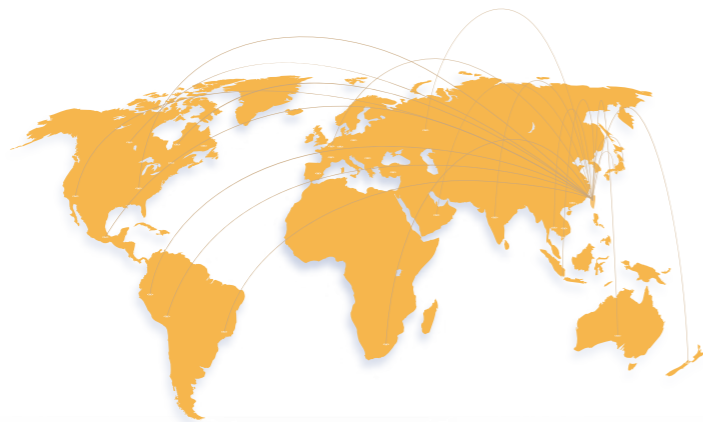# Flat Panel Display Screen Printer

■ **Taiwan Headquarter**

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ATMA
東遠精技工業股份有限公司
ATMA CHAMP ENT. CORP.

SPS®
PrintingSystems

German Technology ATMA® Perfection

Committed To Top Quality

ATMA®

INDEX

Innovative Value, Outstanding Excellence

ATMA deeply cultivated in Research and Development for screen printing technology over 30 years, granted innovative leadership in the industry with excellent reputation and continuous appraisal. Acquired countless domestic and overseas awards for product design, achieved more than 100 patents in Taiwan and overseas from entry-level Manual Screen Printing Table to upscale Opto-electric Fully Automatic Screen Printer.

Further research to develop Solar Cell Screen Printer, always leading to the extreme research and development of screen printing, conducts the trend of technology to serve as a role model of learning in the industry.

Wide range of products, screen printing is linked up with our daily life, applied in the Communication, Computer products, Opto-electronics technology, Solar Energy, etc. and other diverse of professional areas.

▲ Future ATMA Headquarter

[Vision]

Professional Innovation
Aiming to achieve benchmark enterprise of foremost global screen printing technology

[Mission]

- Leading printing technology to create the trend of fully automatic, least-man, unmanned production.
- People-oriented is the core value, providing a learning environment to partners attaining self-value
- Thorough development in Taiwan, global operations, sustainable management toward to harmony and happiness enterprise

[Awards]

- Achieved Patent of Invention from USA, Taiwan, China, UK, and more than 100 of new patent from many different countries
- Awarded "Taiwan Excellence" continuously for years, accumulated more than 80 different models

[Company Profile]

Founded: 25thJuly, 1979
Presdient: Mr. T.C. Chen
Capital: USD 6.9 Million
Factory Area: 15,000 m^2
Employee: 400
Certifications: ISO 9001, ISO 14001, CE

Trust!

Applied screen printing into living, creates unlimited possibility

Applications on Flat Display

Suitable for Cover Lens, Cover Glass, Touch Panel, ITO film, OGS Panel, LGP Panel, EL Plate, LCD TV Anti-reflection Tempered Glass, Biotech film, etc. high-tech industrial printing process.

[MANAGEMENT PHILOSOPHY]

誠　　信　　勤　　和

SINCERITY
Treating people with sincerity

TRUST
Running business with trust

DILIGENCE
Practicing work with diligence

HARMONY
Handling matters with harmony

ATMA®

AT-25PA / AT-45PA

Digital Electric Flat Screen Printer

Suitable for semi-automatic screen printing on small size glass, such as Tableware Glass, Decorative Glass, Lighting Decorative Glass etc.

AT-25PAD (4I)
AT-45PAD (2I)

Digital Electric Index Flat Screen Printer

Suitable for fast printing on various types of small product, such as Cover Lens for smart phone, Electric Components, Ceramic Substrate, etc.

- Motor driven transmission, energy efficiency, operated with small volume air source.
- Servo motor driven printing stroke, stable motion and precise positioning
- Facilitate to adjust squeegee angle / depth / leveling / printing pressure
- Digital control HMI, versatile function, easy operation
- Intensive protection with adding safety bar, safety pressing plate, E-stop switch, error diagnosis

- Individual fixture with micro adjustment to facilitate quick alignment
- Servo motor driven printing stroke, stable motion and precise positioning
- Facilitate to adjust squeegee angle / depth / leveling / printing pressure
- Adopt Filter + Regulator unit to avoid contamination of oil mist emission
- Display error message on touch-screen to guide trouble shooting quickly

(Depth x Width)	AT-25PA	AT-45PA
Table size (mm)	250 x 400	400 x 600
Max printing area (mm)	200 x 250	300 x 450
Max frame O/D size (mm)	380 x 520	500 x 720
Substrate thickness (mm)	0 - 50	0 - 50
Productivity (non-stop full stroke full speed)	780 P/H	720 P/H
Power source	1Φ, 220V,50/60Hz	
Power consumption (kW)	1.24	1.24
Air source pressure (kg/sqcm)	5 - 7	5 - 7
Air exhaustion (L/minute)	6.91	6.91
Machine dimension (mm, WxDxH)	810x700x1600	1000x770x1600
Machine weight (kg)	190	245

