

Certified SMT Engineer

Course and Examination in Shanghai
25-27 April 2017

Organized by:



Supported by:



In conjunction with:



Who Should Attend

SMTA Certification is intended for manufacturing and process engineers. However, production, design, test and quality engineering personnel, as well as SMT assembly managers who want to confirm their current competence at a fundamental level of overall process technology, should also consider certification. The program assumes that the student has two or more years of SMT experience, is familiar with all basic SMT steps (prior to test) and is competent in college algebra.

Why You Should Participate

Technologies change at the speed of light. There is increasing competition. There are heightened expectations. And there is a tremendous growth in the amount of knowledge and techniques that you need to know. Professionals cannot perform at the top level without expertise in the things they do everyday. The SMTA's comprehensive program will provide the refresher course, study materials and examination that will allow you to be recognized as an SMTA Certified Process Engineer. While other programs certify specific areas of the electronics assembly process (i.e. rework and repair) the SMTA program is the only one to recognize and certify the entire SMT assembly process at an engineering level.

SMTA Certification has become the electronic assembly industry's most respected sign of process excellence. Certification is one way to enhance your stature in our industry. Your certification can also be a marketing tool for your company. They will be able to proudly say that they have team members who are SMTA certified.

What The Certification Program Is

The SMTA Certification program is a three-day offering consisting of a 1.5 day refresher workshop on topics in SMT processes. The program concludes with both open and closed book examinations on days two and three. The workshop, as well as the exam, assumes that the participant has at least 2-3 years of SMT experience and has an educational background equivalent to two years or more of college in a technical discipline. **This is not an entry level program.** Basic algebra will be used in the workshop and examination. The examination is "competitive" in that it requires both written answers and calculations. The intent of this procedure is to enable the students to establish competitive credentials as "Certified" by the SMTA in SMT Assembly Processes.

Am I Eligible?

The primary requirements for SMTA certification are:

- Two years of college (or equivalent).
- 2-3 years of experience in all aspects of SMT, including process optimization.
- Knowledge of all process and systems steps, including calculations, from screen printing and dispensing through test and inspection.
- Pass the exam.

Benefits to the Individual

- An opportunity to demonstrate knowledge, experience, and competency.
- An extensive study guide.
- Face-to-face instruction from industry recognized leaders and "top tier" SMTA instructors.
- Open and closed book examinations (not merely multiple choice questions).
- Recognition in SMTA publications and at a yearly.
- Recognition Ceremony.
- Possible career advancement and benefits at performance reviews.

Benefits to the Employer and Industry

- Helps raise the overall competency level of our entire field.
- Provides a means to assess the qualifications of personnel hired.
- Helps assure that the industry has well trained and qualified personnel.
- As a marketing tool you can stress that members of your team are SMTA Certified. Company name, product name, and product or service description will be used verbatim for judging and award purposes.

About the Examination Process

All applicants must pass a combined open and closed book exam. Process Examination covers all process steps from printing and dispensing through test and inspection. Line balancing will also be a major component of the test.

People who do poorly on the exams usually do not have good basic math skills and/or limited SMT experience.

Please note that the exam will be taken at the conclusion of the workshop. Upon passing the examination, the SMTA will issue and mail the certificate via the Hong Kong Chapter within two months of an exam.

SMT Processes Curriculum

- SMT Materials
- SMT Components
- Stencil Printing
- Dispensing
- Component Placement
- Reflow Soldering
- Wave Soldering
- Test and Inspection
- Line Balancing (including down time and line design)

Course Fee (Invoice Tax not included)

RMB ¥ 6500 (SMTA China Member)

RMB ¥ 7500 (Non-SMTA China Member)

Lunch and accommodation not included

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ENTRY FORM		
Courses	Tick (√) one only	SMTA Office Use
Class and Examination in Shanghai 25-27 April 2017 (Tuesday – Thursday) B1/F., Shanghai World Expo Exhibition & Convention Center		

Enquiry

Please contact Ms Peggy Chen, SMTA China Executive Administrator for reservation.
(Telephone: +86-21-5609-3010, E-mail: peggychen@smta.org.cn for enquiry)

Registration Details

Please complete and email the registration form to the SMTA China office at peggychen@smta.org.cn together with registration fee made payable to "SMTA China Limited" by cheque in HK dollar.

