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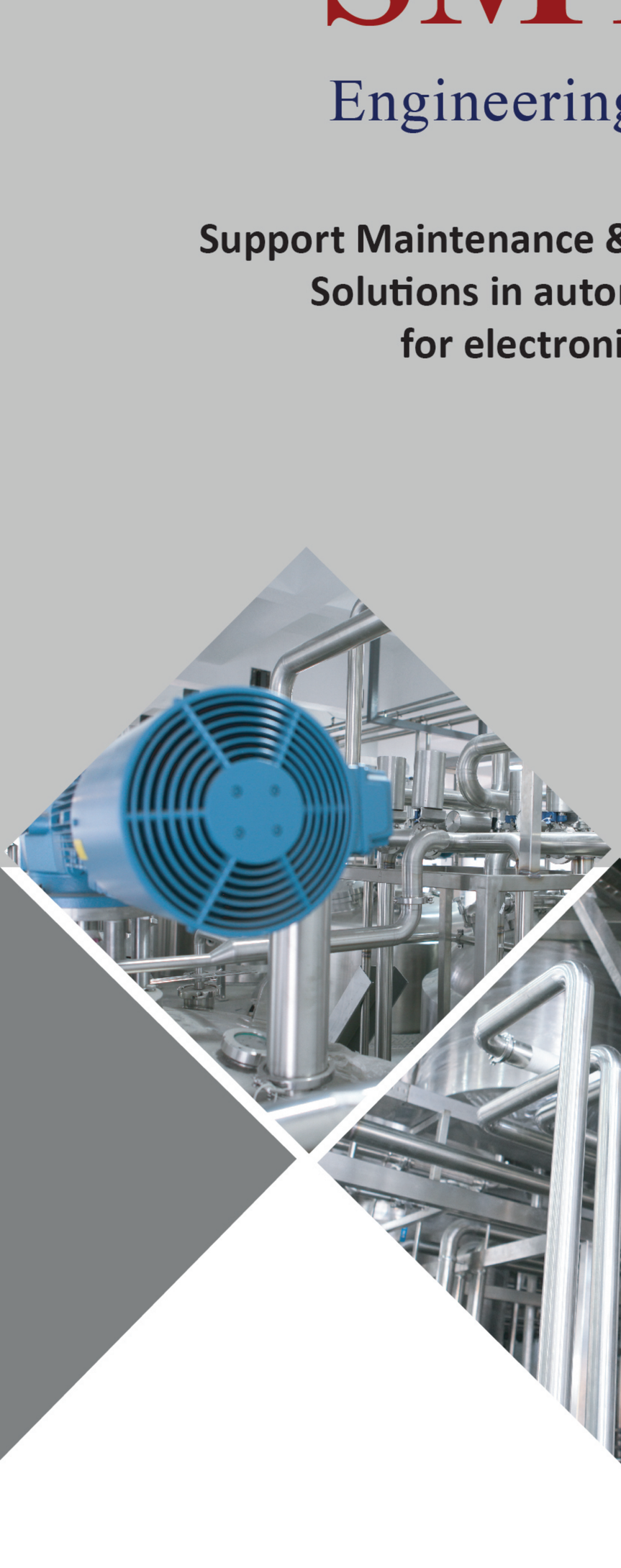
Engineering Solutions

Support Maintenance & Training Engineering Solutions in automated platform for electronic assambly



Product and Process Course Descriptions

GEN/HSC -OM: 4988 Genesis Platform, High Speed Chip (Lightning) Head Operation and Maintenance

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Product and Process Course Descriptions

FJ07/FJ09-M-L2: FlexJet 07 and FlexJet 09 Heads: Advanced Maintenance

Course level:	**Level 2**
Revelant product codes:	**4688A - GSM2, 4681A GSM1™ Platform, AdVantis Platform**
Course length:	**3 days**
Overview:	**This course provides the knowledge and skills necessary to install, operate, maintain and troubleshoot the FlexJet Heads used on the GSM Platform. Note that there are three different FlexJet Heads: FJ-07, FJ-07+and FJ-09. Trainees should make sure that they know which head they will be working on. Head differences will be pointed out during the class and different procedures for particular heads will be performed on each head as appropriate.**
Who should take this course?	**This course is intented for maintenance technicians who are expected to troubleshoot and repair parts problems with the FlexJet Head.**
Prerequisites:	**Trainees should be able to perform all level-1 tasks that apply to their job.**
Required Equipment (if On-site)	

During this course you will:	**• Describe the theory of operation of the FlexJet Head and nozzle changer. • Install the FlexJet Head and configure FlexJet Head specific options. • Perform FlexJet Head operation tasks. • Perform the following setups and preventive maintenance tasks: - Verify vacuum/air kiss - Clean Nozzles - Verify/Setup Touchdown sensors - Set up Theta Encoder Zero - Set up Z Home Sensor - Set up Z Safe Sensor - Adjust OTHC mirror cable - Clean pin mirrors - Clean OTHC mirrors • Perform the following corrective maintenance tasks: - Replace a spindle - Replace a coupler body - Replace a spindle belt and spring - Replace the up/down stop brake assembly - Replace the up/down stoop clutch - Replace a spindle clutch - Replace the vacuum manifold - Replace a touchdown sensor - Replace Z motors • Troubleshoot FlexJet head performance. • Perform calibration and CPE (Optional. For those with Calibration and/or CPE kits only.)**
Suggested additional courses:	**None**

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Typical Course Schedule:

	Day 1	Day 2	Day 3
8 Am to 12 Pm	Head Parts and Functions	Corrective Maintenance	Calibration and CPE (Optional)
1 Pm to 4 Pm	Operation Setups & PM Tasks	Troubleshooting and Corrective Maintenance	Calibration and CPE (Optional)

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