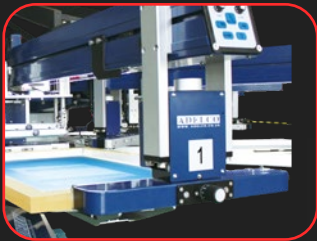# adelco
CYCLONE

The **automatic carousel screen printing press** that offers **incredible value for money**, with **pinpoint precision**. Available in **three standard print sizes**.

AC servo motors drive the print head for high torque fast smooth print strokes even at the slowest speed.

Pin Point registration of <+ 0.02mm, designed for the most challenging screen and digital printing.

Optional built in LED lights integrated into the print heads provide unmatched visibility of screens during set up and production.

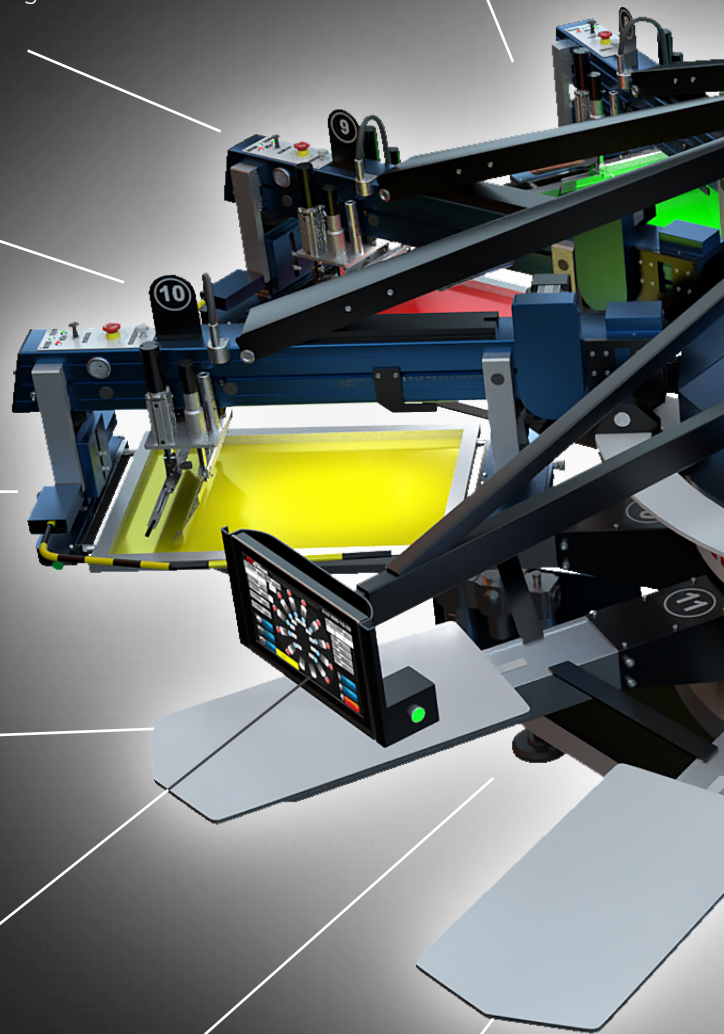Three-way front and rear micro screen adjustment for easy set up.

Standard high-grade lightweight aluminium pallets with unique tool free quick release system and CNC print arms with unmatched pallet level tolerances.

PLC controlled with HD touchscreen incorporating advanced features, simple set up and full machine self-diagnosis.

Auto start, stop, sample and rotovate flash programmes.

Strong and light custom extruded aluminium print heads and pallet arms gives the perfect strength to weight ratio.

Screen Printing Systems

The Adelco Cyclone is an automatic carousel textile screen printing press that offers high-speed printing. The Cyclone is based upon robust, heavy-duty foundations with bespoke lightweight aluminium extrusions and precision CNC parts are fitted with meticulous attention to detail. With its advanced control system, the Cyclone runs pinpoint accuracy at extreme speeds while still offering incredible value for money.

Using the latest advanced technology in textile screen printing, the Cyclone is designed for the most challenging screen printing, with pinpoint registration of <+-0.2mm. Optional built in LED lights integrate into the print heads to provide unmatched visibility of the screens during set-up and production. The Cyclone uses a rapid lock auto high-lift screen system that provides easy screen cleaning access and loading of flashes into any print head position.

Servo driven main drive gives a fast, smooth index providing speeds in excess of 1000 pieces per hour.

