adelco ELLIPSE
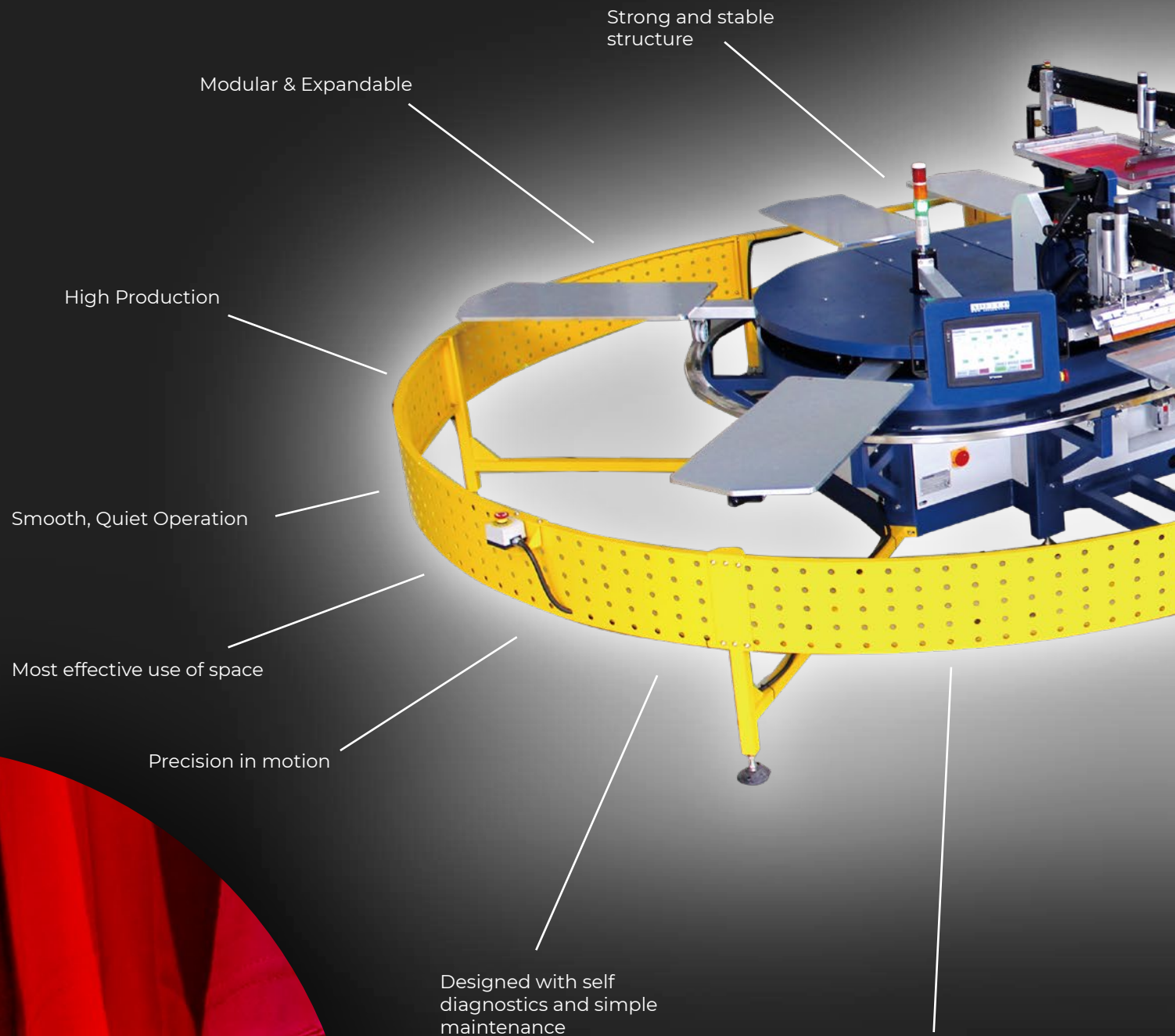
Unique in the market place having front and rear registration locators and pallet support providing the most stable and accurate registration on extra large print areas

Strong and stable structure

Modular & Expandable

High Production

Smooth, Quiet Operation

Most effective use of space

Precision in motion

Designed with self diagnostics and simple maintenance

Optional extras including:
- Digital docking station
- Humidifier
- Flocking
- Hot Iron

Screen Printing Systems

The Adelco Ellipse Oval can be configured for almost any screen-printing production requirement with an infinite number of stations and print heads. With its' modular make-up, this screen printer can be easily scaled up as your business and print requirements grow. The best solution for print areas of 70x100cm and above with a high power servo index, allowing for cycle times of 700 or more prints per hour.

