KEKO
KEKO EQUIPMENT

Automatic
Screen Printing Line

P 200 series

- **Automatic sheet handling, printing, drying process**
- **Two models available to meet all customer requirements**
- **Fully programmable printing parameters**
- **Flexible print and stencil via filling modes**
- **Extensive options for demanding advanced technologies**
- **Option: Hot melt screen printing technology**

Automatic High Precision Screen Printing Process

The P-series of screen printers offer the possibility to automatically screen print on green ceramic tapes, ceramic or glass substrates, etc. in the production of electronic components e.g. LTC- C, HTCC, MLCC, hybrids or sensors. There are 2 main models based on similar mechanical designs, with a wide range of options available. As an option, sheets or substrates can be automatically loaded from a magazine into the printing table, screen printed, dried and placed back into another magazine. The main difference between the S (standard) and the A (advanced) models is in the method of alignement. On the S model the registration is done mechanically (usually with pins), while in the A model the registration the registration is done with two CCD cameras and an automatic vision alignment system.

Technical characteristics:

Printer

Max. Printing area:	210 x 210 mm (8 x 8 inch)
Squeegee speed:	0-350 mm/s (0-14 inch/s)
Squeegee force:	0-250 N (0-55 lbf)
Average accuracy:	+/- 5 microns (0.20 mil)
	+/- 0.20 mil)
Standard screen size:	450 x 450 x 25 mm
Max. Screen size:	550 x 550 x 30 mm
Automatic vision alignment	
to fiducial:	A model only
Quick screen registration:	A model only
Touch screen and joystick table control:	
	A model only
Average cycle time	
print to print:	12 s print/flood mode

Drier

Drier length:	5 m (16.4 ft)
Installed power:	two zone, 5.4 kW / zone
Max. temperature:	120 °C
Drying time:	5 min at 12 s cycle time

Dimensions and power requirements

App. Dimensions:	(LxBxH): 6100x1730x1820 mm
Power consumption:	12 kW
Compressed air:	0.6 MPa, 200 L/min
Vacuum:	-0.08 MPa (0.02 MPa absolute), 300 L/min

(optionally air / vacuum exchangers can be installed)

Available options:
- Automatic paste supply: For low viscosity pastes only.
- Via filling
- Stencil frame for stencil tensioning and quick fixing
- Custom printing tables and substrate fixing
- Antistatic substrate cleaning before printing
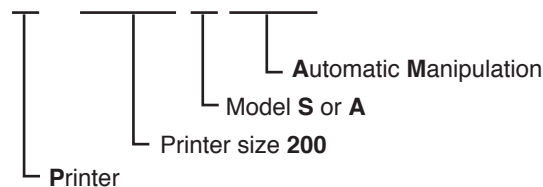- Through hole printing

Options for S model only:
Touch screen control
Cameras in printer + cross line software for easy screen alignment

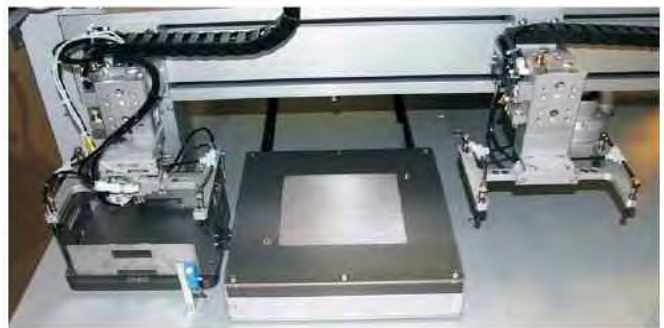### Dryer options
Double width for double drying time

Not all possible options listed

How to order*:

P-200xAM

- **A**utomatic **M**anipulation
- Model **S** or **A**
- Printer size **200**
- **P**rinter

*Options and other requirements have to be specified separately

www.haikutech.com

Haiku Tech
Multilayer Ceramics

P200 11-17

Americas
HaikuTech Inc.
11025 NW 29th Street,
Doral, FL 33172, USA
T:+1 (305) 463-9304
F:+1 (305) 463-8751

Email: sales@haikutech.com

Europe
HaikuTech Europe B.V.
Spoorweglaan 16
6221 BS Maastricht
The Netherlands
T: +31 (43) 457-8080
F: +31 (43) 457-8053