



Ancillaries Catalogue



www.adelco.co.uk



adelco

Adelco Ancillaries Range

We offer a range of versatile textile ancillaries to complement our range of printing and drying systems.

Page

2:	General ancillaries
3:	Ink Processor
4:	Spyder II
4:	Exile V-Lux
5-6:	Manual Carousel
7-8:	Stretching solutions
9-10:	Coating systems
11:	Exposure Units
12:	Drying Equipment
13-14:	Screen Washing systems

adelco ANCILLARIES

adelco CYCLONE SEMI-AUTO



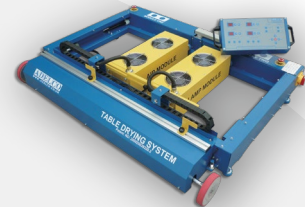
adelco TEMPERATURE MAPPING KITS



adelco PRE-REGISTRATION SYSTEM



adelco TABLE FLASH



adelco AUTO FLOCK UNIT



adelco FLOCK CLEANER



adelco HOT IRON

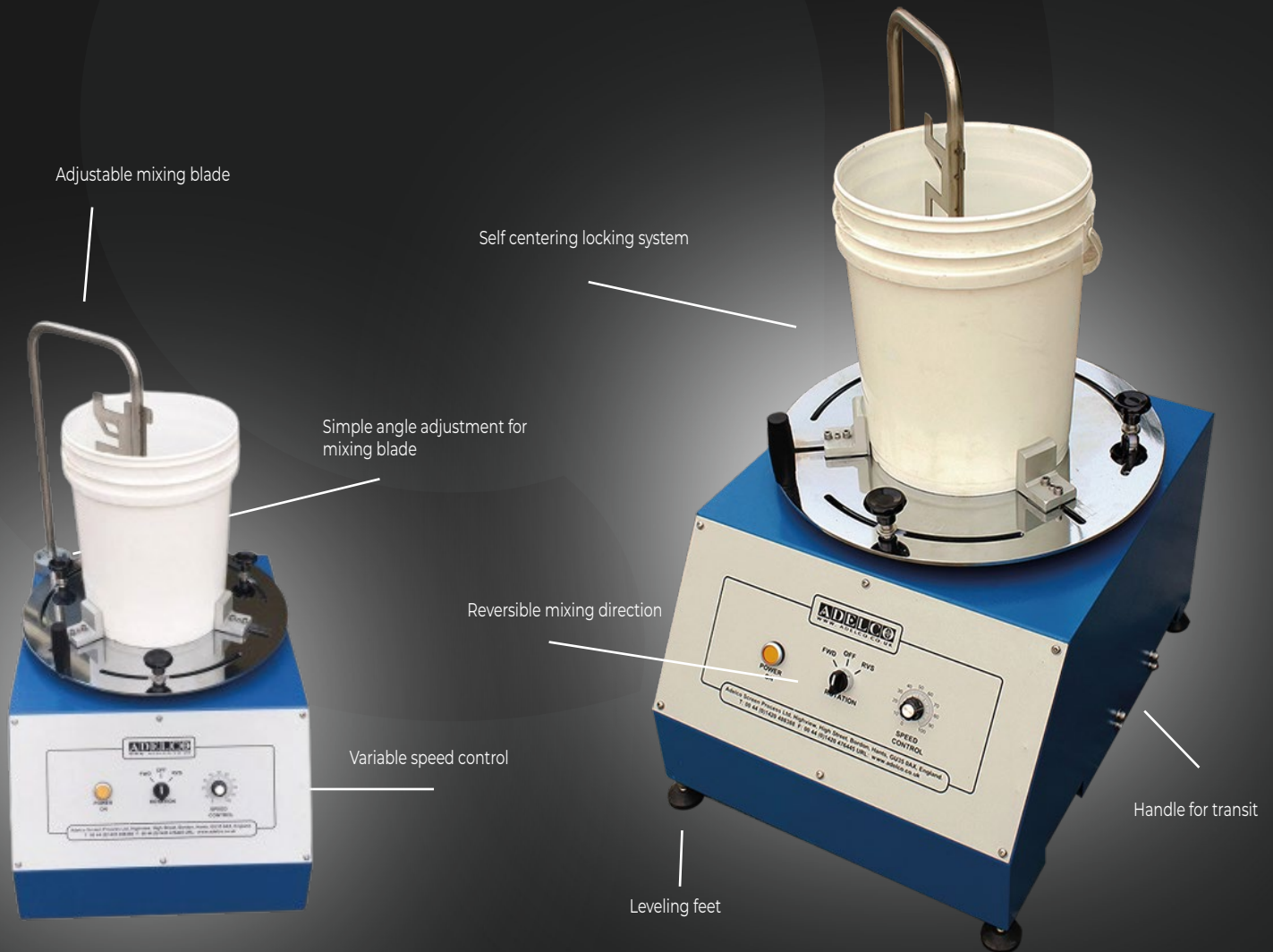


adelco HEAT PRESS STATION





adelco Ink Processor

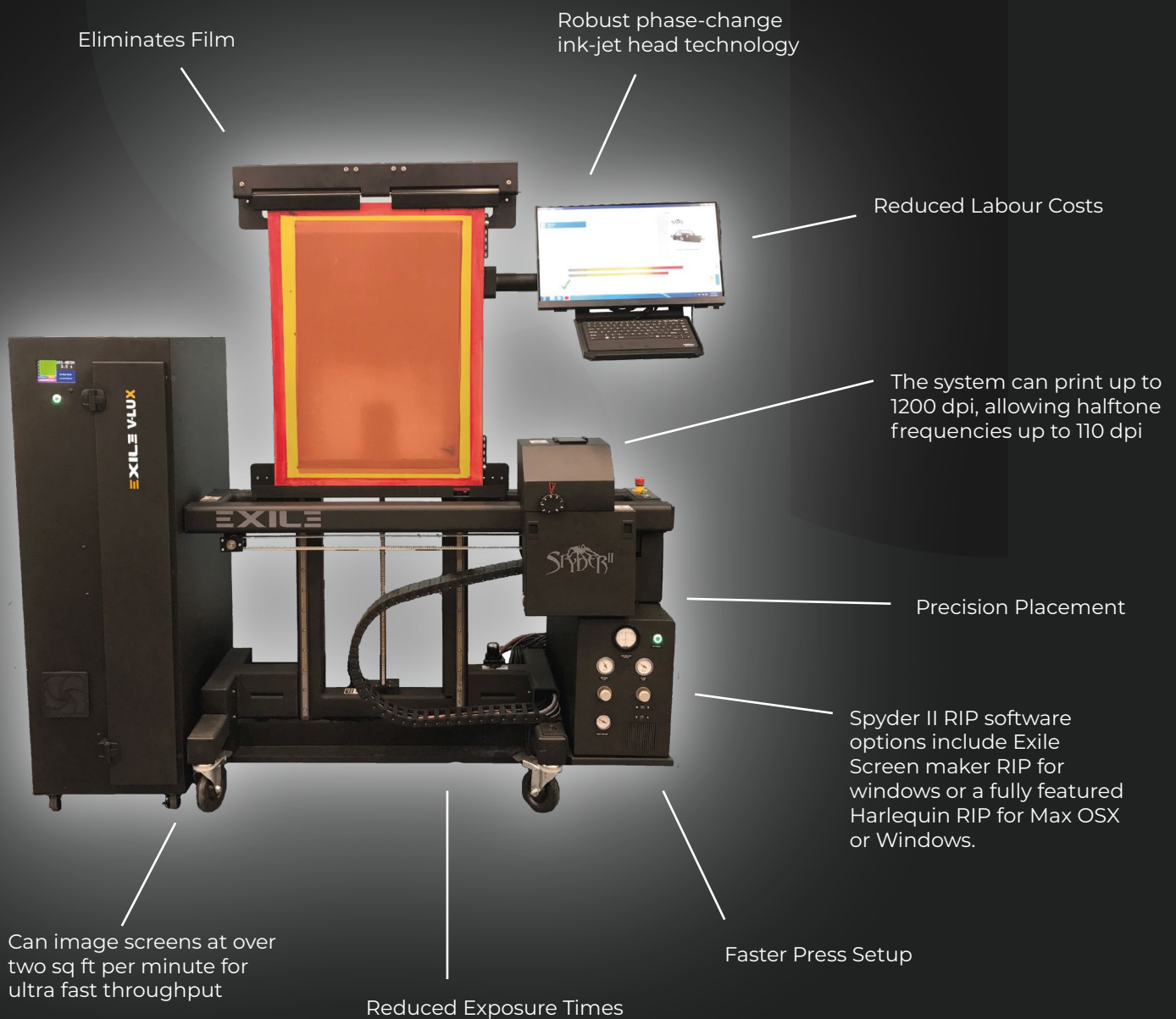


Features:

- ◆ C200 - 240V Single phase, 50 / 60 Hz, 0.2 amps
- ◆ Speed control range 0-80 RPM
- ◆ Easy change, angle adjustable stainless steel mixing blades.
- ◆ Suitable for viscous liquids.
- ◆ High torque AC motor and speed control.
- ◆ Mixing container range: 5 - 22 litres (1-5 gallons)
- ◆ Fast self centering clamping mechanism.
- ◆ Assembled dimensions (with paddles): L: 70 x W: 60 x H:92 cm
- ◆ Packed dimensions: L: 80 x W: 75 x H:60 cm
- ◆ Net weight 70KG, Packed weight 90KG

adelco SPYDER II

The **direct to screen system** offers a streamlined interface, increased speed, greater mechanical precision and production efficiency.



SUPPLIED BY adelco **V-LUX**

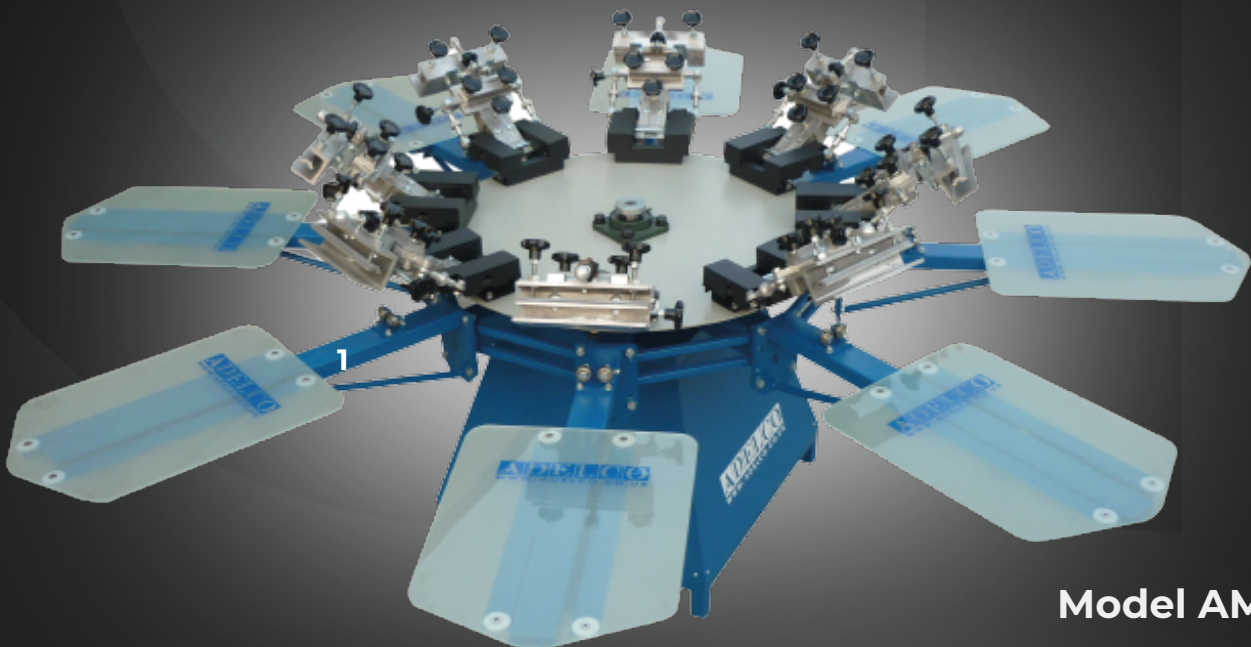
The V-Lux is a high powered, vertical free-standing UV Led exposure system built specifically to compliment the Spyder II computer to screen system.



adelco Manual Carousels

Adelco have combined tried and tested features with exceptional build quality to produce a range of carousels that offer the best features at a competitive price.

Available from 4 - 10 colour stations in three sizes.