Revision may not be notified if any change

(Depth x Width)	AT-25PAD (4I)	AT-45PAD (2I)
Table size (mm)	140 x 250	200 x 400
Max printing area (mm)	140 x 250	200 x 400
Max frame O/D size (mm)	320 x 530	320 x 730
Substrate thickness (mm)	0 - 150	0 - 150
Productivity (non-stop full stroke full speed)	960 P/H	900 P/H
Power source	1Φ, 220V, 50/60Hz	
Power consumption (kW)	1.79	1.79
Air source pressure (kg/sqcm)	5 - 7	5 - 7
Air exhaustion (L/minute)	6.91	6.91
Machine dimension (mm, WxDxH)	810x980 x1600	1000x980 x1600
Machine weight (kg)	270	310

Revision may not be notified if any change
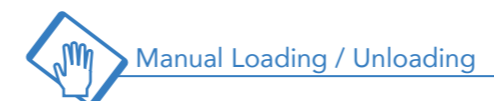
Committed To Top Quality

ATMA**GP** 20PPS

Single CCD Center Registering Screen Printer for Cover Lens

Specialized in automatic center registering for high precise printing on cover lens without fiducial mark, i-watch

- Customized table, grooves are made in according to substrate size and zero off-contact height printing, quick loading and positioning.
- 3 sets servo motor driven registration platform, use image identification to control table displacement volume, accuracy of visual registering system attains ± 5μm
- Equipped with single CCD camera to view full area registration, work distance attains 176.5 mm.
- Adjustable angle safety raster and E-stop switch are located in front of shuttle table

(Depth x Width)	ATMAGP 20PPS
Table size (mm)	350 x 400
Max printing area (mm)	115 x 165
Max frame O/D size (mm)	400 x 600
Substrate thickness (mm)	0.3 - 2.0
Productivity (non-stop full stroke full speed)	550 P/H
Power source	3Φ, 220V/380V, 50/60Hz
Power consumption (kW)	2
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	29
Machine dimension (mm, WxDxH)	1050 x 1250 x 1780
Machine weight (kg)	410

Revision may not be notified if any change

ATMA**GP** 25PP

CCD Center Registering Screen Printer for Cover Lens

Specialized in automatic center registering for high precision printing cover lens without fiducial mark

- Screen up down fast and stable, registration accuracy is ±0.05 mm
- 3 sets servo motor driven registration platform, identify image to control table displacement volume, accuracy of visual registering system attains ± 5μm
- Use silent vacuum to hold position, ensure the registered position does not displace upon sliding table movement or printing
- HMI digitalized control, 100 groups of memory module, versatile function
- Enclosed with auto error diagnosis system, E-stop switch, etc. for intensive protection

(Depth x Width)	ATMAGP 25PP
Table size (mm)	350 x 350
Max printing area (mm)	160 x 110
Max frame O/D size (mm)	350 x 500
Substrate thickness (mm)	0.3 - 2
Productivity (non-stop full stroke full speed)	550 P/H
Power source	3Φ, 220V/380V,50/60Hz
Power consumption (kW)	1.5
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	54
Machine dimension (mm, WxDxH)	1050 x 1250 x 1680
Machine weight (kg)	405

Revision may not be notified if any change

Committed To Top Quality

Manual Loading / Unloading

Manual Loading / Unloading

Tray Loading/Unloading	Vacuum Pad Transit

ATMATIC
45PAD/T

Fully Automatic Cover Lens Screen Printer (Tray Carrier)

Specialized in automatic screen printing on cover lens for smart phone

▼ Anti-dust cover (option)

- Manual loading on tray, mechanism automatic sending out the tray to process feeding, correcting, printing, unloading and reclaiming tray
- Index rotary processing synchronous printing, feeding and unloading to raise productivity
- Fastest printing productivity to achieve 900 pph
- Equipped with tacky roller to clean substrate
- Adding full protective shield to prevent dusts influence printing process to lower defective rate
- Enclosed E-stop switch at front / back side, full shield dust-proof, intensive safety protection

(Depth x Width)	ATMATIC 45PAD/T
Table size (mm)	200 x 400
Max printing area (mm)	150 x 200
Max frame O/D size (mm)	400 x 700
Substrate thickness (mm)	0.5 - 1.1
Productivity (non-stop full stroke full speed)	900 P/H
Power source	3Φ, 380V, 50/60Hz
Power consumption (kW)	3
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	31.4
Machine dimension (mm, WxDxH)	2050 x 1800 x 2070
Machine weight (kg)	1030

Revision may not be notified if any change

Committed To Top Quality

Auto Auto Loading / Unloading

Standard Flow
Left-IN, Left-OUT

Cassette Loading/Unloading | Belt Transit

ATMALINE
CL30 (D)

Fully Automatic Cover Lens Screen Printing Line

Specialized in automatic center registering high precision printing Black Matrix, IR, Icon, Logo, Glue Mask, etc. on cover lens without fiducial mark

