



differro[®]
Calenders

DL SERIES

Piece & Roll to Roll Transfer Printing Machine



PRODUCT INFORMATION

Our new “DL” series has been created for smaller scale businesses that are keen to produce their own products inhouse and minimise the need to outsource. Whilst mainly used for textile transfer printing, the DL Series can also be used for other heat transfer applications.

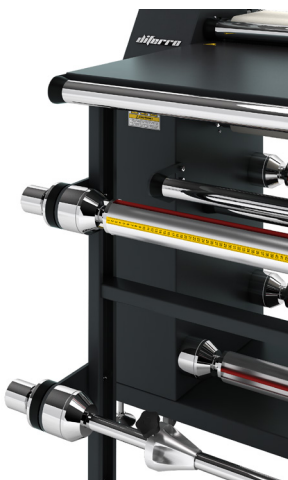
OPERATION TYPES

- Digital Paper Rolls to Pieces of Fabric
- Digital Paper Rolls to Rolls of Fabric
- Digital Paper Pieces to Pieces of Fabric

OTHER SCOPE OF USE

- Film Lamination
- Serigraphy Transfer Printing
- Offset Printing

THE DRUM



The drum is made of ST44 drawn steel pipe and all standard models are finished with surface grinding. On request the drum surface can also be plated with either chrome or Teflon. Inside the drum is an infrared heating element that operates without the use of any oil. The heat sensor is placed on the surface of the drum, this enables more accurate readings and provides better print results.

THE FELT BELT

All of our machines are equipped with 100% Nomex seamless industrial felt belts that are reinforced with Kevlar material in order to avoid stretching. The expected lifetime for the belt on this unit is between 1 & 4 years depending on use. In order to eliminate movement of the felt belt to either side, the machine is equipped with a shaft and limitation ring which restricts left to right felt movement and doesn't require an air compressor for operation.

CONTROL PANEL

- Digitally adjusted temp.
- Speed Adjustment Pot.
- Warning Light

MATERIAL INPUT / OUTPUT CONTROLS

Protection Paper

Input : Pneumatic Brake System

Output : Manually Adjustable Automatic Rewind

Digital Paper

Input : Manually Brake System

Output : Manually Adjustable Automatic Rewind

Roll Fabric

Input : Manually Adjusted Fabric Tension System

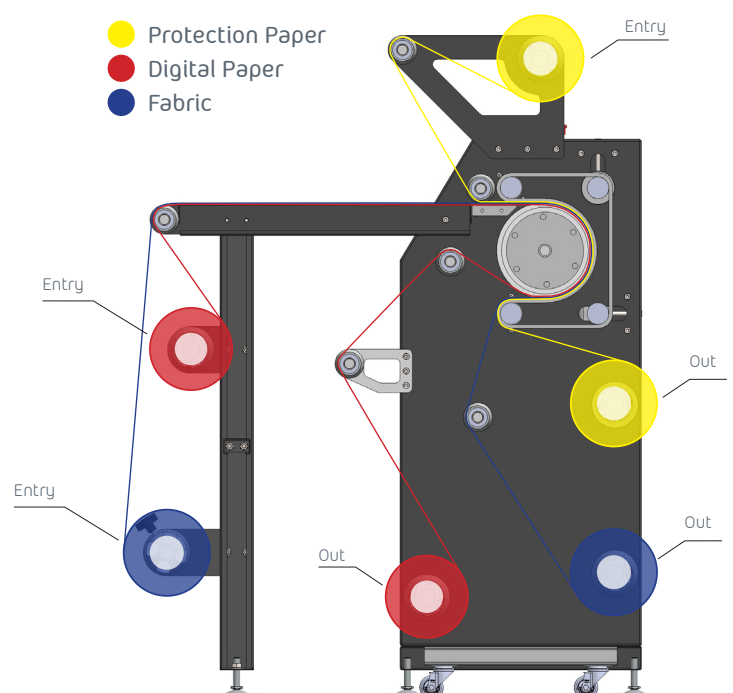
Output : Manually Adjustable Automatic Rewind

Piece Fabric

Input : Manual, On table

Output : Pot. controlled, off the protection paper

FIXATION PROCESS





TECHNICAL SPECIFICATIONS

Heating System	: Infrared
Max. Temperature	: 220°
Average Heating Time	: 35 min.
Average Cooling Time	: 50 min.
Power Supply	: 220 V – 1 Ph 50/60 Hz
Air Intake (bar)	: Min. 5 – Max. 8
Electrical System	: Automatic Control System
Felt Tension System	: Manual
Felt Control System	: Manual
Drive Speed Control	: AC Inverter
Paper Un-wind Re-wind	: Compressed Shaft
Weekly Programming	: Yok
Automatic Shut-Down	: Yes
Safety	: 2 Emergency Buttons – Safety Wire
Software Language	: English (Optional)
Warranty	: 2 years Mechanical , 1 year Electrical (User Fault Exempted)



OPTIONAL OPTIONS

- | | |
|---------------------------------------|---------------------------|
| 1 Remote Access Ethernet Point | 4 UPS Power Supply |
| 2 Air-Shaft | 5 Omron PLC |
| 3 Chrome or Teflon Plated Drum | |

MACHINE DIMENSIONS

DL SERIES																		
Machine	Drum Diameter		Drum Width		Maximum Working Width		Working Data			Maximum Current Input	Total Power	Average Energy Power	Drum Resistance Power	Drum Engine Power	Dimensions (Footprint with Table)	Net Weight	Dimensions of the Shipping Crate	
	Code	mm	inch	mm	inch	mm	m/min	m/hour	m ² /hour	Amp.	Kw	Kw	Kw	Kw	Cm	Kg	Cm	Kg
DL-13B200C	200	7.8"	1300	51.2"	1270	1,20	72	91	13,7	9	5,85	8,5	0,55	187x100x138	250	205x115x162	275	
DL-17B200C			1700	66.9"	1670	1,20	72	120	30,4	20	13	18,5	0,75	227x100x138	310	245x115x162	340	

SCOPE OF APPLICATION





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