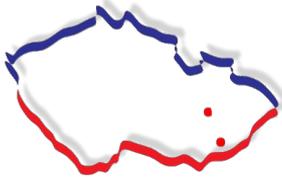




overview of digital inkjet solutions

Main activities

- **development and production of digital printing machines** (partially implemented by Konica Minolta)
- supplies of consumables for digital printing machines (inks, spare parts)
- service of digital machines
- machine shop and machining
- **robotisation and manipulation**
- assembly of assemblies for the company FESTO, Greiner and others
- digital printing services - printing of rotary object



Our representation in Europe

Our strengths

- Aroja Xorfex has **excellent experiences** in the field of digital inkjet machines and we want to make a wide range of professionals aware about them
- Aroja Xorfex has **stable team of engineers and developers**, but for a limited volume of new projects.
- Aroja Xorfex has secured a supplier chain but only with limited impact on their intern development (inks and primers).
- Aroja Xorfex builds a strong **marketing team** and presence on trade shows.



High speed technology of generating and printing of unique Data Matrix (QR) codes for beverage industry

Usage:

Every production of beverage cans, cups or bottles

Reference:

Government of Russia (Честный Знак), Kazakhstan, first talks with Jordan and Saudi Arabia

Uniqueness: High speed generating codes from 8 databases online and very fast transfer to printing unit. Printing, curing and verification of each code.
Speed of printing up to 300 m/min, 500 000 unique codes in hour



Speed of line 75 m/min, 90 000 unique Data Matrix codes in hour



Adapted Diana 55 - Printing speed 300 m/min, 550 000 unique Data Matrix codes in hour

Digital print on sandwich panels

Usage:

Production of garage doors, industrial halls, thermic boxes, cooling rooms etc.

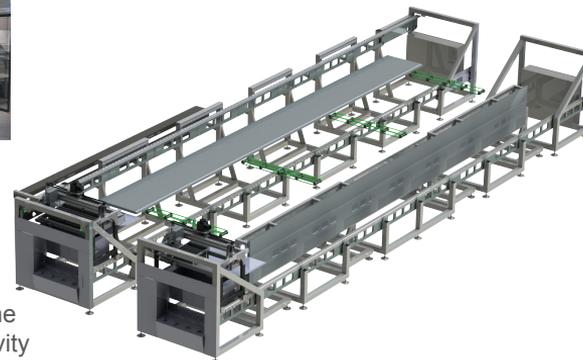
Reference:

Kruzik s.r.o. www.kruzik.cz

Uniqueness: High optical resolution, personification of objects, Stock reduction and improvement of warranty on final product



Digital printing machine



New printing machine with higher productivity

High flexible printing machine for multiplication print

Usage:
High flexible printing on flat objects

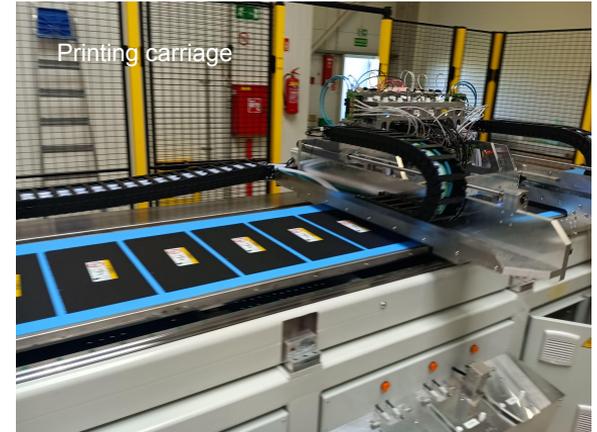
Reference:
Or-Sat - production of Sun Visors

Uniqueness: Up to 8 color channels, high optical resolution, each print could be different, use of different printing heads



Loading

Check point of position
the objects by optical
camera



Printing carriage

Single pass digital print machines of airbag labels

Usage:

Automotive - production of sun visors

Reference:

VW Group, BMW, Mercedes Benz, Stellantis, Fiat Group

Uniqueness: Special machine for fast production of Airbag labels with productivity up to 19 000 000 pcs per year



Digital printing machine



Printing unit and UV curing system - integration in production lines

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Usage:

Inline production of inflatable boats and air mattresses

Reference:

company Gumotex - <https://www.gumotex.cz/en/>

Description: Width on boat line is 1640 mm, on mattresses lines 1100 mm. On non-vulcanised rubber fabric is applied separator by inkjet technology and cured by UV LED unit specially designed for low temperature. After application of separator is from above placed another non-vulcanised fabric and where is separator, there remain a inflatable space for air after vulcanisation.



