

Maikuro

a class of its own



Industrial digital textile printing solutions



We are aeoon
All employees, partners and customers are part of the aeoon family.



Everything from one single source
We are your professional contact for solutions in the digital textile printing sector.



Made in Austria
All of our printers are manufactured with care, dedication and precision in Austria.

Industrial DTG performance at an affordable price rate



aeoon Software

Our intuitively usable software does not only provide a separate printing queue for each printing station, but also a main queue in which printing jobs can be placed – this has proven itself to be extremely efficient for mass production.

On-demand printing production

Like all our machines, the Maikuro can of course also be easily integrated into an automated workflow. No matter how your business grows, aeoon printing systems grow with it!



Integrated OPC-UA and REST interface

Just like aeoon's other machines, the Maikuro comes with highly modern API interfaces which are ideal to maintain an automated printing production line with.

Maikuro - a class of its own

Built for the way you work now and in the future

You want to enter the ever growing DTG printing market? You want to guarantee your customers the best print quality and also print at a steadily fast pace right from the start? Then we have developed just the right machine for you: Supplemented with Ricoh print heads, the new Maikuro enables you to become part of one of the most fruitful markets in the world.

Despite the small size of the machine, our customers achieve outstanding production volumes with top quality printing results. Thanks to the newly developed software and integrated API interfaces, you can easily incorporate the Maikuro into existing and new print processes or into online shop systems.

Advantages of the technology



Outstanding print quality

Not only are aeoon machines some of the fastest on the market – another very important aspect of our DTG printing systems is the outstanding print quality which is yet to find a match on the global market.



POD Fulfillment

Ready to automate: The Maikuro is easy to integrate into an automated production workflow. No matter how your business grows, aeoon printing systems grow with you.



Support & Training

Being a part of the aeoon Family means receiving intense training courses and being able to communicate with our dedicated support team for any questions that may arise, so you are always able to get the absolute best out of our innovative DTG systems.



Sustainability

Our waterbased inks are environmentally friendly and GOTS approved and OEKO-TEX® certified as we are constantly working on making our products more sustainable.



Durability instead of Plastic

Due to solid construction, a long and reliable DTG production is guaranteed. aeoon places high value on the quality and durability of our machines.



Maikuro RIP Basic Version

For color accurate production

The performance-optimized RIP and Color Management software for all applications in digital textile printing. It is extensible and scalable at any time. This includes the support of printing devices for sublimation processes as well as industrial textile processes for natural, synthetic and mixed fabrics using reactive or pigment inks for direct printing.

The RIP and Color Management software is able to surveil and control the entire working process from design to creation, via profiling right up to the final print.



Highlights

- Color Consistency from the creative stage through to production printing
- Processes PDF files from the common design software programs as well as several types of pixel files
- „Brightness“ white creation for bright and dynamic colors on dark garments
- Color management for printer fleets and even across production sites
- Matching results on different textiles and products
- Automatable and adaptable to existing production workflows
- Optional: Pantone libraries for efficient spot color handling

Water-based Pigment Ink

With excellent print results

aeon Technologies is dedicated to protecting and conserving our natural environment and therefore uses 100% water-based ink. Our Innovation Center has been continuously testing print parameters and improving the print quality on a huge variety of garments.

Water based ink, which is made by suspending a biodegradable pigment into a water base, is gaining popularity within the DTG printing industry due to its combination of quality, affordability, and eco-friendliness.



Our water-based inks are GOTS approved and OEKO-TEX® certified and meet the highest standards.



360° DTG Textile Printing Solution

A system that grows with your requirements

We have put together several examples for possible DTG production set ups. They are only to be considered as suggestions of how our machines could be integrated into a production workflow, they are not actual packages.

Start your DTG production – Maikuro Single Set Up

OUTPUT
Din A4/8 x 12 in

dark fabrics
up to **65** pcs/h

white fabrics
up to **130** pcs/h

Example 1

- 1 Maikuro
- 1 Basic Pretreater
- 1 Dryer 3m
- 1 aeon Heat Press

Expand your DTG production – Maikuro Triple Set Up

OUTPUT
Din A4/8 x 12 in

dark fabrics
up to **195** pcs/h

white fabrics
up to **585** pcs/h

Example 2

- 3 Maikuro
- 1 PTB Unit
- 1 PTB Dryer 4m
- 2 aeon Heat Press
- 1 Dryer 6m with 2100mm inlet, twin belt



