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Digital Technologies

Colour. Precision. Speed.

Turning imagination into brilliance since 1978.

Manufacturing excellence. Engineering brilliance.

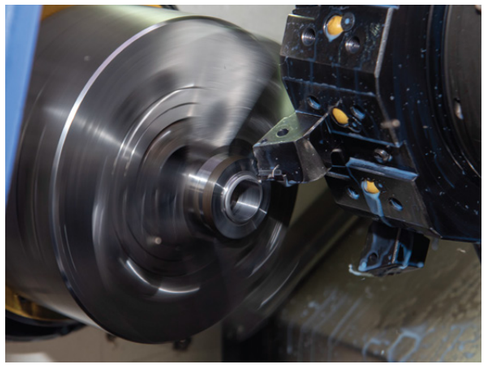
Beneath our 240,000 sq. ft. roof, innovation meets precision. Our fully integrated manufacturing campus turns ideas into machines that don't just perform, they excel.

Every system is engineered with exacting standards. Screen printing units are stress-tested for endurance, sublimation machines are built for energy efficiency, and digital printers are perfected under climate-controlled, dust-free conditions for unmatched accuracy.

Here, R&D and production work hand in hand, continuously refining, rethinking, and re-engineering each component for strength, consistency, and speed. This isn't mass production: it's mastery in motion.

2,40,000 sq. ft. Facility: India's most advanced screen-printing equipment hub.

ISO 9001:2015 Certified: Quality validated through independent audits.



CNC Milling

Our CNC milling units deliver precision manufacturing across complex geometries-slots, pockets, and surfaces in diverse materials. From aluminium plates for printer frames to multi-axis motion system parts, we achieve high repeatability, tight tolerances, and superior finishes. Engineering meets execution to ensure the fit, finish, and mechanical reliability that defines every DCC machine.

CNC Lathe

CNC lathes transform raw metal into critical machine components with micrometer precision. Computer-controlled programs craft spindle housings, drive shafts, and precision parts with flawless fit and perfect surfaces. Every cut is engineered for absolute repeatability ensuring every press, roller, and frame assembles seamlessly. Precision in motion. Reliability you can trust.

Laser Cutting

State-of-the-art lasers cut sheet metal with sub-millimeter precision, creating tabs and slots that snap together flawlessly. CAD-driven designs flow seamlessly from digital to physical, with zero waste and perfect repeatability. Every panel moves from concept to completion faster and cleaner-because brilliance lives in the details.

Welding

Skilled craftsmen and advanced monitoring fuse assemblies into unshakeable structures. Frame joints and mounting brackets are welded with precise control over heat, speed, and penetration. The result: rugged, vibration-free machines built for relentless production. Every weld ensures prints stay perfectly aligned, job after job.

Introducing

NeoFlex

High quality fully integrated DTF System

(Printer + Dryer + Inks + Films + Powder + RIP software)

A complete, high-speed DTF printing ecosystem designed, engineered, and produced entirely by DCC, a global leading name in printing innovation.

NeoFlex gives you:
» The precision of a premium machine
» The agility of a modern print business
» And the support of a partner that's here, not just imported

No patchwork.
No half-solutions.
Just confidence — delivered as a complete suite.

AUTO POWDER DISPENSING

HEAT SHIELD TECHNOLOGY

DUAL-LAYER FILTRATION

ALLOY STEEL BODY

OEKO TEX® ECO PASSPORT

GLOBAL ORGANIC TEXTILE STANDARD · GOTS ·

F-41460
48 m²/hr

→

F-41350+
84 m²/hr

→

F-41450
108 m²/hr

Why leading print businesses choose DCC NeoFlex

Smart businesses don't just invest in a machine — they invest in consistency, speed, support, and scale. NeoFlex is built for those who can't afford reprints, delays, or excuses.

Smart Software. Sharper Prints.

Our SmartRIP software is built for production — with features like smart nesting, color profiling, and print queue management to minimize waste and maximize quality.

Lower Downtime. Longer Uptime.

From auto head cleaning and smart powder curing and reliable service, every feature is designed to keep your machine running and your jobs flowing.

Engineered For Speed & Scale

With 6 Epson I3200 heads, intelligent white ink recirculation, and rapid film feed tracking, NeoFlex delivers fast, consistent output hour after hour, ideal for both short runs and scaling up.

Complete Ecosystem. Total Control.

Unlike setups cobbled together with third-party dryers or random consumables, NeoFlex is a fully integrated solution — printer, dryer, RIP software, inks, films, powder — all optimized and tested to work together.

