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www.aeoontechnologies.com

Welcome to the world of industrial digital textile printing!

Aeoon Technologies was founded in 2011 and is based in Tirol, Austria. Here, we design and manufacture our digital textile printers. With an extended knowledge and experience in textile printing, we strongly believe that we can offer the best machine possible to the market and cover it's changing requirements.

Our focus lies on the highest quality to guarantee a long-lasting investment for your company. The development processes meet the highest standards and we constantly update our technical infrastructure to make this possible.

We understand that every company has different needs. That's why we always make it possible to deliver customer specific solutions based upon the newest technologies for our digital dtg printers.

The next step in the direct to garment printing revolution.

The Aeoon Kyo series provides digital textile production on an industrial scale. With our direct to garment printer it is possible to stay ahead of the technological curve in the garment decoration market. Digital dtg printing was once used for low volume or novelty production, but thanks to our new technology and the impressive speed of up to 800 T-Shirts per hour (A4 size), it can now become the industrial production method for garment decoration. High resolution printing beginning with a native 600 dpi resolution enables new design possibilities.

The Aeoon Kyo digital printer series uses the direct to garment printing technology, also known as DTG printing. The ink is printed directly and digitally onto the fabric.

High quality body -
built for heavy duty industrial use

High precision linear axis

Touchscreen & intuitive Software-Design

Up to 12 Printheads

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Kyo-Series

Customize
with Add-Ons

Exchangeable Palletts

Full automatic Cleaning
and Capping Station

Make the right decision!

Why should you choose an Aeoon Kyo DTG printer?

Massive output: Up to now, the Kyo series is the fastest dtg printer in it's market segment with an output of up to 800 T-Shirts per hour (A4 printing size). This is obtained by using up to twelve print heads with 2558 nozzles with a native 600 dpi resolution and a fire speed of up to 40.000 ink drops per second in four different drop sizes.

Flexible: We build the printer that fits your business. The Aeoon Kyo series not only enables you to flexibly react to the demands of your customers, it also has the unique ability to grow with your business. We designed our printer modularly, which means you can upgrade and add features such as additional print heads or custom pallets on the long run.

⦂⦂ The printing process

The Aeoon Kyo series is able to print on dark, colored and light textiles. Our Aeoon RIP software prepares all files for printing, generates a white underbase (if applicable) and automatically synchronizes the printable files with the machine.
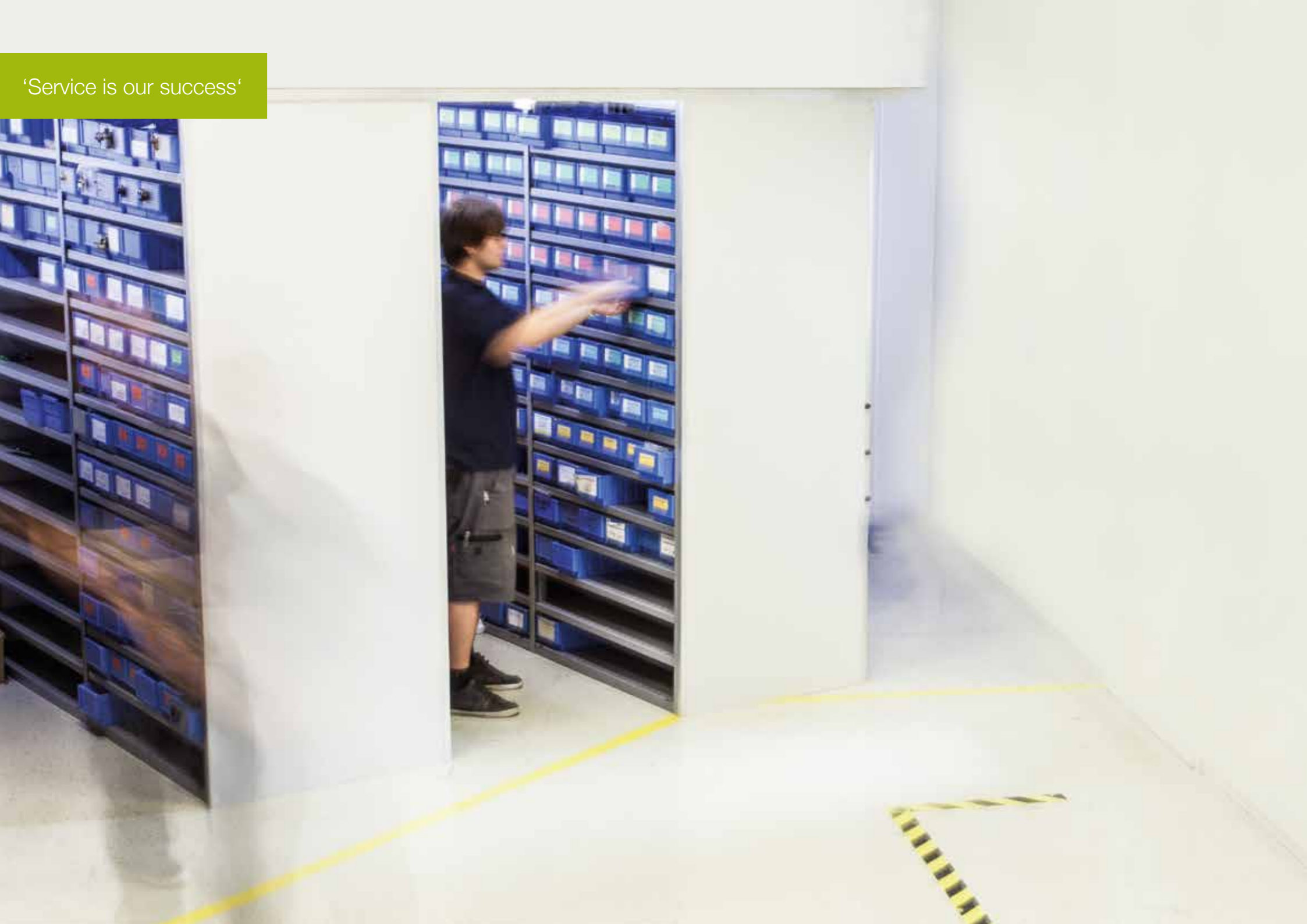
On the machine itself, we have implemented our touchscreen software. You can directly choose the designs and adjust all settings on the machine.

