

WORLDWIDE NETWORK



WE PROVIDE A COMPLETE SOLUTION



Wide range of flash cure units



Duplex Dryer



Ink Processor

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* All specification correct at time of going to press. Adelco reserve the right to change or amend any detail or specification without notice

Automatic oval textile printing press



Introduction:

Adelco Have specialised in manufacturing and supplying quality equipment to the printing industry since 1972.

We have built a reputation for producing equipment with the latest technology and highest specification through a worldwide distribution and support network.

With Headquarters in the UK and Hong Kong and our own production and manufacturing facility in China, Adelco have gained a reputation in producing the highest quality Screen printing, Drying and Curing systems.

We realise our customers have a choice in their equipment suppliers which is why Adelco have an extensive development programme to ensure our products provide unique and unmatched specifications.



Why purchase Adelco Ellipse Oval ?



- Adelco's name has been synonymous with Automatic Oval printing equipment since early 1980, during which time we have sold & installed 100 + units worldwide.



- The Ellipse oval is UK designed. Drawing on 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 and quality control.

- Unique chainless pallet index system.



- Utilising the latest Siemens control system, PLC & touch panel interface.

- Imported high quality flash proof aluminium pallets with flatness tolerance of less 0.01mm.

- Pallets are supported both front and back on every Print station, ensuring Accurate consistent Pallet levels.



- Tool Free, Precise Adjustments .



- Ergonomic design : designed to provide the highest standards of accuracy.

- Performance and reliability.

- Ultra quiet index system.

- Extensive safety devices and features.

- Exceptional worldwide aftersales support.

- High quality parts that conform to strict worldwide regulations.



Characteristics

1. Modular & Expandable

Available in three standard print Size formats. The Ellipse Can be configured for almost any production requirement up to 52 stations.

2. High Production:

High power servo index, fast and independent screen lift lower and smooth, servo driven print heads enable cycle times of 700+ prints per hour.

3. Precision in motion :

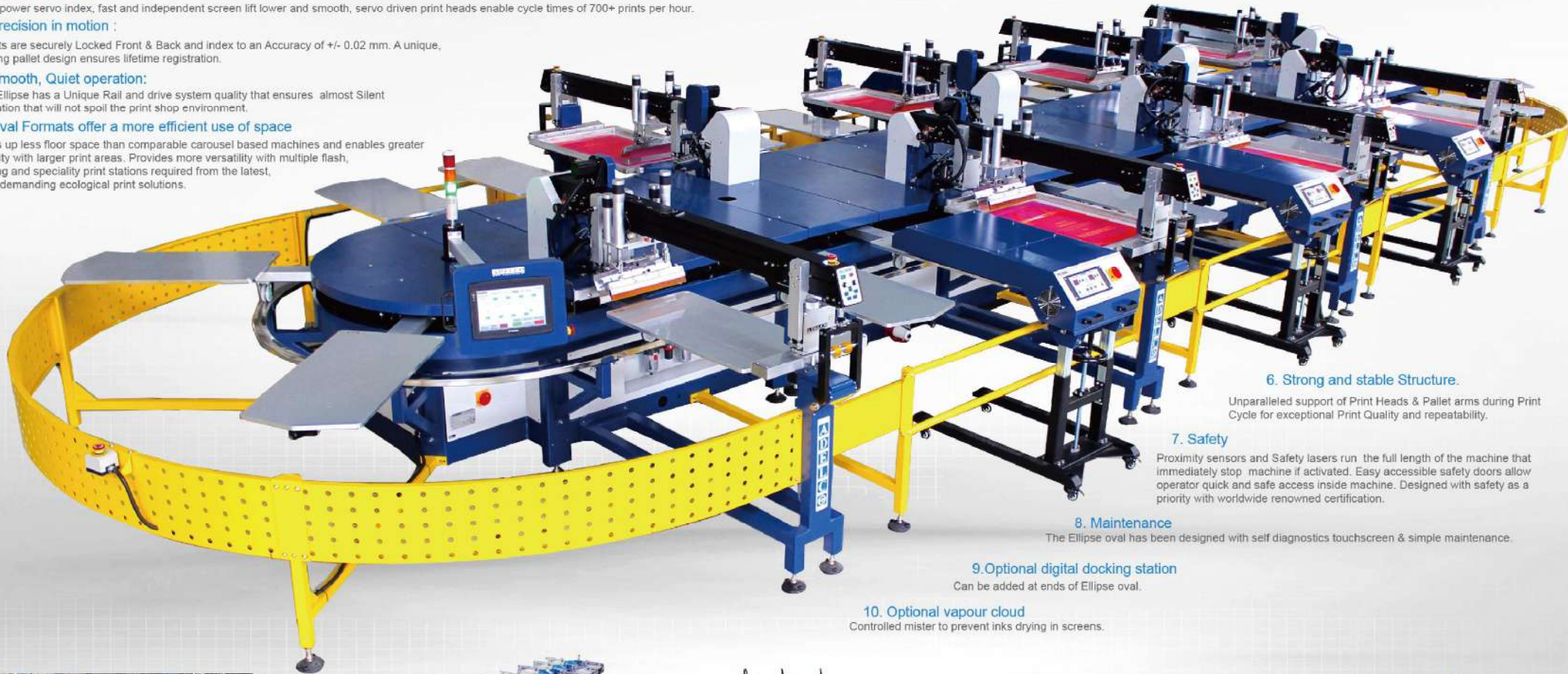
Pallets are securely Locked Front & Back and index to an Accuracy of +/- 0.02 mm. A unique, floating pallet design ensures lifetime registration.

