Color everything

aeoon KYO SERIES

Up to 800 T-Shirts/hour

12 Kyocera KJ4B print heads

Big variety of textiles

Superior speed and image quality
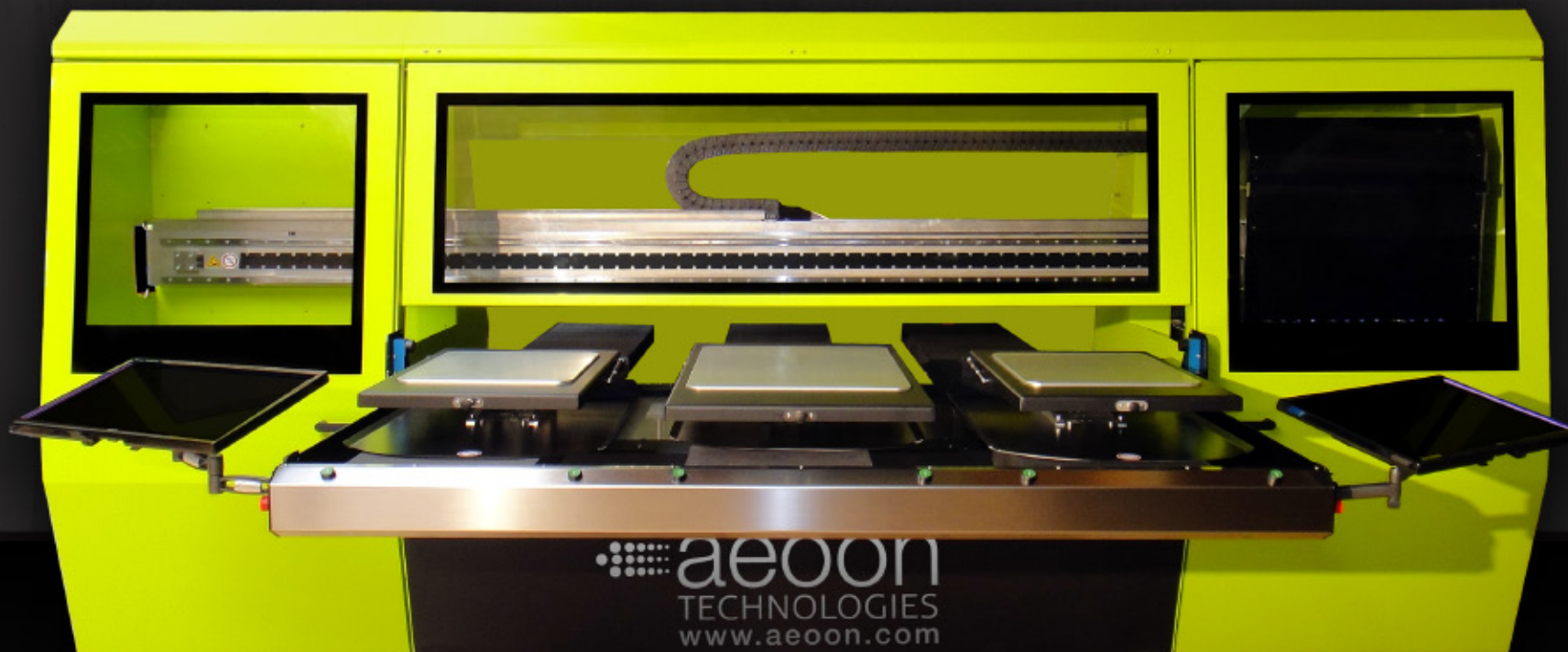
Up to 2400 dpi

Quick change pallets

Quality made in Austria

Aeoon Technologies proudly presents the aeoon KYO12, providing digital production on an industrial scale. High resolution printing opens new design possibilities. The machine achieves print speeds of up to 800 T-Shirts per hour in A4 print format in perfect quality.

Digital inkjet printing was once consigned for low volume or novelty production, but thanks to our new technology, it now can become the mainstream production method for garment decoration.

The new machine design supports CMYK and white pigment ink for a wide variety of garments and mixed fibers and CMYK sublimation ink for direct printing on polyester fabrics and transfer papers.

Up to now the KYO series is the fastest digital DTG textile printer in its market segment. It is designed to meet the demand for a high volume industrial production and highest print quality. This is achieved by using up to 12 inkjet print heads with 2558 nozzles with native 600 dpi resolution and fire speed of up to 40.000 ink drops per second in four different drop sizes.

Technical Details

Printing Method	Direct Inkjet to Textile Garment Printing
Ink Type	Pigmented, waterbased inks, optimized for Aeoon Kyo Series Sublimation, waterbased inks
Print Heads	Kyocera KJ4B print heads: • Piezoelectric drop on demand inkjet heads • 4-12 colors with 2-12 print heads • 2558 nozzles per print head • 600 dpi native resolution • 4 drop sizes • Fire frequency up to 40 Khz
Pallet Sizes	Up to 55 x 100 cm with up to 3 tables Up to 100 x 100 cm with 2 tables Up to 200 x 100 cm with a single table optionally up to 250 x 400 cm print format optionally tables with vacuum option
Colors	CMYK pigment for cotton and mixed fiber garments CMKY sublimation for polyester garments and transfer paper Up to 8 white heads for superior speed on dark garments Additional spot colors are available
Print Resolutions	600x600 dpi, 1200x600 dpi, 600x1200 dpi, 1200x1200 dpi, 2400x1200 dpi, 2400x2400 dpi
Printable Materials	Cotton, Polyester, Lycra, Viscose and more Special materials optional Tests recommended specific to the application/material (available upon request)
Operating System	Linux, RIP Software Windows 7
Image Format	Most common image formats are supported
Throughput (Shirts/Hour)	Light Garments: 800 T-Shirts/Hour* Dark Garments: 400 T-Shirts/Hour* *Based on A4 print size/depends on resolution, quality mode, image size, number of print heads
Interface	Network, USB Stick, CD
Power Requirements	Electrical Supply: 400/208 VAC, 50/60 Hz, 3 Ph, 16A
Recommended Add-On	Aeoon Designer RIP Software with automatic white underbase generation
Environmental Conditions	Temperature: 20°- 28°C/Humidity: 50% - 70% non-condensing
Dimensions/Weight	4,1m x 1,5m x 2,0m 2000 kg

That's why

aeoon KYO SERIES

Scalable machine platform

Customer can start with a cost effective entry level setup of the machine perfectly matching the current production volume demand and can later upgrade the machine up to 12 print heads. The machine can be equipped with a broad variety of special features optimized for the specific needs of the customer.

Industrial production on the highest level

The machine was designed for high volume industrial mass production. We use only highest quality components. The design of the machine was optimized for highest reliability and endurance. The machine combines the speed and production costs close to the traditional screen printing with the numerous advantages of digital printing.

Order Management

The machine can be integrated in a fully automated production environment. We offer a complete package of automated rip image processing and fully automated order management. We can offer integration into existing enterprise resource planning systems of the customer.

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