

Portfolio Presentation and Know-How View

Inkjet Inks Inkjet Solutions Inkjet Coatings

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Ralf Martin Eckert

1992 – 2026

34 Years in Inkjet Business

Dicojet · First pigmentet Inkjet ink
DMS · Digital Match Solutions

Vita · 1978 – 2003

- 1978** Management Member of V&W Packing Group
- 1986** Consultant for URW Hamburg (Cut and CtP Systems)
- 1992** Start of Inkjet Engineering (first pigmented inkjet ink)
- 1996** Founder of Dicojet, a spin-off from Color Chemie Group (1996-2012)
- 1997** Development of High Pressure Laminate Ink
- 1998** World's first 7-colour inkjet system
- 2000** Raster simulation for Flexo and Gravure (Software – Hardware – Inks)
- 2002** Development of Aqua Protect Coating (PURE Power Protection)
- 2003** CARAIR Inkjet drying system

Vita · 2004 – 2026

- 2004** System development for HPL (Ink – Coating – Drying to fit the analog process)
- 2004** 3D Transfer for Nokia / Motorola (Water Transfer Printing)
- 2004** ABI Ink (similar to HP Latex 2010) — acrylic binder for non-absorbent media
- 2008** Amber Inks — water-free ecological inkjet ink
- 2009** Start of Orca Industry Inkjet Project
- 2012** Independent Inkjet Project engineering & consulting

In Focus · Create possibilities



- Water-based inkjet ink formulation that fits the analog process
- Pigment grinding and formulation
- HPL (High Pressure Laminate) — flooring and furniture
- 3D Water Transfer System (Nokia / Siemens / Motorola)
- Proof application (Flexo – Gravure – Screen)
- Coatings for natural paper
- Protection lacquer
- Analogue and digital synergy

Inkjet Colour Development

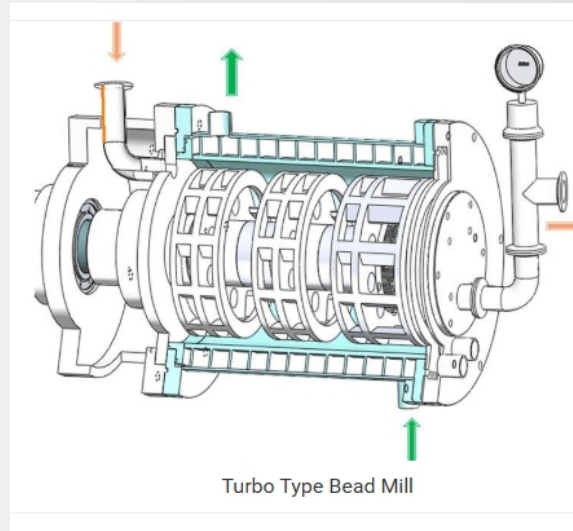
01

Laboratory



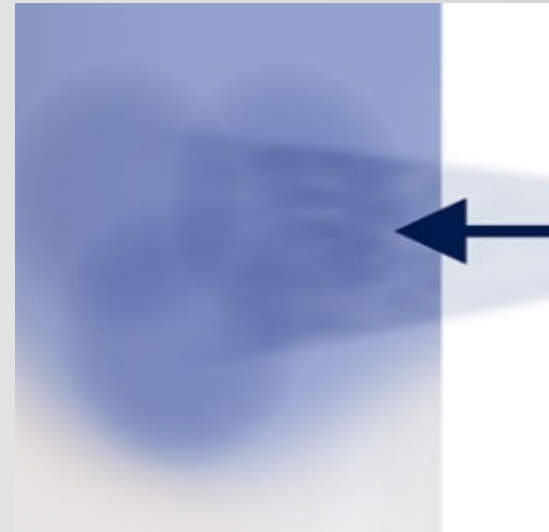
02

Production



03

Finishing



04

Packing



Coating Development

Inkjet coatings for

Decor paper

Overlay paper

Film

PVC



Software

Direct link to ERGOSOFT

Know-how in RIP (Raster Image Processor) and Colour Management

Create synergy & solutions

From hardware and chemistry to a complete application

Customer oriented

Analog / digital synergy

Same optic — same haptic

Same technology

Same process

Same durability

Same pigment base

Recovery of existing handling units

Same workflow — same workforce

Customer Products



Furniture



3 D transfer

Created Products



Flooring

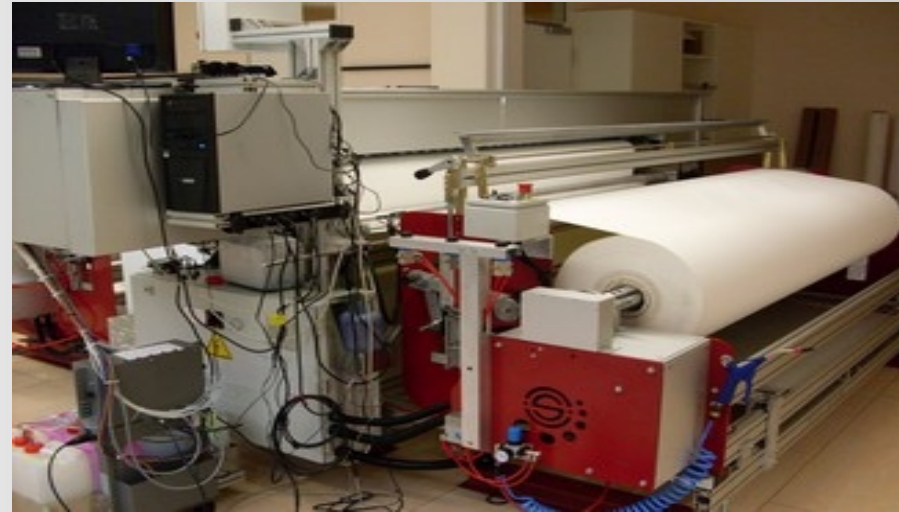


Wallpaper



Furniture

Inkjet Systems engineering



Thanks for your interest.

If you have questions, do not hesitate to get in contact.



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