Individual horizontal screen lift at each print head – provides maximum ink stability, better screen visibility and faster loading times as pallets remain at a constant height.

Rapid lock high-lift screen system provides easy screen cleaning access and loading of flashes into any print head position.
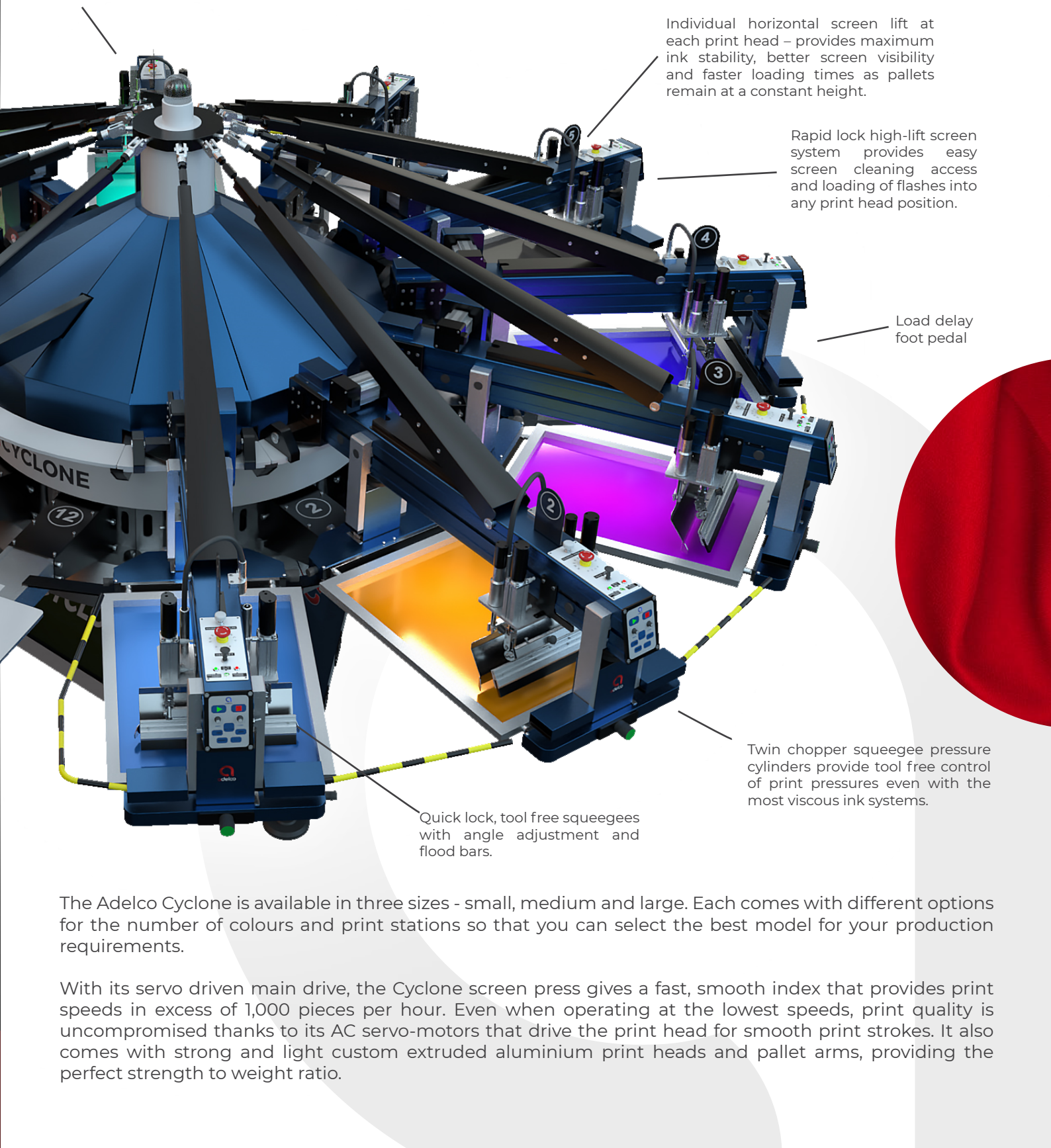
Load delay foot pedal

Twin chopper squeegee pressure cylinders provide tool free control of print pressures even with the most viscous ink systems.

Quick lock, tool free squeegees with angle adjustment and flood bars.

