



ADELCO
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Adelco Ellipse Oval

ADELCO SCREEN PROCESS LTD.,
HIGHVIEW, HIGH STREET, BORDON, HANTS. GU350AX, ENGLAND.
TEL: +44(0) 1420 486388 FAX: +44(0) 1420 476445 E-mail: sales@adelco.co.uk
website : www.adelco.co.uk

Introduction

Adelco have been specialist suppliers to the printing industry for almost 40 years and have a reputation for supplying the highest quality equipment with a worldwide distribution network.

We manufacture drying and curing systems, screen printing equipment, and are the sole UK agents for Kornit High Speed Digital Garment Printers and Azon Digital Garment and Substrate printers.

Our main facilities are based in the UK, Hong Kong and China and our network of distributors around the world ensure that our products are supported wherever our customers may be based.



Why purchase Adelco Ellipse Oval ?

- Adelco's name has been synonymous with Automatic Oval printing equipment since early 1980, during which time have sold & installed 100 + units worldwide.
- The Ellipse oval was Designed in UK based using the 30 years of knowledge & experience gained with oval printing equipment.
- Assembled in China at our own production facility, reducing selling price by over 40%.
- Meticulous attention to detail:
- Utilises The latest Siemens control system, PLC & touch panel interface:
- Imported High quality Flash proof Aluminium pallets with flatness tolerance of 0.3 mm.
- Pallets are supported both front and back on every Print station, ensuring Accurate, consistent Pallet levels. Supported so well you can physically stand on the pallets !
- Tool Free, Precise Adjustments.
- Ergonomic Design:
- Lifetime registration





Basic characteristics

1. Oval structure and mode combination are easy for space distribution, and may extend the printing head and process at any time.
2. Combination of one printing head to three bedplate could improve the use efficiency in maximum, one machine could be used all purposes with little chronically.
3. Matching ultrasonic humidity-added setting and high efficiency infrared drying machine could be suitable for various printing material, such as thermosetting inkjet, colloid, slurry, dye, bronzing, flocking, etc.
4. Advanced PLC control system could provide strong automatic operation program, the printing process drive by frequency conversion AC electromotor is stable and with high speed.
5. Flexible and convenient mesh frame clamp orientation setting is useful to check up the printing plate accurately in highest speed.
6. Exact and dependable mainframe servo drive plus accurate structure orientation system could insure the whole machine runs stably with high precision chronically.
7. Colorized touching screen man-machine interface could provide direct and convenient operation feeling, and support the malfunction diagnosis and malfunction elimination prompt function.
8. It has the memory function for the machine when it stops or turns off. When power cuts suddenly and transmits again, the machine will work on following the procedure state before power off automatically.
9. High quality plus circumspect after-sales service and technology supporting could make you rest easy.



Parameter index

ellipse Automatic Oval Textile Press

Modular Design:

The Ellipse oval structure is modular, designed and built in four or six station modules, print heads can be fitted to any station. With a triple pallet driven module it offers complete flexibility in the configuration of your machine.

Servo Driven Index:

Servo drive offers powerful, high speed smooth index in either clockwise or anti clockwise direction. Single or double index options.

Lifetime Registration:

Three position pallet lock system on every pallet arm which disengages the pallet from the drive mechanism ensures consistent, reliable pin point lifetime registration.

Servo Driven Printheads:

Servo drive print heads deliver exceptional speed & control torque even at lower speeds. Print head features adjustable screen chase, three way responsive micro registration, quick release squeegee & flood blades, pneumatic screen clamps, adjustable print/flood stroke, front linear off contact & leveling adjustment, quick release high lift facility for rapid screen cleaning or flash cure docking, every head fitted with touch panel control for all main printing functions.

Build Quality:

Heavy duty construction with front & rear support for both print head & pallet arms delivers exceptional print quality.

Rigid Pallet arms:

Rigid Pallet arms optimize servo index, supported front & back during print cycle providing zero pallet deflection. Wide range of easily removable pallet sizes & styles available.

Advanced PLC control system:

Advanced Siemens PLC control system with human interface for all operator functions, including Auto start, Auto Finish, sample print, jog mode, multiple print stroke, Print mode selection, manual & automatic modes, Pallet delay, cycle count and self diagnosis.

Multiple Print Formats:

Choose from standard Print Formats: 50cm(20")x20" or 50cm(20")x31.5" and 70cm(28")x30" Other print formats available on request.

Tool Free Adjustments:

Tool free adjustments of all features for rapid set up and adjusting.

Warranty:

The Ellipse oval is covered by a Two Year Limited warranty supported by our growing network support.

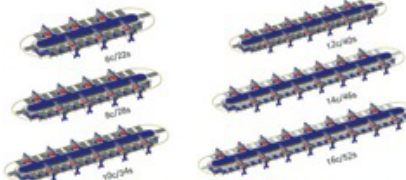
Specifications:

	Drive Module	Six Station Module	Print Station
Electrical Requirements	380/415 volts, Three phase, 70w	380/415 volts, Three phase, 100 watt	380/415 volts, Three phase, 300 watt
Air Supply	100 PSI / 7 Bar	100 PSI / 7 Bar, 1 CFM	100 PSI / 7 Bar, 3 CFM

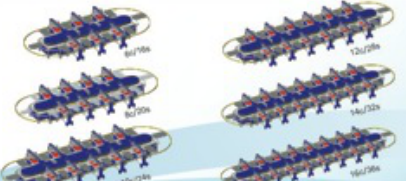
Print Format:

Standard Image Area	Max Frame Size	Max Machine Width	Length
50"70cm(20"x28")	60"109cm(27"x43")	405cm(159")	Depends on format
60"90cm(23.5"x31.5")	79"119cm(31"x47")	425cm(167")	Depends on format
70"100cm(28"x39")	89"139cm(35"x55")	445cm(175")	Depends on format

Ellipse Over Schematic Layouts



MODEL	PRINT-FLASH-COOK FORMAT									
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5
DFC5070	11.45m	4.05m	13.88m	4.05m	16.32m	4.05m	18.75m	4.05m	21.20m	4.05m
DFC6080	13.11m	4.24m	15.85m	4.24m	18.60m	4.24m	21.34m	4.24m	24.08m	4.24m
DFC70100	14.68m	4.72m	17.13m	4.72m	20.17m	4.72m	23.22m	4.72m	26.27m	4.72m



MODEL	PRINT-FLASH-COOK FORMAT									
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5
DFC5070	9.00m	4.05m	10.63m	4.05m	12.26m	4.05m	13.89m	4.05m	15.51m	4.05m
DFC6080	10.37m	4.24m	12.20m	4.24m	14.03m	4.24m	15.85m	4.24m	17.68m	4.24m
DFC70100	11.63m	4.72m	13.06m	4.72m	15.10m	4.72m	17.12m	4.72m	19.16m	4.72m