efficiency according to ISO 20690:2018
Temperature range	+20 °C to +30 °C
Relative humidity	40 % to 80 % non-condensing