Dual Line

- Adjustable cassette, divided into two zones to store 100 pcs, according to glass size can make self-adjustment, particular cassette material to resist weak acid-base and resistanttemperature 180°C
- Fast dispatching from feeder, internal consisted of temporary stacker and cassette preparation area, sustained supply to cassette and uninterrupted providing material to printer fast and stable processing
- Printing head with two sections up down control, first section short stroke (printing purpose), second section long stroke (exchange squeegee /flood coater purpose)
- High productivity to achieve 2000 pph
- Screen frame alignment adopts two groups of 3 servo motor to control X/Y/θ visual registration system to achieve accuracy ± 3μm
- Enclosed E-stop switch, screen cleaning button, safety raster, etc. for intensive protection
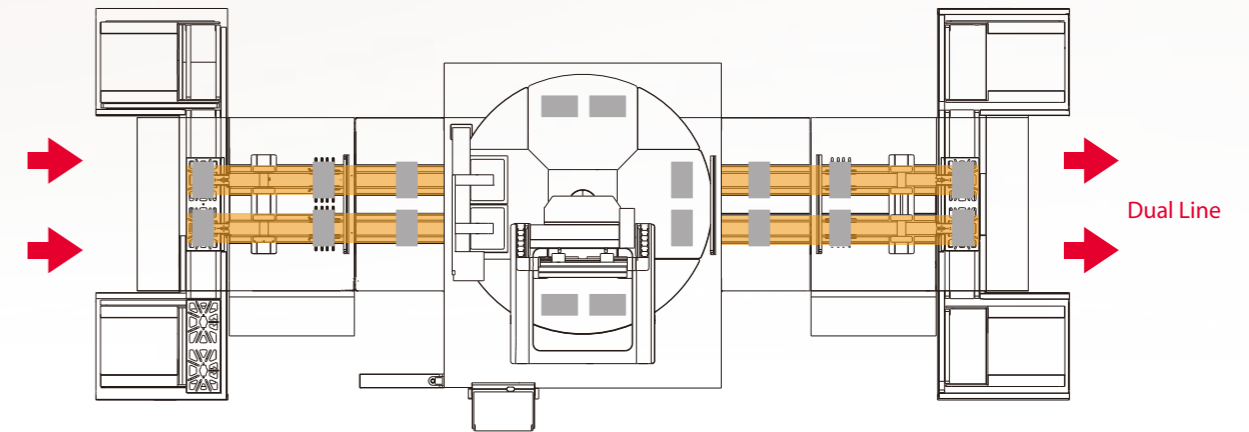
(Depth x Width)	ATMALINE CL30(D)
Table size (mm)	550 x 630
Max printing area (mm)	150 x 210 (3.5" - 7")
Max frame O/D size (mm)	650 x 750
Substrate thickness (mm)	0.55 - 1.1
Productivity (non-stop full stroke full speed)	2000 P/H
Power source	3Φ, 220V/380V,50/60Hz
Power consumption (kW)	8
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	70
Machine dimension (mm, WxDxH)	5660 x 2260 x 2063
Machine weight (kg)	4010

Revision may not be notified if any change

Committed To Top Quality

Auto — Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

AT-60PD / AT-70PD
Digital Electric Flat Screen Printer

AT-80P
Electric Flat Screen Printer

Suitable for high precise screen printing on various flat film / slice / thin panel, such as Membrane Switch, Tablet Panel, Flexible Printed Circuits (FPC), Light Guided Panel (LGP), etc.

- PLC control, selectable six printing cycle mode to satisfy with diverse printing requirement
- Robust coupled frame holder design, strong structure suitable for high pressure printing
- Exchangeable English and Chinese language display, digitalized control, quick selection, setting and retrieve
- Display error message on touch-screen, explicit guidance quick trouble shooting
- Equipped with peel-off device to avoid mesh sticky while printing

Option
☐ Dripless Squeegee ☐ Registration Pin

(Depth x Width)	AT-60PD	AT-70PD	AT-80P
Table size (mm)	500 x 700	700 x 800	700 x 900
Max printing area (mm)	405 x 600	600 x 700	600 x 800
Max frame O/D size (mm)	700 x 950	900 x 1050	900 x 1100
Substrate thickness (mm)	0 - 120	0 - 120	0 - 25
Productivity	600 P/H	570 P/H	570 P/H
(non-stop full stroke full speed)			
Power source	3Φ, 220V/380V, 50/60Hz		
Power consumption (kW)	1.54	2.7	2.4
Air source pressure (kg/sqcm)	5 - 7	5 - 7	5 - 7
Air exhaustion (L/minute)	15.34	20.16	20
Machine dimension	1300 x 1060 x 1600	1400 x 1180 x 1620	1500 x 1300 x 1700
(mm, WxDxH)			
Machine weight (kg)	485	593	685

Revision may not be notified if any change
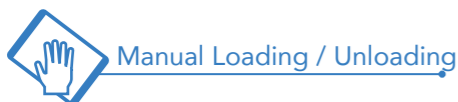
ATMAGP 30PP
ATMAGP 50PP
CCD Center Registering Screen Printer for Tablet Panel

Suitable for center registering high precision printing on glass panel without fiducial mark

- Fast and stable screen up down, precise positioning ±0.05 mm
- Three sets servo motor driven registration platform, identify image to control table displacement volume, accuracy of visual registering system attains ± 5 μm
- Use silent vacuum to hold position, ensure the registered position does not displace upon sliding table movement or printing
- Particular material for vacuum cup to avoid vacuum trace and scratching, finish printing automatic unloading to save time and labor
- Enclosed automatic error diagnosis, E-stop switch, etc. for intensive protection

(Depth x Width) ATMAGP	30PP	50PP
Table size (mm)	380 x 460	430 x 650
Max printing area (mm)	300 x 200	300 x 400
Max frame O/D size (mm)	500 x 700	700 x 900
Substrate thickness (mm)	0.3 - 2.0	0.3 - 2.0
Productivity	480 P/H	420 P/H (take-off)
(non-stop full stroke full speed)	3Φ, 220V/380V,50/60Hz	
Power source	1.5	1.85
Power consumption (kW)	5 - 7	5 - 7
Air source pressure (kg/sqcm)	85	120
Air exhaustion (L/minute)	1600 x 1360 x 1680	1900 x 1730 x 1820
Machine weight (kg)	485	620