Precision printing is achieved using the Ellipse Oval, as pallets are locked front and back, offering accuracy of +/- 0.02mm. The Ellipse Oval also features a unique floating pallet design, which is chainless for extreme longevity and smooth pallet index.

The Ellipse Oval features an advanced PLC control system with human interface for all operator functions including auto start and auto finish.
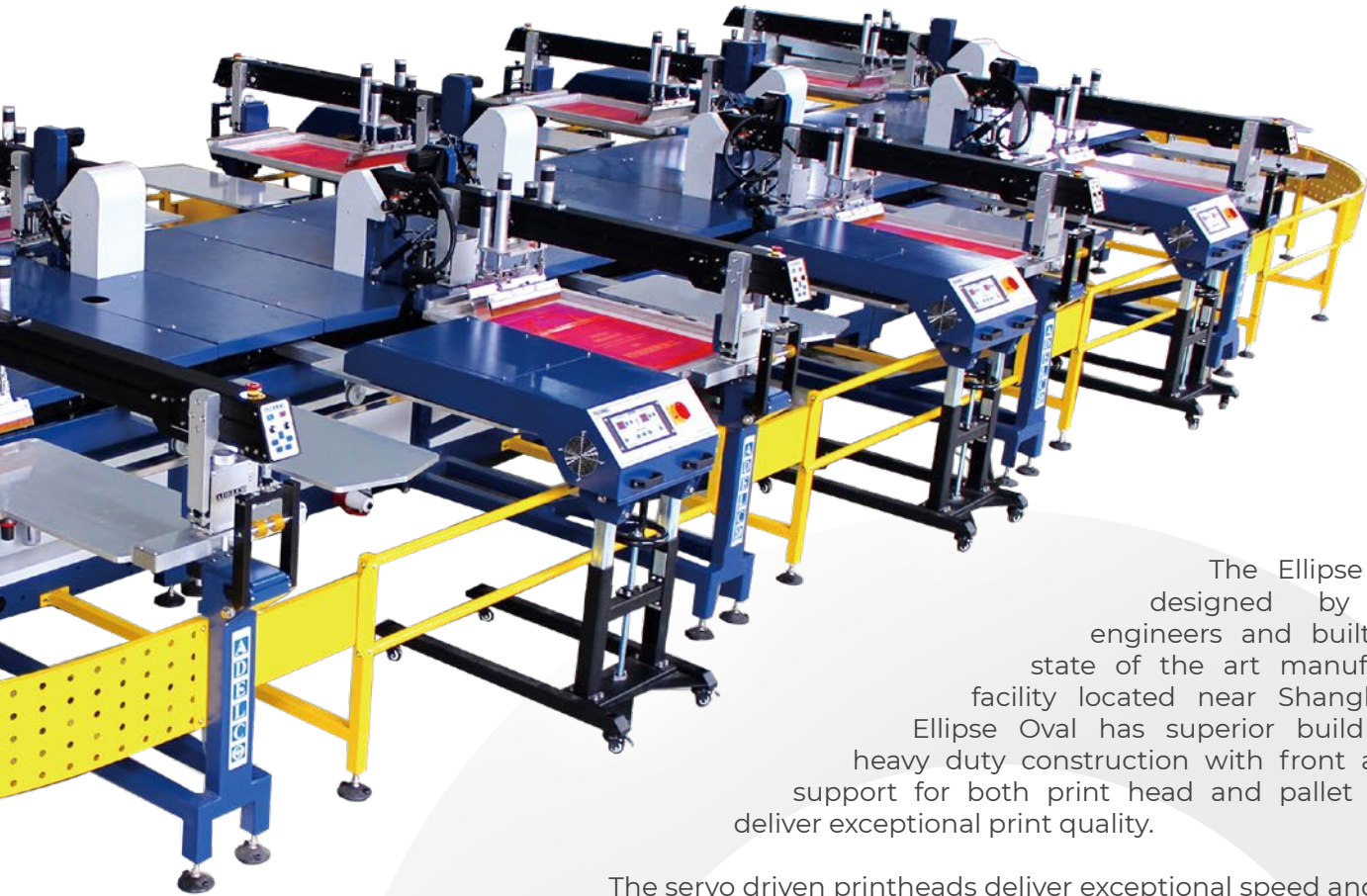
The Ellipse Oval is designed by British engineers and built at our state of the art manufacturing facility located near Shanghai. The Ellipse Oval has superior build quality, heavy duty construction with front and rear support for both print head and pallet arms to deliver exceptional print quality.