To print on light garments, you simply load the textile on the pallet. Afterwards you select the design you want to print on the touchscreen on the machine and hit the print button. Dark garments have to be pretreated before printing. During the printing process, the white underbase is applied and the colors are printed on top of it. Afterwards, the textiles need to be cured in a dryer.

Support is a matter of honor

Here at Aeoon Technologies we see our customers and ourselves as partners. We always strive for a win-win situation for both sides and take great pride in our support.

Not only do we provide help and support before the sale, we are also staying close by your side afterwards. The moment when the machine is installed at your site and we get the chance to help you getting the best out of our machine is the most exciting stage - for you and for us!

Our knowledgeable Aeoon support team gives you peace of mind in the years to come. This is the benefit of being a part of the Aeoon family. We also have a worldwide network of partners. Please refer to our website for more information.
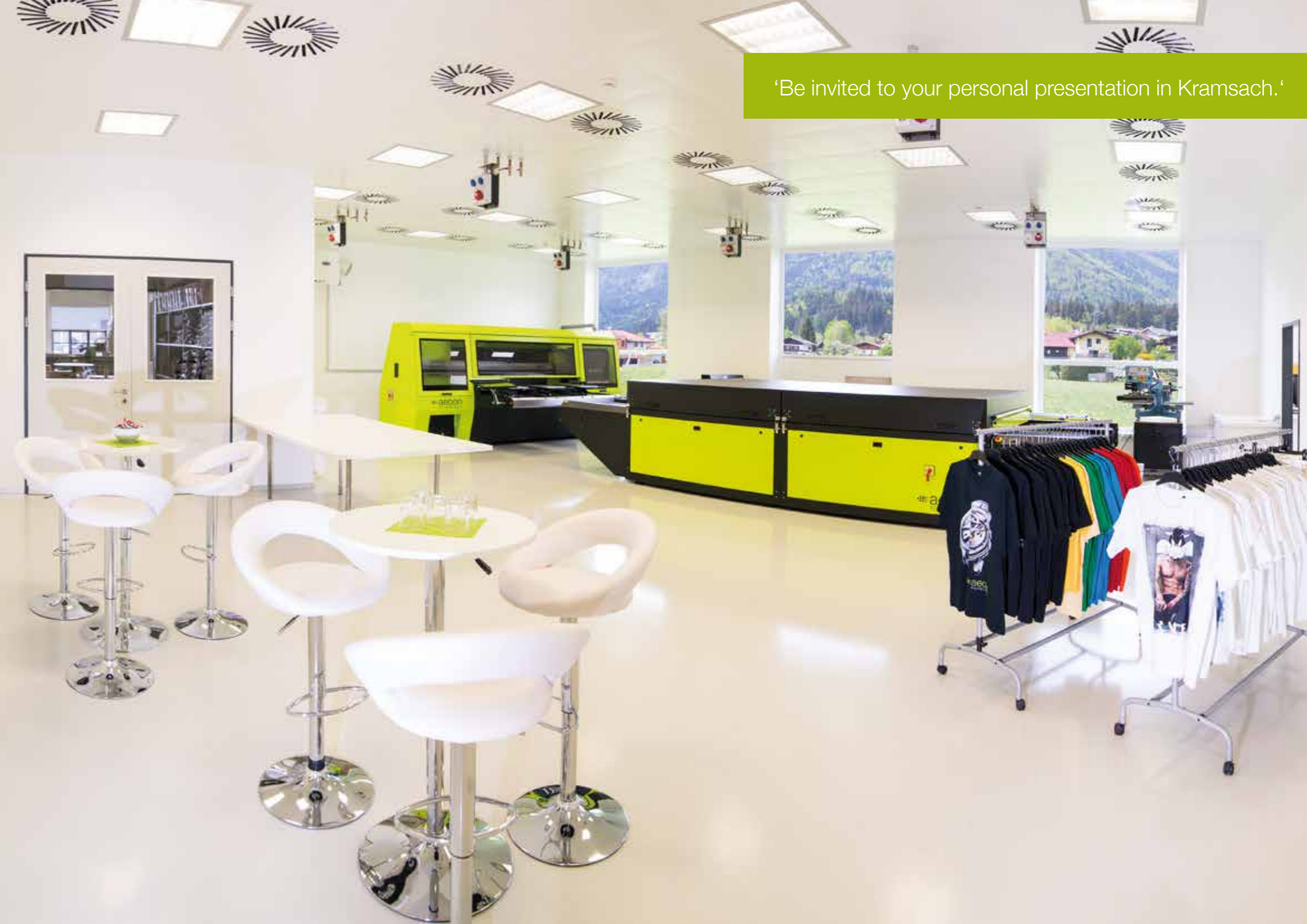
Experience our printing quality

