



CHOSEN BY LEADING
COMPONENT MANUFACTURERS
WORLDWIDE

SCREEN PRINTERS

P - series



- Proven design, high accuracy and flexibility
- Three models available to meet all customer requirements
- Fully programmable printing parameters
- Print/print, print/flood, flood/print, on contact print, stencil printing, via filling and screen cleaning printing modes
- Extensive options for demanding advanced technology applications

FLEXIBLE HIGH PRECISION SCREEN PRINTERS

BASIC CONFIGURATION:

The P-series of screen printers are designed for diverse (precise) screen printing applications in electronic components production, such as: LTCC, HTCC, MLCC, Hybrids, Photovoltaics etc. There are three models in two sizes available, based on similar mechanical design.

Model comparison:

| B (base model) | S (standard model) | A (advanced model) |
|---|---|---|
| <ul style="list-style-type: none"> - affordable machine for general screen printing application, - AC motor driven squeegee, - Manual screen or printing table alignment by micrometer screws - automatic snap off settings - PLC control, - Simplified mechanics, - No cameras for alignment possible, - No via filling possible | <ul style="list-style-type: none"> - for more demanding applications, - servo motor driven squeegee, programable stroke, - Manual screen or printing table alignment, - Two USB cameras, cross line software for easy alignment, touch screen control, - Via filling optional possible, - PLC control, PC+touch screen for settings and alignment | <ul style="list-style-type: none"> - for more demanding applications, - automatic printing table alignment by PC based vision system, - quick screen alignment and fixing - joystick printing table control for manual operation, - unlimited save/call programs - all possible options |

Technical:

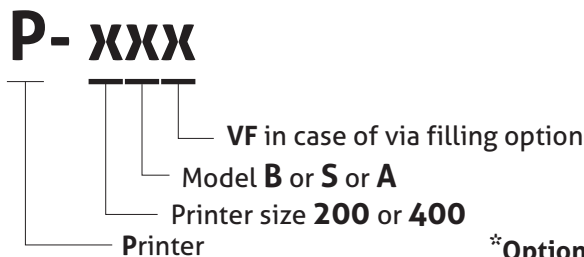
| | SIZE200 | SIZE400 | SIZE200 | SIZE400 | SIZE200 | SIZE400 |
|------------------------|---|--|---|--|---|--|
| Max. Printing area: | 210 x 210mm 8 x 8inch | 380 x 380mm 15 x 15inch | 210 x 210mm 8 x 8inch | 380 x 380mm 15 x 15inch | 210 x 210mm 8 x 8inch | 380 x 380mm 15 x 15inch |
| Squeegee speed: | 50 - 250mm/s 2-10inch/s | 50 - 250mm/s 2-10inch/s | 0 - 350mm/s 0-14inch/s | 0 - 450mm/s 0-18inch/s | 0 - 350mm/s 0-14inch/s | 0 - 450mm/s 0-18inch/s |
| Squeegee force: | 0-120N 0-27lbf | 0-250N 0-55lbf | 0-250N 0-55lbf | 0-320N 0-72lbf | 0-250N 0-55lbf | 0-320N 0-72lbf |
| Average accuracy: | +/-10microns | +/-10microns | +/-5microns | +/-10microns | +/-5microns | +/-10microns |
| Standard screen size: | 450x450x25mm Free adapter for custom screen | 550x550x25mm Free adapter for custom screen | 450x450x25mm Free adapter for custom screen | 550x550x25mm Free adapter for custom screen | 450x450x25mm Free adapter for custom screen | 550x550x25mm Free adapter for custom screen |
| Max. Screen size: | 550x550x25mm | 850x850x32mm | 550x550x25mm | 850x850x32mm | 550x550x25mm | 850x850x32mm |
| Safety: | Equipment complies with US and CE safety regulation | | Equipment complies with US and CE safety regulation | | Equipment complies with US and CE safety regulation | |
| App. Dimensions: LxBxH | 1300x1100x1550mm 51 x 43 x 61inch | 1600x1400x1550mm 63 x 55 x 61inch | 1300x1100x1550mm 51 x 43 x 61inch | 1600x1400x1550mm 63 x 55 x 61inch | 1300x1100x1550mm 51 x 43 x 61inch | 1600x1400x1550mm 63 x 55 x 61inch |
| Power consumption: | 0.5 to 1kw (custom voltage connection) | | 0.5 to 1kw (custom voltage connection) | | 0.5 to 1kw (custom voltage connection) | |
| Compressed air: | 0.6Mpa (85Psi), up to 150L/min consumption | | 0.6Mpa (85Psi), up to 150L/min consumption | | 0.6Mpa (85Psi), up to 150L/min consumption | |

Available options:

| | | | | | | |
|--------------------------------------|--|---|------------------------------|---|------------------------------|---|
| Via filling | | | ✓ | ✓ | ✓ | ✓ |
| Stencil tensioning frame and fixing: | | | ✓ | ✓ | ✓ | ✓ |
| Custom substrate fixing: | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic vision alignment: | | | | | INCLUDED | |
| Cross line manual table alignment: | | | INCLUDED | | INCLUDED | |
| Vacuum pump | For size 200 air-vacuum exchanger included. For size 400 vacuum pump or external vacuum connection needed. | | | | | |
| Dryer: | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Antistatic substrate cleaning: | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Automatic paste supply: | For low viscose pastes only. | | For low viscose pastes only. | | For low viscose pastes only. | |

Not all possible options listed

How to order: *



*Options and other requirements have to be specified separately.



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