

GKG Printer Series

Training Courses



JUKISmart Solutions



GKG Printer Operation and Service Course

Who Should Attend:

Personnel responsible for the daily setup, operations, and programming of the machines. New operators and operators who need a little extra training are the main intended audience.

NOTE: This course will be taught at the “Engineer” user level. Features not available to a user at this level will NOT be covered in this course. The service and calibration class is offered for the higher level users.

Length:

4 days

Prerequisites:

Knowledge of basic SMT concepts and components.

Course Description:

This course is designed to provide operators with operation, routine maintenance, and basic troubleshooting skills. It includes classroom lecture and hands on training on the machines. The content is basically identical to the training provided on site when a machine is first installed.

Course Agenda:

1. Introduction to Juki Automation Systems Service Network
 - 1.1. Help Numbers
 - 1.2. Ordering Parts
2. Machine Documentation
 - 2.1. Instruction Manual
 - 2.2. Error Code Lists
3. Model Overview
 - 3.1. G-Start
 - 3.2. GL Plus
 - 3.3. G-Titan
 - 3.4. P-Primo
 - 3.5. PmaxII
 - 3.6. P-LED
4. Machine Overview
 - 4.1. Safety features (key locks, covers, etc.)
 - 4.2. XY Axis
 - 4.3. Assembly Heads
 - 4.3.1. Squeegee front and back

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- 4.3.2. Distance between front and back squeegee on different machine
- 4.3.3. Squeegee Pressures
- 4.4. Conveyor System
- 4.5. Camera over view – How It Works
 - 4.5.1. PCB view
 - 4.5.2. Stencil view
 - 4.5.3. Camera offset alignment
 - 4.5.4. Camera home position, on G-titan and P-Primo
- 4.6. Cleaning Systems
 - 4.6.1. Idle cleaning setting
 - 4.6.2. Auto set clean interval
 - 4.6.3. Cleaning cycle
- 5. Software Overview
 - 5.1. Windows 7 Professional
 - 5.2. User groups Level
 - 5.3. New GUI.
- 6. Page 1
 - 6.1. PCB Stencil Setting
 - 6.1.1. Production Name
 - 6.1.2. Production Type
 - 6.1.3. Length
 - 6.1.4. Width
 - 6.1.5. Thickness
 - 6.1.6. Stencil Parameter: Length and Width
 - 6.1.7. Start Count Order
 - 6.2. Printing Setting
 - 6.2.1. Print From
 - 6.2.2. Print Length
 - 6.2.3. Start Offset
 - 6.2.4. Print Speed
 - 6.2.5. Front SQG Press
 - 6.2.6. Rear SQG Press
 - 6.2.7. Print Mode
 - 6.2.8. Print Gap
 - 6.2.9. Print Delay
 - 6.2.10. Low Paste Level Alarm
 - 6.3. Transport Setting

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- 6.3.1 Width
- 6.3.2 Speed
- 6.3.3 Out Pcb Delay
- 6.3.4 Edge Clamp Distance (0.1 ~ 1.5mm)
- 6.3.5 Feed direction
- 6.4. Cleaning Setting
 - 6.4.1. Cleaning Mode
 - 6.4.2. Clean Speed
 - 6.4.3. Wiper Roll counter
 - 6.4.4. Vacuum Delay
 - 6.4.5. Solvent Supply
- 6.5. Snap-off Setting
 - 6.5.1. Snap-off Distance
 - 6.5.2. Snap-off Speed
 - 6.5.3. Delay Time
- 6.6. Status Control
 - 6.6.1. Manual Move
 - 6.6.1.1. Squeegees
 - 6.6.1.2. Camera
 - 6.6.1.3. Table up/down
 - 6.6.1.4. Surface light on/off
- 7. Page 2
 - 7.1. PCB Setup
 - 7.1.1. Move SQG Back
 - 7.1.2. Move Camera to Back Position
 - 7.1.3. Load PCB
 - 7.1.4. Move Camera to Front Position
 - 7.1.5. Move Stencil stop Position
 - 7.1.6. Move PCB to Print Height
 - 7.1.7. Move Table to Vision Height
 - 7.2. Manual Outputs
 - 7.3. Adjust Stencil Y Position
 - 7.4. PCB Stop Position
 - 7.5. Edge Clamp
 - 7.6. Vision Setup
 - 7.6.1 Add Mark
 - 7.6.2 Edit Mark

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- 7.6.3 Capture Mode
- 7.6.4 Pattern match fiducial
- 8. 2D Inspection Setup
 - 8.1. Paste Binary
 - 8.2. Min Binary
 - 8.3. Max Binary
 - 8.4. Setting Rate
 - 8.5. Propagate Parameter setting
- 9. Production Setting
- 10. Config SOG
- 11. Manual Control
- 12. Parameter Setting
 - 12.1. Parameter 1
 - 12.2. Parameter 2
 - 12.3. Parameter 3
 - 12.4. Parameter 4
- 13. Output Control
- 14. Operate Menu
- 15. I/O Check
- 16. Menu
 - 16.1. File
 - 16.2. Operation
 - 16.3. View
 - 16.4. User Setting
- 17. Routine Maintenance
 - 17.1. X, Y, Z Axis and Squeegee front/Rear, Cleaning and Lubrication
 - 17.2. Vacuum Filter inspection / clean
 - 17.3. Cleaning Table
 - 17.4. Cleaning support pin
 - 17.4.1. Checking support pins magnet
 - 17.5. Other Lubrications (Linear Guides)
- 18. Troubleshooting
- 19. Question and Answer Session

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