Revision may not be notified if any change

TAIWAN EXCELLENCE

Committed To Top Quality

Manual Loading / Unloading

Manual Loading
Auto Unloading

Cassette Loading/Unloading | Belt Transit

ATMALINE
CL50

Fully Automatic Tablet Panel Screen Printer

Specialized in automatic center registering for high precision printing Black Matrix, Silver Line, Photoresist, Front / Back side Glue Mask, IR, Icon, Logo onto tablet glass panel without fiducial mark

Cassette Feeder | CCD Registering | Automatic Tablet PanelScreen Printer | Diverter | IR Dryer | Concourse | Cassette Unloader

- Fully automatic screen printing production line design, whole line is consisted of cassette feeder, automatic tablet panel printer, AOI automatic optical inspection, diverter + inspection disqualified buffer, IR dryer, concourse + inspection disqualified buffer, cassette unloader.
- Whole line is covered by full shield dustproof, assure printing yield rate.
- Screen registration adopts 4 sets servo motor to control X/X/Y/Y four axis, use image visual system automatic control screen micro-adjustment, accuracy of registration system attains ± 3 μ m
- Dual line synchronous processing, adding diverter, concourse to raise printing productivity
- AOI inspects mainly item : toothed pin hole, stain, printing deviation, etc.

(Depth x Width)	ATMALINE CL50
Table size (mm)	500 x 600
Max printing area (mm)	300 x 400 (7" - 14")
Max frame O/D size (mm)	200 x 900
Substrate thickness (mm)	0.55 - 1.1
Productivity (non-stop full stroke full speed)	550 P/H
Power source	3Φ, 380V,50/60Hz
Power consumption (kW)	22 (IR Dryer 160kW)
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	80
Machine dimension (mm, WxDxH)	13910 x 2686 x 2060
Machine weight (kg)	2170

Revision may not be notified if any change

TAIWAN EXCELLENCE

Committed To Top Quality

Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

ATMAOE
56 / 67 / 710

Opto-electronic High Precision Screen Printer (G7)

Suitable for high precision printing on flat film / sheet / thin plate, such as Electro Luminescent, Light Guided Panel, Diffusor, Touch Panel, Flexible Printed Circuits, Biotech, ITO conductive glass, etc. (automatic take-off is suitable for thin filmsubstrate)

TAIWAN EXCELLENCE

- Servo motor driven, strong printing torque, full stroke extreme stable motion
- Squeegee / flood coater with digital equalizing pressure control, assure printing uniform layer accuracy
- Servo driven synchronous peel-off, automatic calculating speed and peel-off height to avoid mesh sticky
- 100 groups of memory can be named and numbered individually, quick save and retrieve to facilitate different processing standardized management
- Four-post synchronous locking system ensures printing stability.

Option

☐ CCD auxiliary registering monitor system
☐ Dripless squeegee
☐ Retractable pneumatic registration pin
☐ Up down conveyor device
☐ Cleaning roller
☐ Anti-static eliminator

(Depth x Width)	ATMAOE 56	ATMAOE 67	ATMAOE 710
Table size (mm)	700 x 800	800 x 900	950 x 1250
Max printing area (mm, standard)	440 x 500	600 x 660	700 x 800
(enlarge)	500 x 600	600 x 740	760 x 1060
Max frame O/D size (mm)	950 x 950	1100 x 1100	1200 x 1400
Substrate thickness (mm)	0.1 - 30	0.1 - 30	0.1 - 30
Productivity (non-stop full stroke full speed)	660 P/H	540 P/H	510 P/H
Power source	3Φ, 220V/380V, 50/60Hz		
Power consumption (kW)	3.5	4.1	4.1
Air source pressure (kg/sqcm)	5 - 7	5 - 7	5 - 7
Air exhaustion (L/minute)	31	26	24
Machine dimension (mm, WxDxH)	1500 x 2150 x 1450	1650 x 2420 x 1450	1950 x 2700 x 1450
Machine weight (kg)	870	1120	1150

Revision may not be notified if any change

Committed To Top Quality

Manual Loading / Unloading

or

Auto

Manual Loading
Auto Unloading
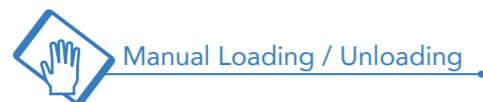
ATMA**OE**
MF44 / MF66 (1)

Visual System Auto-alignment Screen Printer

Suitable for precise printing on small size of capacitive touch screen, ITO conductive glass, ITO conductive thin film, EL board etc.

▼ Anti-dust cover (option)

- More economic model for customers' various choice.
- Four-post model with pneumatic locking system to assure parallelism between printing stroke and table.
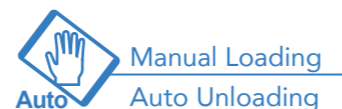- Printing table is made by thick alloyed aluminum plate with high precision tooling process and HAZ treatment for scratch on substrate.
- Adopted advanced PLC to collaborate with each transmission/control system, I/O points are reserved for connection with upstream and downstream equipments.
- Equipped diagnose circuit, auto restoration, E-stop button and, alarm light etc. for comprehensive protections.