The Adelco Cyclone is available in three sizes - small, medium and large. Each comes with different options for the number of colours and print stations so that you can select the best model for your production requirements.

With its servo driven main drive, the Cyclone screen press gives a fast, smooth index that provides print speeds in excess of 1,000 pieces per hour. Even when operating at the lowest speeds, print quality is uncompromised thanks to its AC servo-motors that drive the print head for smooth print strokes. It also comes with strong and light custom extruded aluminium print heads and pallet arms, providing the perfect strength to weight ratio.

adelco CYCLONE — Specifications

Carousel - S Models

Model	No of Colours	No of Stations	Max Print Area	Max Screen Size	Diameter	Standard Pallet Size	Standard Sq/Fl Size	Air Supply 8bar (115psi)	Electrical Supply
CYA-6/8-4550	6	8	45x50cm (18"x20")	64x90cm (25"x35")	391cm (154")	47x72cmm (18.5"x28")	47cm	33m³/h (19cfm)	1P220V/6.8KW
CYA-8/10-4550	8	10	45x50cm (18"x20")	64x90cm (25"x35")	436cm (172")	47x72cmm (18.5"x28")	47cm	43m³/h (25cfm)	1P220V/8.3KW
CYA-10/12-4550	10	12	45x50cm (18"x20")	64x90cm (25"x35")	482cm (190")	47x72cmm (18.5"x28")	47cm	53m³/h (31cfm)	1P220V/9.8KW
CYA-12/14-4550	12	14	45x50cm (18"x20")	64x90cm (25"x35")	526cm (207")	47x72cmm (18.5"x28")	47cm	63m³/h (37cfm)	1P220V/11.3KW
CYA-14/16-4550	14	16	45x50cm (18"x20")	64x90cm (25"x35")	571cm (225")	47x72cmm (18.5"x28")	47cm	73m³/h (43cfm)	1P220V/12.8KW

Carousel - M Models

Model	No of Colours	No of Stations	Max Print Area	Max Screen Size	Diameter	Standard Pallet Size	Standard Sq/Fl Size	Air Supply 8bar (115psi)	Electrical Supply
CYA-8/10-5070	8	10	50x70cm (20"x28")	69x110cm (27"x43")	492cm (194")	52x92cmm (20"x36")	52cm	39m³/h (23cfm)	1P220V/8.3KW
CYA-10/12-5070	10	12	50x70cm (20"x28")	69x110cm (27"x43")	540cm (212")	52x92cmm (20"x36")	52cm	48m³/h (28cfm)	1P220V/9.8KW
CYA-12/14-5070	12	14	50x70cm (20"x28")	69x110cm (27"x43")	588cm (231")	52x92cmm (20"x36")	52cm	57m³/h (34cfm)	1P220V/11.3KW
CYA-14/16-5070	14	16	50x70cm (20"x28")	69x110cm (27"x43")	636cm (250")	52x92cmm (20"x36")	52cm	66m³/h (39cfm)	1P220V/12.8KW

Carousel - L Models

Model	No of Colours	No of Stations	Max Print Area	Max Screen Size	Diameter	Standard Pallet Size	Standard Sq/Fl Size	Air Supply 8bar (115psi)	Electrical Supply
CYA-8/10-6080	8	10	60x80cm (23.5"x31.5")	79x120cm (31"x47")	543cm (214")	62x102cmm (24"x40")	62cm	35m³/h (21cfm)	1P220V/8.3KW
CYA-10/12-6080	10	12	60x80cm (23.5"x31.5")	79x120cm (31"x47")	597cm (235")	62x102cmm (24"x40")	62cm	43m³/h (25cfm)	1P220V/9.8KW
CYA-12/14-6080	12	14	60x80cm (23.5"x31.5")	79x120cm (31"x47")	652cm (257")	62x102cmm (24"x40")	62cm	52m³/h (31cfm)	1P220V/11.3KW
CYA-14/16-6080	14	16	60x80cm (23.5"x31.5")	79x120cm (31"x47")	706cm (278")	62x102cmm (24"x40")	62cm	59m³/h (35cfm)	1P220V/12.8KW

Easily position
Flash Cures into
any print head

"My experience with Adelco has been fantastic and I would recommend Adelco and their products to anyone. I have known Mark a long time and would consider him a friend more than just a business contact. He is someone we can trust, honest to his word, and if he says he is going to do something he does.

- Jon Lunt, T Shirt & Sons. UK