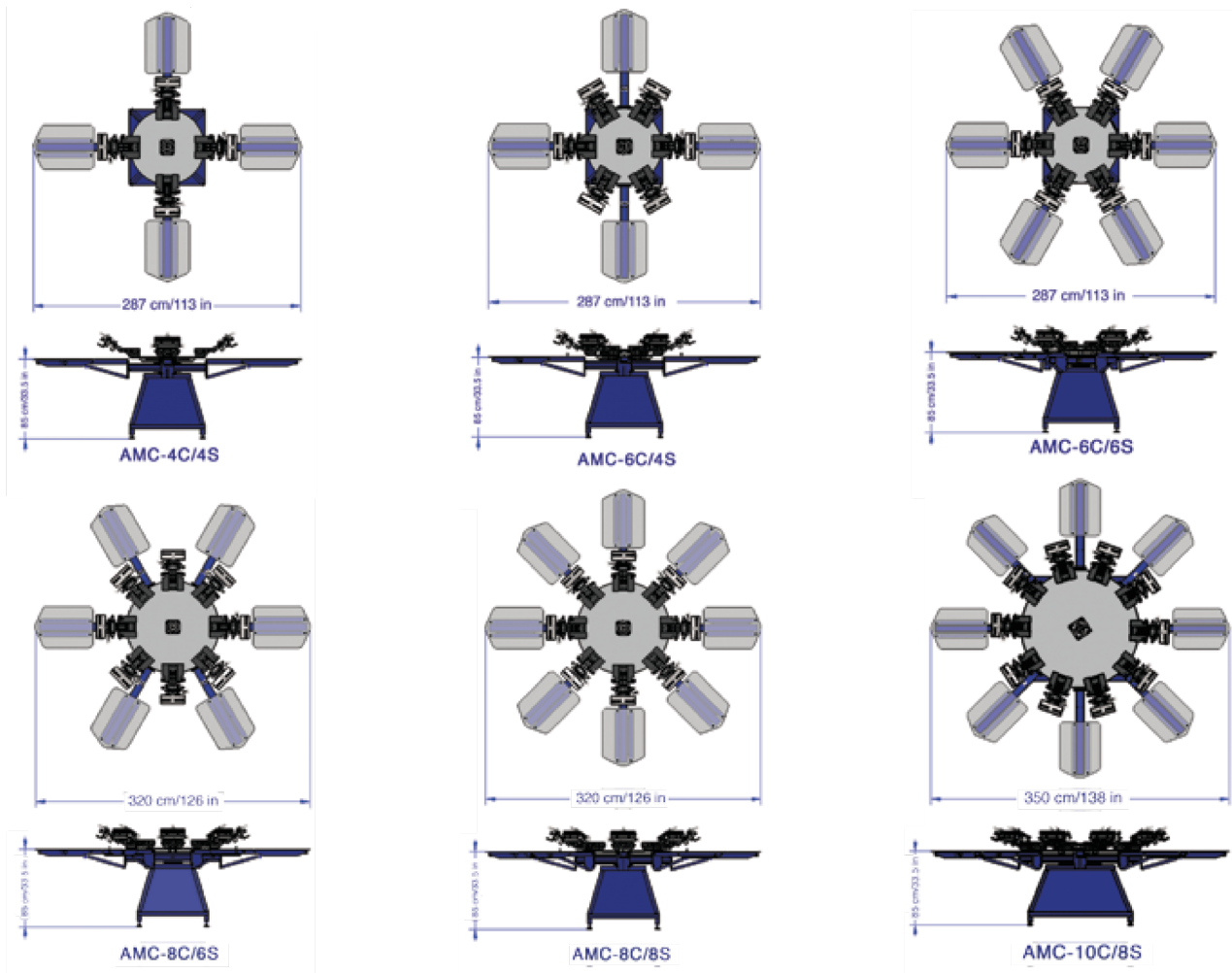
Model AMC8/8



Model AMC6/8

Features:

- ◆ Cast and machined aluminium print heads.
- ◆ Independent print head control including responsive micro screen registration adjustment, screen angle, screen height etc.
- ◆ Pre levelled print stations.
- ◆ Accurate bearing, head to pallet registration.
- ◆ Excellent value MDF or heat resistant Glass Pallet Options.
- ◆ 4, 6, 8, and 10 colour models.
- ◆ Standard single head down models or all head down models for multiple print operator use.
- ◆ Headless model - Replaces manual print tables used in textile piece printing.
- ◆ Easy self assembly packaging.