Option

☐ Dripless squeegee
☐ Anti-dust cover
☐ Auto ascent registration pin
☐ Cleaning roller device

(Depth x Width) ATMAOE	MF44	MF66 (1)
Table size(mm)	460 x 600	750 x 750
Max. printing area(mm)	400 x 400	610 x 610
Max. frame O/D size(mm)	750 x 850	1100 x 1100
Substrate thickness (mm)	0.05 - 1.0	0.3 - 6.0
Max. capacity (P/H, full speed full stroke)	570 P/H	450 P/H
Power source	3Φ 220V/380V,50/60Hz	
Power consumption (kW)	3	4.3
Air source pressure (kg/cm^2)	5 - 7	5 - 7
Air consumption (L/cycle)	8	25
Dimension (mm, WxDxH)	2030 x 1280 x 1930	2700 x1700 x 1900
Weight (kg)	850	1610

Revision may not be notified if any change

Committed To Top Quality

Manual Loading / Unloading

Standard Flow
Left-IN, Left-OUT

ATMA**OE**
MF6565 / MF88

Visual System Auto-alignment Screen Printer

Suitable for precise printing on capacitive touch screen, ITO conductive glass, ITO conductive thin film, EL board etc.

▼ Anti-dust cover (option)

- Adopted digital constant pressure control system for squeegee/flood coater, individual pressure is controllable from HMI.
- Screen up/down structure is supported by four posts with dual chain for synchronous drive via German made motor. Adopted high resolution encoder to control screen height digitally, positioning accuracy achieve ±0.05mm.
- Auto-aligned table is driven by 3 servo motors, and micro-adjusted according to calculation of vision system, repeatability accuracy achieves ±5μm.
- Adopted advanced PLC and controller for each transmission / control system. Reserved I/O points for connection with upstream/downstream equipment.
- Equipped diagnose circuit, auto restoration, safety light curtain, E-stop button and, alarm light for comprehensive protections.

Option

☐ Dripless squeegee   ☐ Static eliminator   ☐ Cleaning roller device
☐ Anti-dust cover   ☐ FFU (Fan-Filter Unit)

(Depth x Width) ATMAOE	MF6565	MF88
Table size(mm)	800 x 800	890 x 890
Max. printing area(mm)	650 x 650	800 x 800
Max. frame O/D size(mm)	1200 x 1200	1300 x 1300
Substrate thickness (mm)	0.3 - 2.0	0.3 - 6.0
Max. capacity	420 P/H	400 P/H
(P/H, full speed full stroke)		
Power source	3Φ 220V/380V,50/60Hz	
Power consumption (kW)	4.1	4.7
Air source pressure (kg/cm^2)	5 - 7	5 - 7
Air consumption (L/cycle)	27	30
Dimension (mm, WxDxH)	2810 x 1760 x1910	3060 x 1854 x1910
Weight (kg)	1780	2030

Revision may not be notified if any change

Committed To Top Quality

Manual Loading / Unloading

Standard Flow
Left-IN, Left-OUT

ATMAOE
FL66

Touch Panel Ultra Fine Line Screen Printer

Specialized in precise printing ultra fine line on ITO glass or film

▼ Anti-dust cover (option)

TAIWAN EXCELLENCE

- Equipped with automatic squeegee leveling calibration and linear displacement sensor, assure bilateral depth of squeegee consistence.
- High level table top accuracy to attain ±0.05 mm
- Servo motor driven transmission, strong printing torque, full stroke stable motion
- Three sets of servo motor control registration, use visual system to control table movement volume, accuracy of visual registering system attains ±5μm
- Enclose automatic error diagnosis, safety restoration, safety raster, E-stop switch, warning lamp, etc, for intensive protection

(Depth x Width)	ATMAOE FL66
Table size (mm)	750 x 750
Max printing area (mm)	550 x 550
Max frame O/D size (mm)	1100 x 1100
Substrate thickness (mm)	0.05 - 3
Productivity (non-stop full stroke full speed)	460 P/H
Power source	3Φ 220V/380V,50/60Hz
Power consumption (kW)	4.6
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	30
Machine dimension (mm, WxDxH)	2840 x 1860 x 2210
Machine weight (kg)	1680

Committed To Top Quality

Standard Flow
Left-IN, Left-OUT

Vacuum Pad Transit

ATMATIC
MF6565

Touch Panel Ultra Fine Line Screen Printer

Suitable for printing Touch-screen Film, Blood testers, Flexible Printed Circuits, Electro Luminescent panels, and etc.

TAIWAN EXCELLENCE

▼ Anti-dust cover (option)

- In-line design: vacuum pads + wheels to receive substrate -> CCD registration -> sliding table transportation -> screen printing -> vacuum pads + wheels to discharge substrate.
- Auto-aligned table is driven by 3 servo motors, and micro-adjusted according to calculation of vision system, repeatability accuracy achieve ±5μm.
- Adopted advanced PLC and controller with high compatibility, and east to expand and maintain.
- With Shifted Printing Function, 2 steps of printing pressure control. Initially squeegee prints by slight pressure, then turns to preset printing pressure to reduce squeegee scratches on screen.
- Equipped diagnose circuit, auto restoration, safety light curtain, E-stop button and, alarm light for comprehensive protections.

Option
☐ Dripless squeegee   ☐ Static eliminator
☐ Cleaning roller device   ☐ Anti-dust cover
☐ FFU (Fan-Filter Unit)

(Depth x Width)	ATMATIC MF6565
Table size (mm)	800 x 800
Max. printing area(mm)	650 x 650
Max. frame O/D size(mm)	1200 x 1200
Substrate thickness (mm)	0.4 - 3.2
Max. capacity (P/H, full speed full stroke)	300 P/H
Power source	3Φ, 220V/380V,50/60Hz
Power consumption (kW)	4.9
Air source pressure (kg/cm2)	5 - 7
Air consumption (L/cycle)	28
Dimension (mm, WxDxH)	4760 x 1820 x 1910
Weight (kg)	2030

(Revision may not be notified if any change)

Committed To Top Quality

Auto Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

Folk Transit

ATMATIC
MF55/H / MF88/H
MF6565/H

Fully Automatic CCD Registration Screen Printer (Fork-type)

Suitable for high precision printing process such as B/M, IR, icon, logo etc. on ITO conductive glass of capacitive touch screen panel.