4. Smooth, Quiet operation:

The Ellipse has a Unique Rail and drive system quality that ensures almost Silent operation that will not spoil the print shop environment.

5. Oval Formats offer a more efficient use of space

Takes up less floor space than comparable carousel based machines and enables greater stability with larger print areas. Provides more versatility with multiple flash, cooling and speciality print stations required from the latest, most demanding ecological print solutions.



6. Strong and stable Structure.

Unparalleled support of Print Heads & Pallet arms during Print Cycle for exceptional Print Quality and repeatability.

7. Safety

Proximity sensors and Safety lasers run the full length of the machine that immediately stop machine if activated. Easy accessible safety doors allow operator quick and safe access inside machine. Designed with safety as a priority with worldwide renowned certification.

8. Maintenance

The Ellipse oval has been designed with self diagnostics touchscreen & simple maintenance.

9. Optional digital docking station

Can be added at ends of Ellipse oval.

10. Optional vapour cloud

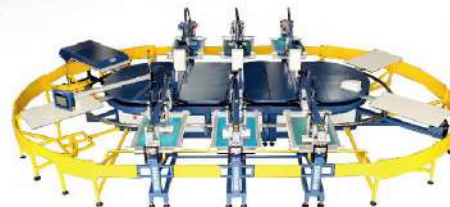
Controlled mister to prevent inks drying in screens.



Bespoke oval design auto sock printer illustrated



Model No: OPP-16C52S-5070
• 16 color 52 station • 50*70cm printing area



Model No: OPP-6C10S-70100
• 6 color 10 station • 70*100cm printing area



Model No: OPP-8C36S-80120
• 8 color 36 station • 80*120cm printing area



Optional digital docking station

Features

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 drive and driven module it offers complete flexibility in the configuration of your machine.

Servo Drive Index

Servo drive offers powerful, high-speed, smooth and silent indexing using a chainless drive system for longevity and lifetime accuracy.

Rapid Setup *

Set up and register an 8 color print job in under 10mins due to the accuracy of the pre registration system, *subject to pre registered screen.

Lifetime Registration *

Two 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 Print heads

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 & rear 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.

Export Quality Parts

World renowned quality parts used such as Siemens electronics and CNC machined frames for world wide conformity to strict regulations.

*subject to regular routine maintenance

Specifications :

Electrical Requirements		Air Supply	
≤28 stations	> 28 stations	Pressure	CFM (per print head)
1 phase 220V 1.5KW + 700W per print head	1 phase 220V 2.5KW + 700W per print head	100PSI / 7bar	3 CFM

Print Format :

Standard Image Area	Max Frame Size	Max Machine Width	Length
50*70cm(20**28")	69*110cm(27**43")	445cm(175")	Depends on format
60*80cm(23.5**31.5")	79*120cm(31**47")	480cm(189")	Depends on format
70*100cm(28**39")	89*140cm(35**55")	535cm(210")	Depends on format

Build Quality

Heavy duty construction with front & rear support for both printhead & 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.

Quick Release Pallets

Quick release, Tool free pallet system allows the pallets to be adjusted or changed in seconds.