Model	Description	Diameter	Crate size (LxWxH)
AMC-4C / 4S	4 Colour, 4 Station	2870 mm	1.45 x 1.17 x 1.52 meters
AMC-6C / 4S	6 Colour, 4 Station	2870 mm	1.45 x 1.31 x 1.52 meters
AMC-6C / 6S	6 Colour, 6 Station	2870 mm	1.45 x 1.31 x 1.52 meters
AMC-8C / 6S	8 Colour, 6 Station	3200 mm	1.51 x 1.45 x 1.52 meters
AMC-8C / 8S	8 Colour, 8 Station	3200 mm	1.51 x 1.45 x 1.52 meters
AMC-10C / 8S	10 Colour, 8 Station	3450 mm	1.6 x 1.6 x 1.52 meters



adelco

Stretching Machine

Screen stretching machines, used for high tension screen stretching.

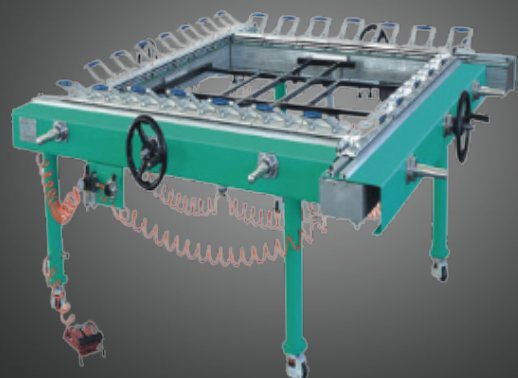
Suitable for different sizes of screen stretching, convenient and flexible. Adapt to different requirements of material tension.

Auto High Precision Stretching Machine - HT-1020EA-WZ



Electrical High Precision Stretching machine - HT-1020EM

Manual Stretching machine - HT-1515MS



Our Adelco's Stretching equipment is suitable for screen printing screen high precision photographic emulsion coating.

Auto High Precision Stretching Machine HT-1020EA-WZ

Application:

This series suitable for high precision and high tension screen plate making.

Features:

- Adopt servo motor stretching control system, all automatic working in stretching process.
- High and even stretching tension.
- Freely adjust length and width direction tension.
- Stretching platform lifting function.
- The merits of it are simple in use, electrical stem control during stretching process, direct operate as well as stable and smooth as the microelectrode being carried forward.
- Suitable for various mesh stretching, polyester, nylon, stainless steel material.
- Simultaneously stretch several big or more smaller size screen stretching.

Electrical High Precision Stretching Machine - HT-1020EM

Application:

This product is suitable for different sizes of screen stretching, can stretch one or more straight and inclined screens, no need to setting work platforms, operating convenient and flexible. Adapt to different requirements of material mesh tension, tension stepless adjustable, particularly suitable for high-precision and high tension screen plate making.

Features:

- The apparatus body 6.0MM steel using a hot plate bending shape, so that machine appliance operating performance of high strength, not easily deformed bend, to withstand high stretching force, up to 45N tension and no deformation.
- The use of high-strength screw heat treatment, gear, rack rails make the traveling guide, changed the traditional chain drive way, with imported motor, more stable operation; safety switch, safe and reliable.
- Use a single clamp balanced layering one fixture to avoid the key issues that arise when a lot of stretching (such as: mesh gap, tarpaulin mesh not fix folders, when stretching force, clamps with variation error, etc.).
- The device clamps pressing force of 3 times or more than the conventional clamps, each clamp pressure can reach 650kg / cm2 pressure (as normal is 200kg) and can be easily adjusted.
- The machine is equipped with four sides independent gear motors, electric control, symmetric stretch, using the speed regulator, the machine speed can be easily adjusted.
- The device with rotary and touch switch, easy and convenient manipulation, even a novice can manipulate quickly. Digital control throughout the stretching process, effectively guarantee the stability of stretching tension.
- Attached with gauze roll with retractable mounting bracket, no need pre-cut stretching mesh, saving time and labor, one time can simultaneously take control multiple stencils.

Manual Stretching Machine - HT1515MS

Application:

This mechanical screen stretcher series suitable for stretching various size screen, and can stretch several small size screens simultaneously.

Features:

- Improved type aluminum clamps with quality rubber, artistic and lasting.
- Tension Error margin is 0.6N/cm2
- Mesh stretching size can be arbitrary adjusted.
- Excellent quality and attractive design.
- The frame is light and firm.
- Strong clamping force is the main reason to decide the quality of net stretching and our product is beyond all others on the market.