TAIWAN EXCELLENCE

- UPE wheel + FKM O-ring on feeding/discharging device to prevent scratches on substrate. Achieves a unmanned transportation production line.
- Auto-aligned table is driven by 3 servo motors, and micro-adjusted according to calculation of vision system, repeatability accuracy achieves ±5 μm.
- Servo-synchronized screen peel-off function to prevent substrate sticks under screen; speed is auto computed and collaborates with printing speed. Height and start point can be preset digitally.
- Pneumatic locked 4 posts during printing to assure parallelism between printing stroke and table.
- 100 sets of parameter combination can be named, numbered and accessed. Easy for digital management of printing process.

▼ Anti-dust cover (option)

(Depth x Width) ATMATIC	MF55/H	MF6565/H	MF88/H
Table size (mm)	650 x 600	740 x 800	950 x 1000
Max. printing area (mm)	500 x 500	650 x 650	800 x 800
Max. frame O/D size(mm)	1000 x 1000	1200 x 1200	1300 x 1300
Substrate thickness (mm)	0.3 - 2.0	0.3 - 2.5	0.3 - 2.5
Max. capacity	360 P/H	280 P/H	240 P/H
(P/H, full speed full stroke)			
Power source	3Φ, 220V/380V,50/60Hz		
Power consumption (kW)	4.8	4.8	5.3
Air source pressure (kg/cm²)	5 - 7	5 - 7	5 - 7
Air consumption (L/cycle)	66	52	56
Dimension (mm, WxDxH)	3700 x 1810 x 2180	4200 x 1900 x 1930	5020 x 2070 x 2180
Weight (kg)	2130	2400	2780

(Revision may not be notified if any change)

ATMA

Committed To Top Quality

Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

Shuttle Table Transit

ATMATIC
TP68

Fully Automatic Touch Panel Glass Screen Printer

Suitable for high precision screen printing on ITO conductive glass, PMMA optical acrylic, etc

▼ Anti-dust cover (option)

- Servo motor + tooth belt driven reciprocation shuttle table transmission, quick and stable transportation
- Glass transportation with vacuum to prevent displacement while movement
- Screen with three point X/Y/θ micro adjustment, precise and smooth double frame design, enclose position indicator, original coordinate indicator
- Enclosed roller conveyor outlet, transfer the incoming substrate to dryer
- When control system malfunction, error message displays onto touch panel for quick trouble shooting

Option
☐ Anti-dust cover   ☐ Static eliminator

(Depth x Width)	ATMATIC TP68
Table size (mm)	900 x 1050
Max printing area (mm)	600 x 800
Max frame O/D size (mm)	1300 x 1300
Substrate thickness (mm)	0.3 - 10
Productivity (P/H, full speed full stroke)	360 P/H
Power source	3Φ, 220V/380V,50/60Hz
Power consumption (kW)	6.5
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	131
Machine dimension (mm, WxDxH)	3860 x 1920 x 2260
Machine weight (kg)	2860

(Revision may not be notified if any change)

Committed To Top Quality

Auto Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

ATMATIC
IG56/C G3 / IG68/C G3.5
810/C G4.5

Folk Transit

Fully Automatic CCD Registering Opto-electronic Glass Screen Printer

Suitable for fully automatic production CCD image / high precision screen printing process, such as silver line, protective glue mask, anti-etching ink, etching paste, automotive digital dashboard, etc.

TAIWAN EXCELLENCE

▼ Anti-dust cover (option)

- **Innovative Design :**
  - Up down synchronous corresponding CCD registering system, upper fiducial registering screen, lower compensated registering for substrate to raise printing accuracy and convenient operation.
  - Rapid in / outlet fork carrier transportation to raise productivity, ensure substrate without scratching and suction traceless.
  - Adjustable conveyor roller width and pre-registration device, adapt diverse substrate with various size.
- **Solid Precision :**
  - Elaborate design, solid structure light weight non-distortion, fast motion, steady silence and flexibility.
  - Top class servo motor control, fast printing, precise alignment, substantialincreasing yield rate.
- **Fast Setting :**
  - Digitalized operational function parameter setting + 100 groups memory production condition, substantial decreasing set up time.
  - Automatic screen calibrating function, immediate printing after installing the screen, substantial decreasing preparation for printing.
- **Convenient Operation :**
  - Colored touch-screen HMI + simply button, signified by simply diagram, quantified setting, fulfill digitalization, standardization, humanization perfect requirement.
  - CCD registering system adopts colored LCD display + IPC, humanized operation interface, easily setting the related parameters for automatic registration.
- **Safety Protection :**
  - Equipped with auto error diagnosis system, safety door, safety restoration, safety raster, emergency stop button, three color warning lamp, etc. comprehensive safety protection.
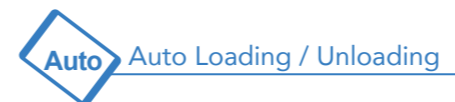
Option
- ☐ Inlet rightward (standard inlet leftward)
- ☐ FFU
- ☐ Anti-dust cover
- ☐ Static eliminator