Special UV LED curing system - low temperature - developed by Aroja Xorfex

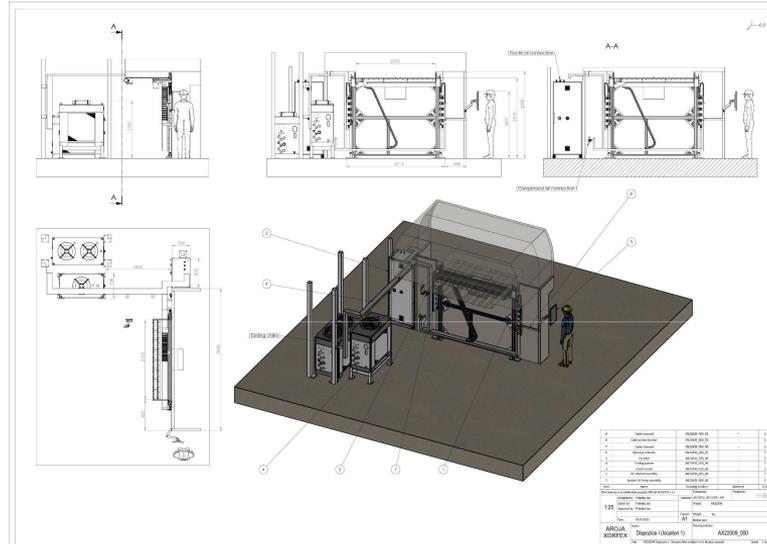


UV curing unit for Bobst Flexo 2000 mm

Usage:
Spot varnishing on cardboard packages

Reference:
Dunapack Poland

Uniqueness: Working speed 160 m/min, focused UV light, fully electronically controlled system



Rotary digital printing machines

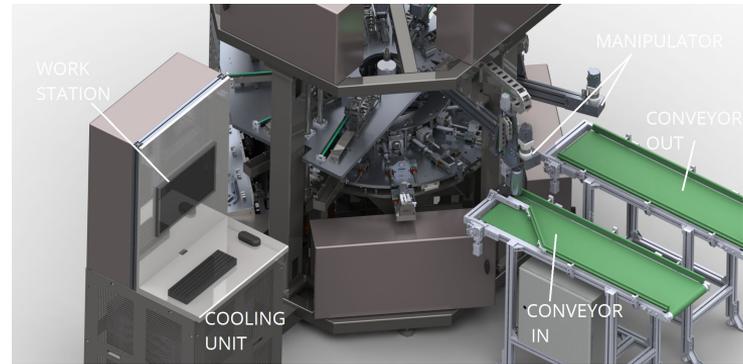
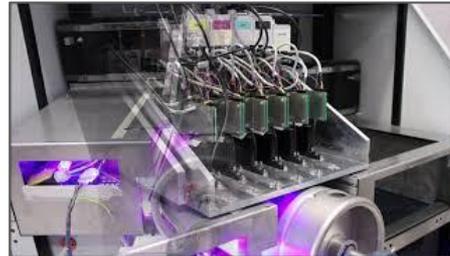
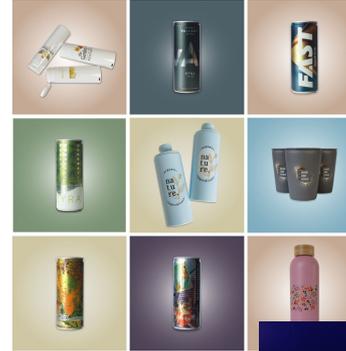
Usage:

Beverage, chemistry and everywhere where are object rotary printed

Reference:

Pilsner Urquell, Coca Cola, Nara Water, Svijany Brewery and many others

Uniqueness: High resolution, Effects like metalization, spot varnish, UV sensitive print, personification of cans, Braille letters and others



Digital print on flat glas by inorganic inks

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DIGITAL SOLUTIONS

Usage:

Architecture, furniture etc

Reference:

Inalco Spain, Giorgio Armani

Uniqueness: Technology enabling print of real gold and platinum ink, 8 color channels, dimensions of panel 4000 mm, specially developed software for connecting of panels.



Digital printing machine

Automation by cobots

Usage:

welding, assembling, handling and any type of automated tasks

Reference:

Welding, Assembling, Medicine ...

Uniqueness: High accuracy, load up to 30 kg and very competitive



Structure of company



Jan Skopik - CEO and sales responsible manager

Tomáš Wolf - Head of R&D, software and electronic developer

Josef Stedronsky - electro engineer, CE declaration, electro documentation, service

Jiří Kapral - service and electrotechnician

Jan Poledna, Zbysek Vanatka, Pavel Vacula - mechanical design of machines

Sabina Malerova - purchasing, administration

Lenka Zubata - accounting

Radek Okanik a Pavlina Rutarova - mechanical assembling

Zbysek Vanatka - head of machinery

David Pucek, Vojtech Vaclavik - machinery technicians

Vladimira Skopikova - head of printing services

Thank you for watching

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DIGITAL SOLUTIONS