Model	HT-1020EA-WZ	HT-1020EM	HT-1515MS
Working Table size	1500 x 3000 mm	1000 x 2000mm	Max frame size: 1000 x 1000 mm
Max Screen Size	1500 x 1500 mm x 2 EA	1000 x 1000mm x 2 EA	Min frame size: 400 x 500 mm
Power	X, Y & up/down - 1.5Hp x 1/ 30	X, Y & up/down - 1 /2Hp x 1/ 30	-
Tension Length	X - 0 - 1000m, Y - 0 - 1500mm Up/Down: 0 - 120mm	X - 0 - 1000m, Y - 0 - 500mm Up/Down: 0 - 120mm	-
Power Supply	380 (220)V x 3p x 5KW	380 (220)V x 3p x 4KW	200 KG
Working Pressure	-	-	0.4 ~ 0.7Mpa
Max Tension	-	-	35N

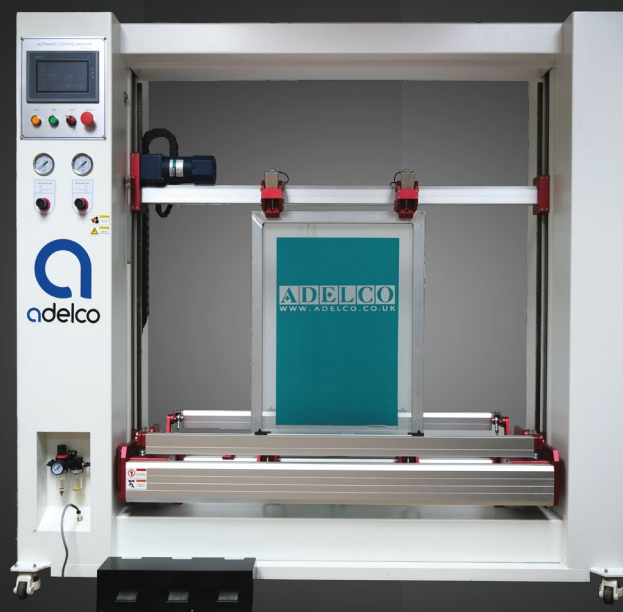


Coating Equipment

**Digital double sided automatic screen coating machine.
Suitable for printing high precision photographic
emulsion coating.**

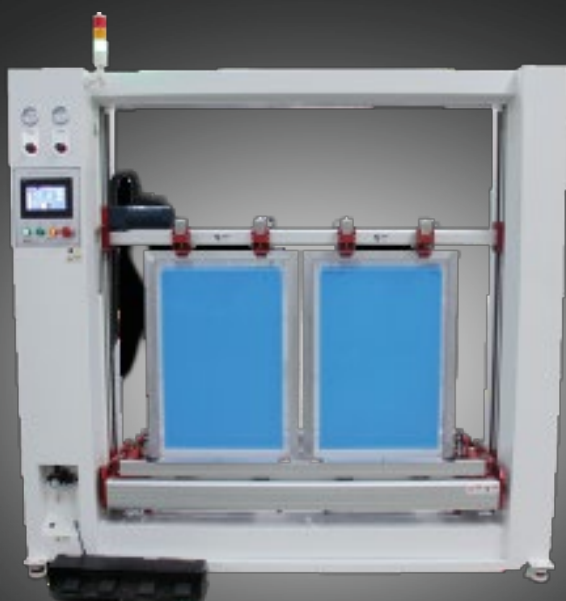
Auto Screen Coating Machine HC-1010AD

Used for screen emulsion coating.
Application: Static / Newman Roller
frame.
Coating Tolerance: $\pm 1\mu\text{m}$



Auto Double Screen Coating Machine HC-6510ADD

Used for stencil coating.
Driven: Mitsubishi servo motor
Coat capacity: one or two screens
Coating Tolerance: $\pm 1\mu\text{m}$



Adelco's coating equipment is suitable for printing screens with high precision, using photographic emulsion coating.



Advantages Adelco HC-1010AD/1313AD

- ◆ PLC programmable controller and HMI composition as the operating control system.
- ◆ With full automatic operation via touch-screen settings, ordinary plate-maker can be used to produce high-quality precision screens with ease.
- ◆ Fixing clamps / Unlock clamps set by a foot switch which controls the air pressure, easy to load and unload screens.
- ◆ Coating speed, coating time and a single, double-sided coating can be freely set.
- ◆ With pressure regulating function, the coating thickness can be controlled via a set number of application times and by applying pressure.
- ◆ When reaching the stop position, the machine would automatically slow down to 20mm near the frame, no need to fix the screen with extra edges.
- ◆ The use of rail steel with special low vibration creates a ripple-free coating process.
- ◆ The operating system comes with multi-languages, multiple coating patterns, and detailed parameter settings.
- ◆ Special corrosion-resistant treatment aluminum scoop coater, with no clearance with the coating structure, maintains a stable emulsion coating.