(Depth x Width) ATMATIC	IG56/C	IG68/C	IG810/C
Table size (mm)	690 x 800	950 x 950	1100 x 1400
Max printing area (mm)	650 x 650	650 x 800	730 x 920
Max frame O/D size (mm)	1200 x 1200	1300 x 1300	1800 x 1800
Substrate thickness (mm)	0.5 - 3	0.3 - 2.0	0.3 - 1.1
Productivity (non-stop full stroke full speed)	320 P/H	260 P/H	200 P/H
Power source	3Φ, 220V/380V,50/60Hz		
Power consumption (kW)	4.6	14.16	9.8
Air source pressure (kg / sqcm)	5 - 7	5 - 7	5 - 7
Air exhaustion (L/minute)	35.7	34	13.4
Machine dimension (mm, WxDxH)	3310 x 1950 x 2260	3720 x 2020 x 2550	4940 x 2100 x 2300
Machine weight (kg)	2390	4030	4840

ATMA

Committed To Top Quality

Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

(Revision may not be notified if any change)

Folk Transit

ATMALINE
IG1515 G5.5

Fully Automatic CCD Registering Opto-electronic Glass Screen Printing Line
Dedicated to fully automatic printing Black Matrix, Icon, IR, Glue mask, etc. for 5.5 generation ITO conductive glass.

TAIWAN EXCELLENCE

Color Shade Inspection

Glass Steering Transfer

- Fully automatic linkage design : fork carrier inlet >> CCD registering >> screen printing >> fork carrier outlet >> steering transfer >> shadow color difference inspection >> IR Dryer
- Utilize servo motor + cylinder transmission to proceed automatic squeegee leveling adjustment, calibration and pressing depth setting.
- Guide rail retractable frame holder device, equip positioning ejector pin, utilizing cylinder positioning block for lead-in point, and use taper principle fixation, repeatability accuracy attains +/- 0.05μm
- Adopt up / down corresponding CCD registering system, upper registering screen, lower registering edge fiducial of substrate or target, initially complete screen registering, screen movement for automatic registering.

Option
☐ Automatic ink supply device

(Depth x Width)	ATMALINE IG1515
Table size (mm)	1600 x 1900
Max printing area (mm)	1300 x 1500
Max frame O/D size (mm)	2500 x 2500
Substrate thickness (mm)	0.4 - 1.1
Productivity (non-stop full stroke full speed)	180 P/H
Power source	3Φ, 380V,50/60Hz
Power consumption (kW)	12.8
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	30
Machine dimension (mm, WxDxH)	11620 x 4100 x 2680
Machine weight (kg)	12366

(Revision may not be notified if any change)

ATMATIC IG1515/C Fully Automatic CCD Registering Opto-electronic Glass Screen Printer
+ AT-IS 1515 Glass Steering Transfer
+ AT-IC 1515 Color Shade Inspection

Committed To Top Quality

Auto Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

Vacuum Pad Loading / Folk Unloading

ATMALINE
1016

Light Guided Panel 3/4 Automatic Screen Printing Line

Specialized in precise printing ultra fine line on ITO glass or film

TAIWAN EXCELLENCE

- Connecting suction cup automatic feeding >> screen printer >> fork carrier automatic offloading, attain 3/4 automatic printing function.
- Adopt up-to-date method for Y/Y/X three point micro-adjustment, structural certainty, fast, easy and precise registration.
- Dual servo motor automatic feedback peel-off, automatic calculation and synchronous printing speed, non-sticky mesh, enable to make screen precise compensation.
- Active guide rail retractable frame holder device, gains big room for screen cleaning, facilitate cleaning to save timing.
- Squeegee / flood coater adopt automatic clipping device, facilitate quick mounting / dismantle.
- Removable electrical cabinet in coordinate with spot processing for free movement.

Option
☐ Dripless squeegee ☐ Adjustable cleaning roller
☐ Static eliminator

Screen Printer

Auto Folk Unloader

Auto Vacuum Pad Feeder

Alignment on Sliding Table

(Depth x Width)	ATMALINE 1016
Table size (mm)	1200 x 1900
Max printing area (mm)	1000 x 1600 (850 x 1450)
Max frame O/D size (mm)	1600 x 2200
Substrate thickness (mm)	1.5 - 10
Productivity	400 P/H
(P/H, full speed full stroke)	
Power source	3Φ, 220V/380V,50/60Hz
Power consumption (kW)	8.83
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	145
Machine dimension (mm, WxDxH)	3210 x 6720 x 1880
Machine weight (kg)	3895

(Revision may not be notified if any change)

(Automatic feeder – printer – automatic off-loader) can be collocated freely.

Committed To Top Quality

Auto Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

Folk Unloading

ATMA**OE**
1221

High Precision Screen Printer (G7) for Opto-electronic

Suitable for high precision printing large size LED TV (50" ~ 90") back light module for light guided panel.

- Adopt up-to-date method for Y/Y/X three points micro-adjustment, structural certainty, quick, easy and precise registration.
- Dual servo automatic feedback synchronous peel-off, automatic calculation and synchronous printing speed, non-sticky mesh, enable to make screen precise compensation.
- Active guide rail retractable frame device, gains large room for screen cleaning, facilitate screen cleaning to save timing.
- Squeegee / flood coater adopt automatic clipping device, facilitate quick mounting / offloading.
- Removable electrical cabinet in coordinate with spot processing for free movement.