Contact	:	_____	SMTA Member#	:	_____
Organization	:	_____	E-mail	:	_____
Position(s)	:	_____	Website	:	_____
Telephone	:	_____	Fax	:	_____
Address	:	_____ _____ _____			

SMT 工程师认证课程

课程及考试 (上海)

2017 年 4 月 25 日-27 日

主办单位：

支持单位：

同期举行：



谁将参加

SMTA 认证课程是专为制造业和工艺工程师而设的。生产、设计、测试和品质工程技术人员，以及想要确认自己目前在整体工艺技术上具有一个基本水准能力的表面装贴组装管理人员也可以考虑参加这个课程。此课程是为有两年或以上表面装贴技术工作经验，熟悉基本的表面装贴工艺(通过测试)及其工序，并对高阶代数能对应的人员而设。

为什么你要参加

技术的改变有如光的速度。竞争变的原来越大，期望和要求变得越来越高，加上越来越广阔，且增长巨大的知识和技术要你去面对。每天的日程事务都需要有配合专业的知识去执行。SMTA 的全面进修课程计划，提供学习材料和考试，让你成为 SMTA 认可的工艺工程师。相对其它不同的课程和认证，SMTA 的全面进修课程计划是唯一一个在专业表面装贴工艺中获得认可和认证的工程师课程。

SMTA 认证 (SMTA Certification) 已经成为电子组装行业最受尊敬的卓越工艺指标。认证是一种以提高您在 SMT 行业地位中的方式。您的认证也可以是您公司的一个行销工具。您将能自豪的说，您有一个 SMTA 认证团队！

什么是认证课程？

SMTA 认证课程是一个为期 3 天的课程。课程包括一天半以表面装贴工艺为主题的工作坊，以及在第二和第三天的笔试（开卷及闭卷）。此次工作坊以及考试需要参加者至少有 2 到 3 年的表面装贴技术工作经验，和教育背景有相当于 2 年或以上的大学 / 相关技术学科。这不是一个入门级课程。基本代数将被运用在工作坊和考试中。包括了笔试和计算的考试，是非常具有「竞争力」的。课程的目的是能够让学员获得 SMTA 表面装贴技术组装工艺的认证，让他们建立有竞争力的资格。

我有资格参加吗？

能获取 SMTA 认证的要求是：

- 2 年或以上的技术学科(或同等学历)。
- 2-3 年在表面装贴技术的工作经验，包括工艺优化。
- 对所有工艺和系统步骤有相当的认知，包括计算，由印刷至自动化的测试和检查。
- 通过考试。

个人的得益

- 能分享行业知识，经验和能力的机会。
- 能获得广泛的学习指引。
- 能获得公认的 SMT 行业专家及 SMTA「顶级」导师面对面的指导。
- 考试(开卷考和闭卷考试，包括选择题)。
- 在每年的 SMTA 刊物上公佈成就。
- 能参加嘉许典礼。
- 其表现评论可能对职位的优势及提升及有帮助。

雇主和行业的得益

- 有助提高整个行业领域的能力水准。
- 提供了一个评估方式去聘用符合资格的人员。
- 有助于确保行业内具有良好的培训和人才。
- 您可以强调您的团队成员是获得 SMTA 认证并以此来作为一个行销工具。您的公司，产品及服务更有可能因评审和角逐奖项而广泛获得认知和认可。

关于考试程序

所有的学员必须通过组合的开卷和闭卷考试。考试将涵盖所有工艺步骤，包括计算，由印刷至自动化的测试和检查。生产平衡也将是考试中的一个重要部分。

考试成绩不好的学员通常是缺乏基础计算技能或有限的表面装贴工作经验。

请注意，考试将在工作坊结束后立即举行。如考试合格，SMTA 将在考试后两个月内通过 SMTA 香港分会邮寄证书给学员。

表面装贴工艺课程

- 表面装贴技术材料
- 表面装贴技术零件
- 锡膏印刷技术
- 生产线配置
- 零件配置
- 回流焊
- 波峰焊
- 测试和检测
- 生产平衡(包括停机和生产线设计)

课程费用

(不包括午餐及住宿)

SMTA 会员优惠价：人民币 6,500(不含发票)
非 SMTA 会员优惠价：人民币 7,500(不含发票)。

SMT 工程师认证课程

课程及考试 (上海)

2017 年 4 月 25 日-27 日

主办单位：



支持单位：



同期举行：



参加表格

课程	打 (√)	SMTA 办公室填写
课程和考试在上海 2017 年 4 月 25-27 日 (星期二-星期四) 上海世博展览中心地下一层		

查询

登记报名请联系 SMTA 中国行政主任 Ms. Peggy Chen
(查询请拨打电话: +86-21-5609-3010, 邮箱: peggy@smta.org)

登记详情

请完整地填写表格邮件至 peggychen@smta.org.cn

姓名	:	_____	SMTA 会员编号	:	_____
公司	:	_____	邮箱	:	_____
职位	:	_____	网址	:	_____
电话	:	_____	传真	:	_____
公司地址	:	_____			