Advantages Adelco HC-6510ADD

- ◆ Servo motor + PLC programmable controller and HMI composition as the operating control system.
- ◆ Fully automatic operation via touch-screen settings, an ordinary plate-maker can easily produce high-quality precision screens.
- ◆ Fixing clamps / Unlock clamps can be set by a foot switch that controls the air pressure, allowing for easy loading and unloading of screens.
- ◆ The coating speed, coating time and a single, double-sided coating can be freely set.
- ◆ With the pressure regulating function, the coating thickness can be controlled via a set number of application times and applying pressure.
- ◆ When reaching the stop position, the machine will automatically slow down to 20mm near the frame, no need to fix the screen with extra edges.
- ◆ Use of rail steel with special low vibration allows for a ripple-free coating process.
- ◆ The operating system comes with multiple languages (Chinese/English/Korea), multiple coating patterns, and detailed parameter settings.
- ◆ Special corrosion-resistant treatment aluminum scoop coater, with no clearance with the coating structure, maintains a stable emulsion coating.
- ◆ The Servo motor keeps coating accuracy to $\pm 1\mu\text{m}$.
- ◆ Two screens being coated at one time is optional.

Specification	Adelco HC-1010AD	Adelco HC-1313AD	Adelco HC-6510ADD
Max frame size (mm)	1000 x 1000	1300 x 1300	Two 508 x 609.6, 584.2 x 787.4, 635 x 914.4
Min frame size (mm)	400 x 400	400 x 400	400 x 400
Max coating area (mm)	880 x 880	1180 x 1180	Two 650 x 1000
Min coating area (mm)	200 x 200	200 x 200	200 x 200
Longest coater length	880 mm	1180 mm	650 mm
Shortest coater length	200 mm	200 mm	200 mm
Coating thickness	15 - 35 mm	15 - 35 mm	15 - 35 mm
Coating precision	± 0.001 mm	± 0.001 mm	± 0.001 mm
Coating time	Front and back side 0 - 999 times	Front and back side 0 - 999 times	Front and back side 0 - 999 times
Coating time setting	Four process time free set	Four process time free set	Four process time free set
Coating pressure	2 - 6 kg / cm ² adjustable	2 - 6 kg / cm ² adjustable	2 - 6 kg / cm ² adjustable
Coating speed	5 - 150 mm/sec	5 - 150 mm/sec	5 - 150 mm/sec
Operating system	HMI +PLC	HMI +PLC	HMI +PLC
Frame Fixing	Foot switch quick fixed	Foot switch quick fixed	Foot switch quick fixed
Air Pressure	6 kg/cm ²	6 kg/cm ²	6 kg/cm ²
Equipment weight	400 KG	600 KG	500 KG
Power	220V x 1ph x 1KW 415V *3PH	220V x 1ph x 1KW	220V x 1ph x 1KW
Dimensions	W: 1876 x D: 614 x H: 1780 mm	W: 2076 x D: 614 x H: 2056 mm	W: 2076 x D: 614 x H: 2056 mm
Packing Size (L x W x H)	1950 x 690 x 1980mm	2260 x 850 x 2200mm	2260 x 850 x 2200mm

adelco **Exposure Units**

Adelco's exposure units are suitable for high precision screen plate exposure.

**Horizontal self contained exposure units -
3.5KW (Hg 3KW lamp) - HE-1113G
480W (LG LED lamp) - HE-1416LED**



Embossing aluminum to make sure light even distribution.

Equipped with vacuum pressure regulating valve, easy to operation.

Radiation sensor to ensure accurate operation.

adelco **Drying Equipment**

Adelco's screen drying cabinets are suitable for drying stencil inplate making process, rinsing, emulsion coating and after screen washing.

Vertical Screen Drying Cabinet HD-1010FV



Vertical drying cabinet, used for drying after emulsion coating and washing in screen plate making.