Some things are easily said, but more difficult to do. That's why we like to convince our customers by showing them the real deal.

You are more than welcome to visit us in our headquarters in Kramsach, Austria and experience our Kyo printer for yourself. As a special highlight we are going to reserve our showroom for you. Together with our helpful employees you can thoroughly test our Aeoon dtg printer and ask every question you can possible think of. Of course you can bring your own designs and textiles with you. Please contact us to set a date.

We also exhibit at trade shows on a regular basis. Please refer to our website to find out more about our next trade show appearances.

Speed and vibrant colors - No longer a contradiction!

We produce our own ink, which is specifically designed for the demands of our Kyo DTG printers. Our colors ensure that there is no more contradiction between speed and vibrant colors. Therefore, the color is optimized for an industrial scale textile production and fulfills the highest quality demands on fastness, color brightness and washability.

Our colors are available in CMYK and white-pigmented ink. We also offer a pretreatment solution, which ensures the best printing quality on dark textiles. Aeoon inks are water based and meet the highest printing standards. In addition, we are very happy that our inks meet environmental standards and received the Oeko-tex and GOTS (Global Standards) certifications.

⊞ We would love to hear from you!

Do you have a question? Are you looking for support for one of our products? We are more than happy to help! Here is how you can get in touch with us:

General questions
For general or sales inquiries, please send us an email to:
office@aeoontechnologies.com

Technical support
If you already own a Kyo printer and you would like to solve a problem, please contact our support team via email at support@aeoontechnologies.com, Kakao, Whats app, Viper or Skype.

Stay in touch
Do you want to get the newest Aeoon news delivered directly to your mailbox? Please sign up for our newsletter on our website:
www.aeoontechnologies.com

Printing Method and Ink type

· Direct inkjet to textile garment printing
· Pigmented, water-based inks
· Optimized for Aeoon Kyo Series
· Sublimation, water-based inks

Colors

· CMYK pigment for cotton; Canvas, Jeans
  and mixed fiber garments
· CMYK sublimation for bright polyester
  garments and transfer paper
· Additional spot colors are available
· Up to 8 white heads for superior speed
  on dark garments

Pallet Sizes - 3 tables:

· 25 x 35 cm with up to 3 tables
· 30 x 40 cm with up to 3 tables
· 40 x 50 cm with up to 3 tables
· 50 x 70 cm with up to 3 tables
· 55 x 92 cm with up to 3 tables
· Optionally Pallets for arm, bags, trousers
  and customized Pallets avaiable

Pallet Sizes - 2 tables:

· Up to 92 x 98 cm with 2 tables
· Up to 92 x 200 cm with 1 table
· Optionally up to 250 x 400 cm print format
· Optionally Pallets for arm, bags, trousers
  and customized Pallets avaiable

Operating System

· Linux
· RIP Software Windows 7
· RIP Software Windows 8

Throughput (T-shirts per 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

Recommended Add-On and Image Format

· Aeoon Designer RIP Software with automatic
  white underbase generation
· Most common image formats are supported

Interface and Power Requirements

· Network
· USB Stick
· CD
· Electrical Supply:
  400/208 VAC, 50/60 Hz, 3 Ph, 16A

Environmental Conditions

· Temperature: 20° – 28°C
· Humidity: 50% – 70% non-condensing

Dimension/Weight/Transport

· 4,1m x 2,9m x 2,0m, 2.000 kg
  Transport:
· 4,2m x 2m x 2,2m, 2.300 kg

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

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