Technical Details

| | |
|--------------------------|--|
| Print Heads | 8 RICOH Gen5 |
| Print Tables | 2 |
| Print Resolution | 600 dpi resolution |
| Max. Print Size | 40 x 45 cm; ~16 x 18 in |
| Operating System | Linux OS |
| RIP Software | Maikuro RIP Basic Version |
| Interface | OPC-UA and REST |
| Ink Channel | C M Y K + W W W W |
| Ink Types | Water based pigment ink |
| Ink Supply | 10l Container |
| Dimension (l x w x h) | 215 x 166 x 165 cm / ~84 x 65 x 65 in |
| Weight | 1000 kg / 2205 lb |
| Environmental Conditions | Temperature 22 - 24°C; Humidity 50 - 80% non-condensing |
| Electrical Supply | 1 x 230V + N + PE (1 x 110V + N + PE) – max. power input: 3kVA |
| Printable Materials | Cotton, mixed fibers, ... |

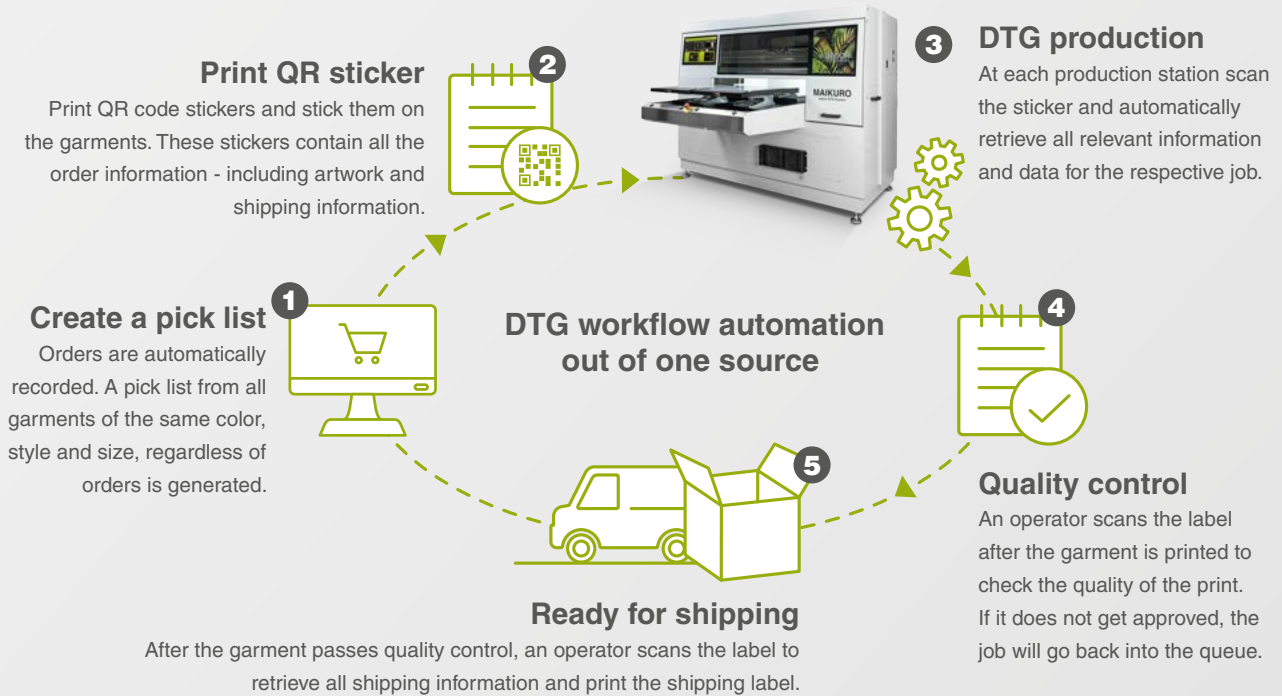
Maikuro Pallets

All pallets can be exchanged fast and easily.

| Item Number | Name | Size in cm | Size in inches |
|-------------|----------------------|------------|----------------|
| 7-40001-000 | Maikuro STD 40.45 | 40 x 45 cm | 15,8 x 17,7 in |
| 7-40002-000 | Maikuro STD 30.40 | 30 x 40 cm | 11,8 x 15,8 in |
| 7-40003-000 | Maikuro STD 20.30 | 20 x 30 cm | 7,9 x 11,8 in |
| 7-40006-000 | Maikuro STD 20.25 | 20 x 25 cm | 7,9 x 9,8 in |
| 7-40004-000 | Maikuro STD 25.25 | 25 x 25 cm | 9,8 x 9,8 in |
| 7-40005-000 | Maikuro Hoodie 40.25 | 40 x 25 cm | 15,8 x 9,8 in |

Automation production efficiency

Keep the overview – increase performance – reduce costs



aeoon DTG printers support full automation
Workflow with fully automated RIP process
Scalability - the system makes growth possible
Handle multiple production processes

www.aeoon.com



Where to find us:

aeoon technologies gmbh

Amerling 133
6233 Kramsach – Austria

Phone: +43 5337 63207
E-Mail: office@aeoon.com

aeoon America

3585 N 124th Street
Brookfield WI 53005 – USA

Phone: +1 (262) 527-4030
E-Mail: salesus@aeoon.com

Please send orders and price inquiries to: sales@aeoon.com