Why leading print businesses choose DCC NeoFlex

Smart businesses don’t just invest in a machine — they invest in consistency, speed, support, and scale. NeoFlex is built for those who can’t afford reprints, delays, or excuses.

Parallel Precision Printheads

Equipped with 6 Epson I3200-A1 heads—3 for CMYK and 3 for White—NeoFlex enables printing with stable white underbase and vivid CMYK output. This ensures faster production, better alignment, and consistent color density, even on complex jobs.

Performance That Adapts

Switch easily between 6-pass (720×1800 DPI) for fast turnaround jobs, and 8-pass (720×2400 DPI) for premium detailing. Whether it's speed or resolution, NeoFlex delivers what your production demands—without compromise.

Smart Ink Management System

With large 1.7 L tanks for all colors, battery-powered low-ink alarms, an auto white ink recirculation system, and a dedicated white ink mixer, you get uninterrupted print runs and longer printhead life—no clogging, no manual worries.

Built-in Preventive Maintenance

Automatic capping and wiping systems keep your printheads clean, reduce downtime, and improve long-term consistency—so you don’t have to babysit your machine.

Precision Film Handling

A push-button pincher system, vacuum power adjustment, and pivot roller assembly work together to handle various film types without wrinkles or slippage. Get clean alignment, less waste, and better output on every roll.

Smart RIP, Smarter Workflow

DCC’s proprietary Smart RIP Software simplifies job nesting, manages multiple print queues, and ensures accurate color output. It's your in-built production assistant—saving film, time, and operator fatigue.

Dryer

Smart businesses don’t just invest in a machine — they invest in consistency, speed, support, and scale. NeoFlex is built for those who can’t afford reprints, delays, or excuses.

Automated Powdering Precision

An automated powder dispenser combined with a BLDC-powered shaker ensures even adhesive coverage, minimal wastage—every sheet, every time.

Heat-Shield Drying Technology

With 9 quartz IR heaters, Heat-Shield insulation, and smart heat programs, the dryer delivers consistent curing across the film while maintaining safe-touch surfaces. It protects your film, ensures adhesion, and keeps operations energy-efficient.

Film Feed That Flows

From vacuum rollers to adjustable belt speeds and film sensors, every part of NeoFlex’s film transport system is optimized for smooth flow and alignment. Less jamming, fewer creaes—just smooth productivity.

Sync with Confidence

The built-in film sensor ensures tight coordination with the printer’s output, while independent winding controls allow precise tension handling. No mismatches, no delays—just seamless syncing.

Air Quality Assured

A dual-layer filtration system (nano-carbon + HEPA) along with an integrated exhaust ensures your workspace stays safe, smoke-free, and compliant with health norms—because print quality should never come at the cost of safety.

Command with a Touch

The 7.0" color HMI touch display offers intuitive control over heater power, shaker speed, winding settings, and more. It simplifies operation for first-timers and power-users alike—making performance easy to unlock.

Twin Powder Catcher Trays

Designed for efficiency and cleanliness, the dual powder catcher trays collect excess adhesive powder during operation. This minimizes workspace mess, reduces wastage, and allows easy recovery of reusable powder—keeping productivity high and downtime low.

DCC DTF Consumables

Achieve vibrant, durable, and high-quality results

DCC NeoFlex INKS

Developed for reliability and consistency,
NeoFlex Ink Series delivers vibrant colors,
deep blacks, and superior white opacity with
less ink. Featuring a wide color gamut,
it is non-hazardous under GHS standards,
Ethylene Glycol-free, and HAPS-free.

DCC NeoFlex FILMS

Premium, High-Performance DTF Film:
NeoFlex Film is a premium-quality DTF Roll offering reliable,
high-performance results.

Superior Film Structure:
Available as Double Matte or Single Matte, with a film thickness
of 75 Microns±5.

Flawless Printing & Peeling:
Key features include no ink leakage (quick ink drying) and
compatibility with Hot & Cold easy peel.

Excellent Print Quality:
Ensures vibrant colors, a sharp print, and easy powder clean off.

Robust Coating Technology:
Features a quality design with coatings like Ink Receptive,
Release, Matte, Antistatic, and Antiblocking treatments.

Quality Guarantee:
Supported by a 100% Replacement Guarantee.

