

Maikuro

a class of its own



Printing with
HEART & SOUL
has never been
so easy

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

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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.

Recirculation Print Heads

This system enables continuous ink flow resulting in reducing the risk of jetting failure caused by either clogged nozzles or entrapped air bubbles.



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.



Ink Circulation System

Our innovative ink recirculating structure is extremely energy efficient as there is no compressed air needed to run the system. Additionally, you benefit from less purge losses and the ink is constantly in motion which prevents any pigments from settling.



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.



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.



Sustainability

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

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 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 MH5421F
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	CMYK + 4 White
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, ...

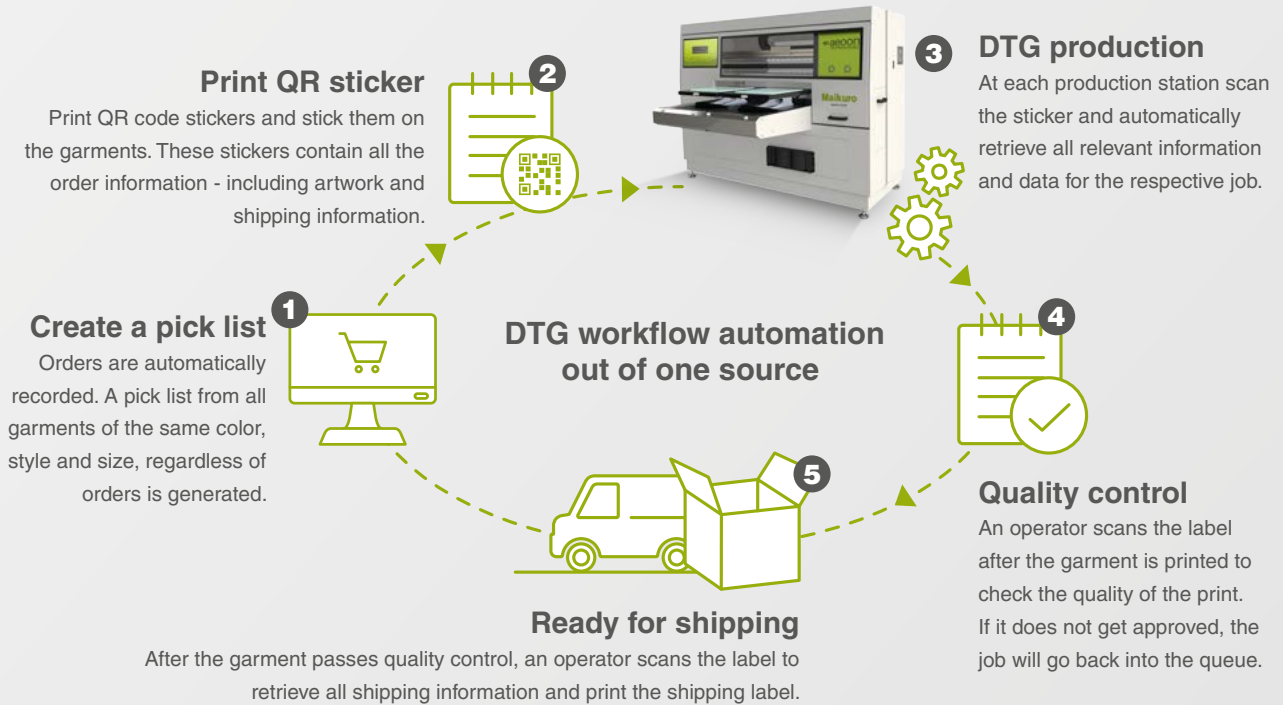
Maikuro Pallets

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
7-40004-000	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

 **aeoon**
TECHNOLOGIES

from

 **xpres**[®]