

Sputter Target Bonding Training Program

NanoFoil® and NanoBond®



Introduction

Indium Corporation offers a training program to provide customers with the tools they need to successfully implement the NanoFoil® and NanoBond® technology. Customers can choose from a three-day in-house program or a more intensive on-site program. Both programs are taught by fully qualified Indium Corporation trainers experienced with the NanoBond process. Participants receive a copy of all presentations, process videos, and training samples, as well as recommended tooling, equipment, and suppliers.

In-House Training Program

Attendees will learn:

- How to handle NanoFoil
- How to NanoBond with NanoFoil
- How to characterize and troubleshoot a variety of real-world bonding challenges.

In addition, the following topics are covered:

- Target and backing plate preparation
- Solder application and machining
- Bonding and proper NanoFoil ignition (MPIS-03 system use)
- NanoFoil handling, storage, and cutting
- Ultrasonic (C-scan) evaluation and calibration
- Quality control documentation

The course uses a combination of presentations, videos and hands on demonstrations to demonstrate proper methods and operating procedures.

On-Site Training Program

The on-site program is designed to follow the in-house training, providing more specialized training for your entire NanoBonding team. It includes an on-site process review, an inspection of onsite equipment and tooling, and assistance and oversight in utilizing the NanoBond process with customer parts and assemblies.

The session begins with a review of the site equipment, tooling, and process controls as it pertains to the NanoBond process. After this review, a brief on-site training is provided for those who did not attend the in-house training. The session concludes with the preparation, bonding, and characterization of an internal or customer assembly.

In addition, the following topics are covered:

- Capital equipment
- Fixtures & tooling
- Additional training of personnel
- NanoBond process implementation
- NanoFoil handling and storage
- Ultrasonic (C-scan) evaluation and calibration

The on-site course is designed to be a hands-on review and oversight of all NanoBond processes. Participants must have all tooling, equipment, and supplies readily available and provide a target and backing plate assembly for bonding.

Technical Support

In addition to the above training programs, Indium Corporation Technical Support Engineers are available by email, phone, or via Indium Corporation's Online Knowledgebase Support System to assist you with any questions you might have.

- Email askus@indium.com
- Call 1-800-4INDIUM (1-800-446-3486)
- Visit <http://knowledge.indium.com>

Fees

Training		In-House*	On-Site	Notes
Standard	2 days	3500.00	4500.00**	Meals are provided. Participants receive discounts on future training sessions.
Premium	3 days	5000.00	6500.00**	Includes all of the above and a 10% discount on all Indium Corporation bonding services

* For up to 4 participants; \$1,000 for each additional participant.

** Plus reasonable travel expenses for one trainer

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