Option
- ☐ Dripless squeegee ☐ Adjustable cleaning roller
- ☐ Static eliminator

Auto Folk Unloader
(option)

(Depth x Width)	ATMAOE 1221
Table size (mm)	1500 x 2400
Max printing area (mm)	1120 x 1992
Max frame O/D size (mm)	1800 x 2800
Substrate thickness (mm)	2.0 - 10
Productivity (non-stop full stroke full speed)	320 P/H
Power source	3Φ, 220V/380V, 50/60Hz
Power consumption (kW)	7.24
Air source pressure (kg / sqcm)	5 - 7
Air exhaustion (L/minute)	82
Machine dimension (mm, WxDxH)	3900 x 3850 x 1450
Machine weight (kg)	3037 (Printer) / 1080 (Unloader)

(Revision may not be notified if any change)

Committed To Top Quality

Manual Loading
Auto Unloading
Auto

Standard Flow
Left-IN, Right-OUT

Vacuum Pad Transit
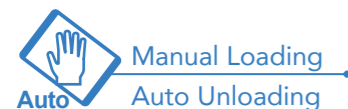
ATMATIC
MF66/F

Fully Automatic CCD Registering Screen Printer (thin film)

Suitable for fully automatic CCD registering screen printing biotech blood sugar tester (silver line, isolation, carbon) and flexible printed circuits (FPC).

TAIWAN EXCELLENCE

- Fully automatic linkage design, automatic suction cup feeding >> CCD registering >> screen printing >> suction cup off-loading >> IR Dryer, attains fully automatic connecting function.
- Servo motor driven, least failure, strong printing torque, full stroke extreme stable speed motion.
- Table top surface is made of thick Aluminum alloyed laminate with hardness anodized treatment, scratching proof, table top flatness accuracy attains +/- 0.05mm.
- Digitalized control, diverse operational function, parameters, quick save and retrieve to achieve purpose of digitalized printing quality.
- Equipped with error diagnosis, safety restoration, emergency stop button, three color warning lamp, etc. comprehensive safety protection.

Option

- ☐ Dripless squeegee
- ☐ Anti-dust cover
- ☐ Cleaning roller
- ☐ Static eliminator
- ☐ FFU (high efficiency filter)

▼ Anti-dust cover is optional

(Depth x Width)	ATMATIC MF66/F
Table size (mm)	750 x 750
Max printing area (mm)	500 x 500
Max frame O/D size (mm)	1100 x 1100
Substrate thickness (mm)	3.2
Productivity (non-stop full stroke full speed)	300 P/H
Power source	3Φ, 220V/380V,50/60Hz
Power consumption (kW)	5.3
Air source pressure (kg/sqcm)	5 - 7
Air exhaustion (L/minute)	18
Machine dimension (mm, WxDxH)	4300 x 1750 x 1930
Machine weight (kg)	2158

(Revision may not be notified if any change)

Committed To Top Quality

Auto — Auto Loading / Unloading

Standard Flow
Left-IN, Right-OUT

Peripheral Equipment
Auxiliary Accessories for Screen Printing

Additional stretching screen making / screen printing auxiliary equipment, welcome for enquiry !

Screen mesh fabric stretcher / exposure unit / stencil dryer / wash booth / adhesive cleaning device / UV, IR dryer / Silence air compressor / Germany RKS solvent assistance, anti-static squeegee rubber

AT-S100D
AT-S150D / AT-S200D

- Top-class Digital model, fully auto detection & grinding
- Linear rail guiding
- Fast holding, adjustable exposed squeegee height
- Dual grit diamond wheel for best effect, auto reverse
- Grinding times, depth digitally settable, angle manually adjustable
- 2-line vacuum cleaning

Digital Auto Squeegee Sharpener AT-S-D series

Dedicated to grinding squeegee sharpness to ensure printing quality.

TAIWAN EXCELLENCE

		AT-S100D	AT-S150D	AT-S200D
Grinding stroke (mm)		1000	1500	2000
Grinding angle (°)		0 - 30	0 - 30	0 - 30
Machine dimension (mm)				
	Width	1660	2160	2660
	Depth	600	600	600
	Height	1280	1280	1280
Weight (kg)		267	305	350

(Revision may not be notified if any change)

AT-MIX7V

INK Mixer

Specialized in uniform mixing ink and other additive

- Sealed shaking concept, runs stably
- Rapid ink can holding
- Closed chamber with full safety protection
- Vacuum suction for removal of bubbies

	AT-MIX7V (Vacuum model)
Max capacity (kg)	7 (in 1 can)
Machine dimension (mm)	520x730x810
Weight (kg)	125

(Revision may not be notified if any change)

AT-C1012D / AT-C1216D
AT-C1620D / AT-C2030D

- Motor driven stable coating uniform thickness layer
- Frame holding clamp can be moved freely to match various frame size
- Frame locked / released by foot switch controlling for convenient operation
- Single / double sides coating, multiple modes for selection
- Pressure / number of coating front / back side can be set separately
- Memorized 100 groups of parameters

Digital Automatic Emulsion Coating Machine

Specialized in uniform coating emulsion onto screen mesh

(depth x width)	AT- C1012D	AT- C1216D	AT- C1620D	AT- C2030D
Max frame O/D size (mm)	1050 x 1250	1250 x 1650	1650 x 2050	2050 x 3050
Frame thickness (mm)	20 - 45	20 - 45	20 - 45	20 - 45
Machine dimension (mm)	1880x530x1880	2080x510x2280	2510x510x2680	2880x800x3700
Weight (kg)	340	360	500	550

(Revision may not be notified if any change)

AT-LM4

Stirring Ink Mixer

Specialized in in uniform ink mixing and other additive

- Can opened stirring mixing, simple operation
- Three sections clamping to hold the ink can, fast stable
- Stepless speed control for can rotation
- Large and small stirrer can be replaced

	AT-LM4
Max capacity (kg)	4 (in 1 can)
Machine dimension (mm)	310x270x400
Weight (kg)	20

(Revision may not be notified if any change)

Committed To Top Quality