- ◆ PID temperature control allows constant temperature distribution.
- ◆ Down-to-up circulation of hot air maintains constant temperature distribution.
- ◆ Stainless material prevents internal corrosion and allows long durability.
- ◆ Has a container at the bottom part, easy to clean.

Horizontal Screen Drying Cabinet HD-1010FL



Horizontal drying cabinet, used for drying after emulsion coating and washing in screen plate making.

- ◆ PID temperature control system and time relay keep consistent temperature distribution.
- ◆ Compact construction method creating ideal handling conditions.
- ◆ Horizontal drying of wet or coated screens with hot air circulation.
- ◆ 5 drawers smoothly running in ball-bearing slides, with end stop.
- ◆ Several screen frames can be placed next to each other into the drawers.

Specification	Adelco HD-1010FV	Adelco HD-1010FL
Max frame size (mm)	1200 x 1000	800 x 1000
Min frame size (mm)	200 x 200	-
Partition quantity	10 Space	5 EA
Screen quantity	10 EA	-
Drying method	Hot air circulation	Hot air circulation
Heater	Heating tube	Heating tube
Temperature control	P.I.D.	P.I.D.
Temperature range	Room -80°C	Room -80°C
Power	7.5KW	-
Electric source	380V x 3ph x 8KW	220V x 1P x 3KW
Dimensions	L: 1213 x W: 1440 x H: 1815 mm*	1000 x 12000 mm
	*Can be customised for clients frame size	



adelco

Screen Washing Solutions

Adelco's automatic and manual Screen washing rinsing and developing machines.

Auto Screen Washing & Developing Systems - HW-1010AL

Suitable for high precision screen plate making with automatic washing and developing.



Manual Screen Wash-out booth - HW-1010M

Manual screen wash-out booth, comes with a backlight and high-pressure water jet

Adelco's Screen Washing solutions are suitable for screen stencil emulsion washing and screen image developing and screen washout in pre and post press screen cleaning process.



Advantages Adelco HW-1010AL

Fully automatic screen rinsing, uniform washing, washing pressure, time, speed, cycle times can be adjusted, and the running speed is stable.

The combination of large-flow high-pressure water pump and fan-shaped nozzle, double-sided synchronous high-pressure spray, and the spray system is stable.

The body is made of stainless steel 304 thick structure, no corrosion, durable.

The screen size can be adjusted freely within the maximum range (the maximum range size is based on customer requirements).

The washing stroke, pressure, times, moving speed and other related parameters can be set freely on touch screen.

The spray water pressure is 3-10Kg, the control display can be adjusted as needed, the linear track is air-dried, the speed is 6m/min, and the screen water droplets are quickly dried.

The memory function can be stored, which is convenient to use and operate. Compared with manual operators, the experience and proficiency requirements are greatly reduced, the overall processing cost is reduced, and can meet the requirements for screen printing of various specifications.

There is no water mist in the whole process, and the working environment is clean and tidy.

Advantages Adelco HW-1010M

Manual screen washout booth with back light and high pressure water jet, manual stencil washer, screen frame cleaning

- ◆ 1. 304 stainless steel make the machine anti dust and anti corrosion.
- ◆ Back light system provides enough light to check whether the washout effect is good on the screen.
- ◆ High pressure water pump and spray gun is matched with this machine.
- ◆ Assembled water tank at its bottom.
- ◆ Easy to move and operate.

Specification	Adelco HW-1010AL	Adelco HW-1010M
Max frame size (mm)	1200 x 1000	1100 x 1000
Function	Screen emulsion washing and screen image developing.	-
Nozzle	SUS nozzle: 20	-
Nozzle Moving	Cross and up - down	-
Machine Material	304 stainless steel	-
Internal piping material	Corrosion resistance and anti rust	-
Water Pump	Lift 65m Pressure: 3-10 KG/cm ²	1 Hp High Pressure
Motor	5KW	-
Power	380V / 220V 3 phase 6KW	220(380) V X 1p X 1kW
Weight	Approx 800KG	-
Dimensions	W2645*D1250*H2580mm	1500 X 800 X 1870mm
	Can be customised for clients frame size	Can be customised for clients frame size



www.adelco.co.uk

UK Unit 18 Highview, Highstreet, Bordon, Hants., England, GU35 0AX

Tel: +44(0)1420 488 388

Fax: +44(0)1420 476 445

CHINA No. 445, Wangshi Road, Lujia, Kunshan, 215300, China

Tel: +86(512)5747 0308

