



Case Study – Transforming Production with JD DTF Solution

Client Overview

- Client: NovaPrint GmbH
- Location: Munich, Germany
- Industry: Print House – Custom Garment Decoration
- Application: Direct-to-Film printing for T-shirts and small-batch orders

Background

NovaPrint GmbH is a leading German print house specializing in custom apparel for fashion brands, sports clubs, and promotional companies. Their existing vinyl and screen-printing workflow was limiting their flexibility and productivity. Each T-shirt required 7–10 minutes to produce, making it difficult to handle urgent or small-batch orders profitably.

Challenges Before JD DTF Solution

- Time-consuming production process (7–10 minutes per shirt)
- Limited ability to handle small and complex orders
- High setup costs with screen printing for short runs
- Wash durability limited to around 20–25 cycles
- Restriction in accepting on-demand customization

JD Solution Implemented

NovaPrint GmbH upgraded to JD's full DTF solution, including JD DTF Inks, PET Films, and Hot Melt Powder, running on Epson i3200 printheads. The integration provided a seamless workflow:

- High-opacity white ink for solid underbase printing
- Premium PET film with smooth release and consistent powder adhesion
- TPU adhesive powder with strong bonding and flexibility
- Technical support and ICC color profiles provided by JD for accurate color management

Results Achieved

- Production speed improved: reduced from 7–10 minutes to 2–3 minutes per shirt
- Daily output boosted from 90 → 250+ garments
- Wash durability improved to 40+ cycles
- Expanded business opportunities by accepting small, complex orders with no minimum quantity
- Reduced labor costs and setup time, increasing profitability

Guangzhou JD Digital Technology Co., Ltd.
Website: www.subtransferpaper.com
Email: sales@subtransferpaper.com
WhatsApp: +86-18613194646



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Customer Testimonial

“Switching to JD’s DTF solution was a turning point for us. We can now deliver small, highly customized orders quickly and cost-effectively. The improved wash durability has impressed our clients, and our production capacity has nearly tripled.”

— Managing Director, NovaPrint GmbH

Applications

- Fashion T-shirts & apparel
- Sports uniforms & team wear
- Promotional products & merchandise
- On-demand small batch orders
- Customized corporate branding garments

Why Choose JD DTF Solution

- Proven efficiency: faster production, higher output
- Durability: 40+ wash cycles with no fading or peeling
- Flexibility: handle small orders and complex designs easily
- Seamless compatibility with Epson i3200 printers
- Full technical support and color management from JD

Contact Us

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