

ESDTF028QA1

ROOSTER DTF 2404 – 24"



Industrial DTF Printers

Direct-to-Film Printing System (DTF)

High-Performance DTF Printing System: Advanced piezoelectric inkjet technology designed for industrial Direct-to-Film production, delivering consistent output, reliable performance, and high-definition print quality.

4-Printhead Industrial Configuration: Equipped with four high-precision piezoelectric printheads, ensuring sharp detail, smooth gradients, and stable performance for medium to high production volumes.

Extended Color System: CMYK + White ink configuration for high color saturation, excellent white opacity, and vibrant, high-impact results across textile applications.

Multi-Mode Production Workflow: Optimized printing modes (6-pass and 8-pass) balancing speed and quality, ensuring efficient production and consistent output across different job requirements.

Advanced Ink Management System: Integrated ink delivery system designed to maintain stable ink flow, reduce clogging risks, and ensure reliable continuous operation.

Professional RIP Software Included : Advanced color management, ICC profile optimization, white layer control, and automated workflow for precise and efficient production.

Printing System

Technology: Piezoelectric inkjet
Printhead Configuration: 4 printheads
Ink Configuration: CMYK + White
Maximum Print Width: 60 cm (24")

Printing Speed

6-Pass Mode
Draft Mode: Up to 30 m/h ($\approx 16.8 \text{ m}^2/\text{h}$)
Production Mode: Up to 25 m/h ($\approx 12 \text{ m}^2/\text{h}$)
Quality Mode: Up to 18 m/h ($\approx 9 \text{ m}^2/\text{h}$)
8-Pass Mode
Draft Mode: Up to 18 m/h ($\approx 9 \text{ m}^2/\text{h}$)
Production Mode: Up to 15 m/h ($\approx 7.2 \text{ m}^2/\text{h}$)
Quality Mode: Up to 12 m/h ($\approx 5.4 \text{ m}^2/\text{h}$)

Speeds may vary depending on print conditions.

Format & Materials

Compatible Materials:
Polyester film (DTF)
DTF transfer paper
Supported File Formats: Not specified
Software: Professional RIP software – included

Power & Electrical

Total Power Consumption: 6.5 kW
Electrical Requirements:
1 × 110 VAC (Plotter)
1 × 110 VAC (Oven)
1 × 220 VAC (Fume extractor)

Working Environment

Operating Temperature: 18°C – 25°C (ajustado técnico, error tipográfico corregido)
Humidity: 35% – 65%

✓ Condiciones óptimas para estabilidad de impresión

Curing & Transfer System

Thermal curing system for adhesive powder fixation
Continuous production ready
Heating platen:
Plotter: Included
Oven: Not included (model dependent)

Software & Workflow

Includes professional RIP software designed for:

Advanced color management
White ink layer control
ICC profile optimization
Print queue management
Automated production workflow

Ink Monitoring System

Ink level sensors: Not included
Recommendation: Manual monitoring to avoid interruptions

Fume Extraction System

External fume extractor: Included

Applications

Fashion & apparel production
Textile customization
Advertising and promotional products
Footwear and accessories

Operating Conditions

Not specified

Power Consumption

Not specified