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 diagnostics.

Multiple Print Formats

Choose from standard Print Formats: 50x70cm (20"x28"), 60x80cm(23.5"x31.5") and 70x100cm(28"x39") Other print formats available on request.

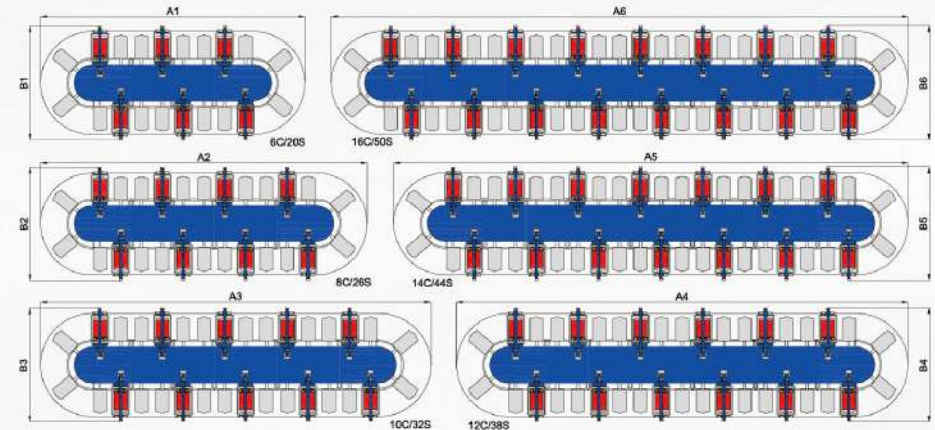
Tool Free Adjustments

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

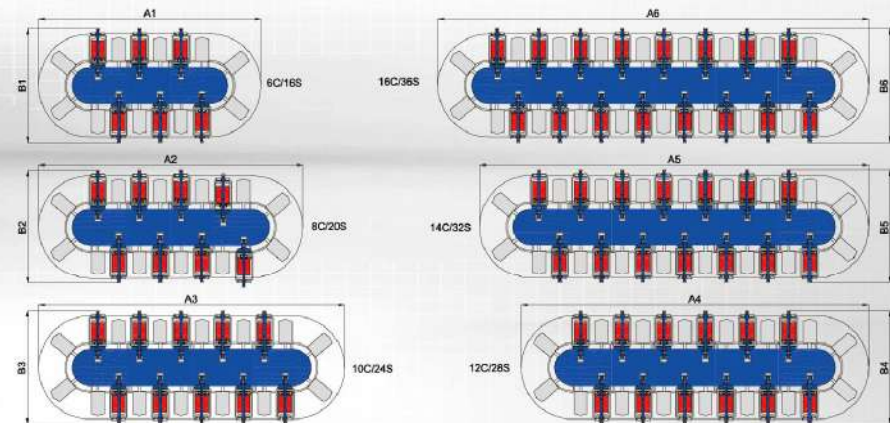
Warranty

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

Ellipse Oval Schematic Layouts



MODEL	PRINT-FLASH-COOL FORMAT											
	6C/20S		8C/26S		10C/32S		12C/38S		14C/44S		16C/50S	
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5	A6	B6
OVAL5070	10.32M	4.45M	12.75M	4.45M	15.23M	4.45M	17.63M	4.45M	20.07M	4.45M	22.51M	4.45M
OVAL6080	11.46M	4.80M	14.20M	4.80M	16.95M	4.80M	19.69M	4.80M	22.43M	4.80M	25.16M	4.80M
OVAL70100	12.80M	5.35M	15.85M	5.35M	18.90M	5.35M	21.94M	5.35M	24.99M	5.35M	28.04M	5.35M



MODEL	PRINT-FLASH FORMAT											
	6C/16S		8C/20S		10C/24S		12C/28S		14C/32S		16C/36S	
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5	A6	B6
OVAL5070	8.09M	4.45M	10.32M	4.45M	11.94M	4.45M	13.57M	4.45M	15.19M	4.45M	16.82M	4.45M
OVAL6080	9.83M	4.80M	11.46M	4.80M	13.29M	4.80M	15.12M	4.80M	16.94M	4.80M	18.77M	4.80M
OVAL70100	10.77M	5.35M	12.80M	5.35M	14.83M	5.35M	16.86M	5.35M	18.89M	5.35M	20.93M	5.35M