DCC NeoFlex POWDER

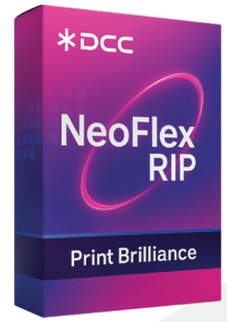
NeoFlex hot melt adhesive powder bonds
seamlessly to both synthetic and natural
fabrics—like polyester, nylon, rayon, blends, and
cotton—delivering a smooth, flexible finish with
long-lasting hold

DCC NeoFlex RIP

Robust Rasterization Interface
Unique White Ink Handling
Job Management And
Scheduling Tools
Pre-production Tools

- KnockMeBlackOut, black removal from design
- KnockMeColorOut, white & other color removal from design

Windows™ 11 and 10 support (64 bit)
- Optimized RIP processing speeds
- Optimized multiple job processing (RIP threading)



Tech Specifications

Model	NeoFlex F-41460	NeoFlex F-41350+ (5 colors)	NeoFlex F-41450 (9 colors)
Print Head	(6) Epson I3200 A1 Print Heads — (2) CMYK, (4) White	(4) Epson I3200 A1 Print Heads — (2) CMYK,(2) White	(6) Epson I3200 A1 Print Heads — (2) CMYK, (2) ORVG,(2) White
Print Resolution and Speed	720 x 1800 DPI, 6-Pass, 15.5 m²/hr (25.4 Linear m/hr / 83.3 Linear ft./hr) 720 x 2400 DPI, 8-Pass, 11.5 m²/hr (19.2 Linear m/hr / 63 Linear ft./hr)	720 x 1800 DPI, 6-Pass, 9.5 m²/hr (15.9 Linear m/hr / 52.2 Linear ft./hr) 720 x 2400 DPI, 8-Pass, 8 m²/hr (13.3 Linear m/hr / 43.8 Linear ft./hr)	720 x 1800 DPI, 6-Pass, 9.5 m²/hr (15.9 Linear m/hr / 52.2 Linear ft./hr) 720 x 2400 DPI, 8-Pass, 8 m²/hr (13.3 Linear m/hr / 43.8 Linear ft./hr)
Color Mode	CMYK & White	CMYK & White	CMYKORVG & White
Ink System	White Ink Auto Circulation Supply System	White Ink Auto Circulation Supply System	White Ink Auto Circulation Supply System
Ink Type	Eco-Friendly Water Based Ink	Eco-Friendly Water Based Ink	Eco-Friendly Water Based Ink
Printing Media	24" PET Transfer Film	24" PET Transfer Film	24" PET Transfer Film
Media Transmission	Automatic Roll Out & Film Take Up System	Automatic Roll Out & Film Take Up System	Automatic Roll Out & Film Take Up System
Interface	USB 3.0	USB 3.0	USB 3.0
Included RIP Software	DCC RIP	DCC RIP	DCC RIP
Work Room Temperature	16 - 27°C (61 - 81°F)	16 - 27°C (61 - 81°F)	16 - 27°C (61 - 81°F)
Work Room Humidity	40%-60% (No Condensation)	40%-60% (No Condensation)	40%-60% (No Condensation)
Electrical Requirements Printer[1,2]	208/230 V, 1 ph, 4.5 A 50/60 Hz, 0.75 kW	208/230 V, 1 ph, 4.5 A 50/60 Hz, 0.75 kW	208/230 V, 1 ph, 4.5 A 50/60 Hz, 0.75 kW
Electrical Requirements Dryer1	208/230 V, 1 ph, 39 A 50/60 Hz, 8.2 kW	208/230 V, 1 ph, 39 A 50/60 Hz, 8.2 kW	208/230 V, 1 ph, 39 A 50/60 Hz, 8.2 kW
Printer Dimensions (L x W x H)	73.8 x 211.3 x 154 cm (29" x 83.2" x 61")	73.8 x 211.3 x 154 cm (29" x 83.2" x 61")	73.8 x 211.3 x 154 cm (29" x 83.2" x 61")
Dryer Dimensions (L x W x H)	193 x 95.5 x 94 cm (76" x 37.6" x 37")	193 x 95.5 x 94 cm (76" x 37.6" x 37")	193 x 95.5 x 94 cm (76" x 37.6" x 37")
Minimum Working Space (L x W)	335.3 x 365.7 cm (11' x 12')	335.3 x 365.7 cm (11' x 12')	335.3 x 365.7 cm (11' x 12')
Printer Machine Weight	304 kgs (670 lbs.)	304 kgs (670 lbs.)	304 kgs (670 lbs.)
Included RIP Software	DCC RIP	DCC RIP	DCC RIP
Dryer Machine Weight	345kgs (761 lbs.)	345kgs (761 lbs.)	345kgs (761 lbs.)

* [1]General usage may vary, but will be significantly less than stated values.
[2] Use Servo Stabilizers to safeguard the machine from Voltage Fluctuation out of the main supply.