The servo driven printheads deliver exceptional speed and control torque, and feature adjustable screen chase, three-way responsive micro registration, quick release squeegee/flood blades, front and rear off contact and levelling adjustment, and a quick release high lift facility for rapid screen cleaning or flash cure docking.

Every printer head is fitted with a touch panel control for all main printing functions. Rigid pallet arms optimising servo index, supported front and back during the print cycle provide zero pallet deflection, while at Adelco we also offer a wide range of easily removable pallet style and sizes.

Features

- Chainless pallet drive system for extreme longevity and smooth pallet index.
- Guaranteed lifetime registration. Our unique lock system which is located on every pallet arm, disengages the pallet from the drive mechanism ensuring consistent pin-point lifetime registration.
- Servo driven printheads delivering exceptional speed and control torque, even at lower speeds our printheads feature adjustable screen chase, three-way responsive micro-registration, quick release squeegee/flood blades, front and rear off-contact and levelling adjustment, a quick release high lift facility for rapid screen cleaning or flash cure docking. Every head is fitted with a touch panel control for all main printing functions.

- Rigid pallet arms optimizing servo index, supported front and back during the print cycle providing zero pallet deflection. We offer a wide range of easily removable pallet styles and sizes.
- Superior build quality, heavy duty construction for both print head and pallet arms delivering exceptional print quality.
- 2 year limited warranty – The Ellipse Oval is covered by a 2 limited year warranty and supported by our global network of service agents and distributors

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Specifications

Electrical Requirements

<28 stations	>28 stations
1 phase 220V 1.5KW + 700W per print head	1 phase 220V 2.5KW + 700W per print head

Air Supply

Pressure	CFM (per print head)
100PSI/7bar	3 CFM

Standard Image Area	Max Frame Size	Max Machine Width	Length
70x100cm (28"x39")	89x140cm (35"x55")	440cm (173")	Depends on format
80x120cm (31.5"x47.2")	99x160cm (39"x63")	480cm (189")	Depends on format
Larger print sizes quoted on request			

Print-Flash Format

Model	6C/14S		8C/18S		10C/22S		12C/26S		14C/30S		16C/34S	
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5	A6	B6
OVAL70100	8.92M	4.4M	11.05M	4.4M	13.18M	4.4M	15.32M	4.4M	17.45M	4.4M	19.59M	4.4M
OVAL80120	10.01M	4.8M	12.29M	4.8M	14.58M	4.8M	16.87M	4.8M	19.15M	4.8M	21.44M	4.8M
Larger print sizes quoted on request												

Print-Flash-Cool Format

Model	6C/20S		8C/26S		10C/32S		12C/38S		14C/44S		16C/50S	
	A1	B1	A2	B2	A3	B3	A4	B4	A5	B5	A6	B6
OVAL70100	11.05M	4.4M	14.25M	4.4M	17.45M	4.4M	20.65M	4.4M	23.85M	4.4M	27.06M	4.4M
OVAL80120	12.09M	4.8M	15.75M	4.8M	19.15M	4.8M	22.58M	5.35M	26.01M	5.35M	29.44M	5.35M
Larger print sizes quoted on request												

Model No: OPP-8C36S-80120
8 colour - 36 Station
80x120cm Printing Area
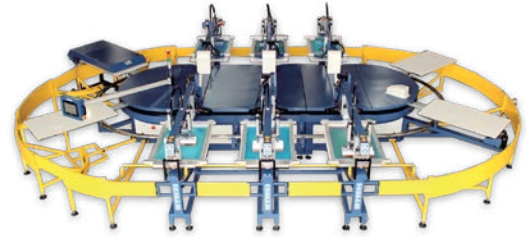
Model No: OPP-6C10S-70100
6 colour - 10 Station
70x100cm Printing Area

Bespoke oval design auto
sock printer illustrated

"I would recommend any of the Adelco products to anyone, not only for the quality, but definitely for the support offered after the sale."

- Rob Dubow, Dubow Textile Inc. USA