

DX SERIES

Fabric Dye Fixation Machines



diferro[®]
Calenders



PRODUCT INFORMATION

Our latest “DX” Series has evolved and includes many unique new features. We have created a truly cost-effective fixation machine that is built to last, offers multiple configuration choices and the performance required for an efficient high-speed print finishing experience. Fixation is required to activate the colouring agents in the dyes and not only improves colour fastness, but also increases the vibrancy and impact of the designs when produced using a Reactive or Cotton Pigment Dye based digital printer. With features such as ironing and wrinkle fixer, the latest “DX” series will complete your finishing in a fast and efficient way.

CYLINDER FEATURE

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 one single heating unit that consists of three pieces. The drum is filled with transfer heating oil that fills up 60% of the inner volume. The failsafe-switch mechanism helps balance the inner pressure, and will deactivate the machine should there be any issues regarding the gasses generated by heated oil so to avoid injury or damage. The heat sensor is placed on the surface of the drum, this enables more accurate readings and provides better print results. Maximum Working Temperature and Temperature Restrictions can be easily adjusted via the Touch-Screen Panel.

CONTROL BOARD

- Digitally adjusted Speed and Temp.
- Digital Counter



MATERIAL INPUT AND OUTPUT CONTROLS

Roll Fabric

Input : Manually Adjusted Fabric Tension System

Output : Potency Controlled Double Roll Rewind

OPTIONAL OPTIONS

- | | |
|---|---------------------------------------|
| 1 Fabric Straightener Rod | 5 Air Shaft |
| 2 Pneumatic Ventilation Unit | 6 Chrome or Teflon plated drum |
| 3 Pneumatic Shaft System for extra fabric coverage | 7 UPS Power Supply |
| 4 Remote Access Module | |



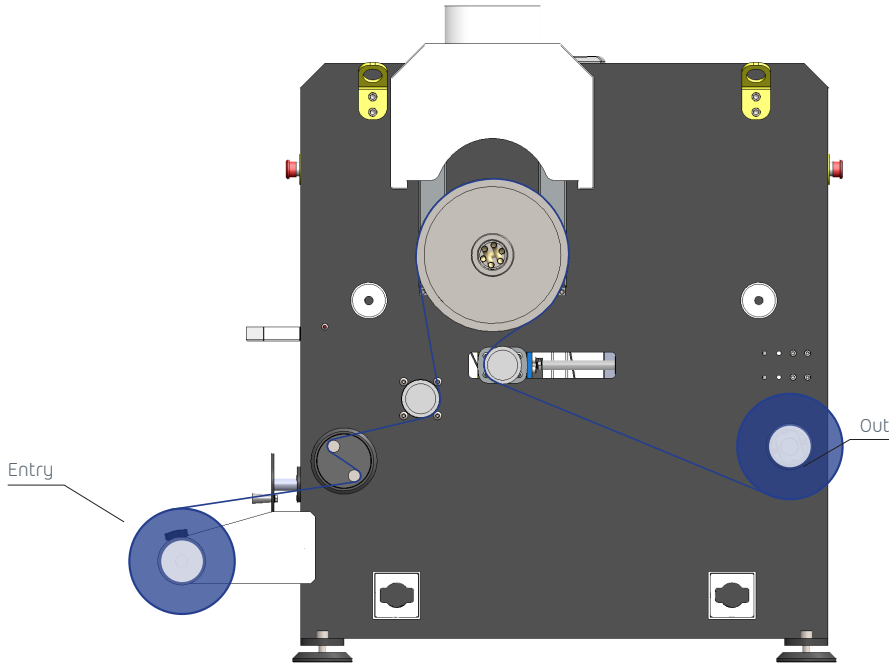
TECHNICAL SPECIFICATIONS

Heating System	: Heat Transfer Oil
Max. Temperature	: 220°
Average Heating Time	: 80 min.
Average Cooling Time	: 150 min.
Power Supply	: 380 V – 3 Ph 50/60 Hz
Air Intake (bar)	: Min. 5 – Max. 8
Electrical System	: Digital Control Unit
Drive Speed Control	: AC Inverter
Paper Un-wind Re-wind	: Compressed Shaft
Weekly Programming	: No
Automatic Shut-Down	: No
Safety	: 4 Emergency Buttons – Safety Wire
Software Language	: English (Optional)
Warranty	: 2 years Mechanical , 1 year Electrical (User Fault Exempted)



FIXATION PROCESS

● Fabric



MACHINE DIMENSIONS

DX 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	
	mm	inch	mm	inch		mm	m/min	m/hour								m ² /hour	Amp.
DX-19B320C	320	12.6"	1900	74,8"	1840	4,00	240	442	38,0	25	16,25	23,5	0,75	220X180X130	750	245X130X155	825
DX-22B320C			2200	85.6"	2140	4,00	240	514	45,6	30	19,5	28,5	1,1	260X180X130	1100	285X130X155	1210
DX-26B320C			2600	102,3"	2530	4,00	240	607	56,3	37	24,05	35	1,1	280X180X130	1320	305X130X155	1450
DX-33B320C			3300	129,2"	3210	4,00	240	770	71,5	47	30,55	45	1,5	310X180X130	1540	335X130X155	1695

SCOPE OF APPLICATION





Diferro Makina San. ve Tic. Ltd. Şti.

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