

Applied Materials Taiwan

Summer Student Program - Requirement

Request Year: FY16

Department: TMC MFG

Request No of Student: 1

Period: 07/01 – 08/31, 2016

Requestor: Jacob Chen

Location: Tainan

1. Criteria

Education	1. Department of Mechanical Engineering (Thermal Fluids), Aerospace Engineering (Thermal Fluids) or any majors in Refrigeration and Air Conditioning related. Post-graduate student 2 nd grade or above
Expertise	1. Good at experiment design, data collection and analysis 2. Familiar with CFD(Computational Fluid Dynamics) software

2. Content of Job

Content	1. Design, proceed experiment and collecting data for statistical analysis of MFG area particle control 2. Using simulation software to visualize and quantify the key factors of particle control 3. Predict air flow patterns and particle concentration profile inside cleanroom
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3. Specific Training

Trainings	1. AMT Introduction (>1 day) 2. Product introduction (>1day) 3. Clean room protocol 4. MFG area facility introduction(RCU, humidity, temperature control)
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Applied Materials

Summer Student Program

Request Year: FY16

Department: PVD Mechanical Engineer, Tainan Display Lab/DBG

Request No of Student: 2

Period: 7/1 – 8/31

Requestor: Shih-Tse Wu, Director/TDL Operation/DBG

Location: Tainan

Criteria for Summer Student

Education	Undergraduate 3 rd grade or above
Expertise	<ol style="list-style-type: none"> 1 Excellent in English 2 About college senior level, major in mechanical engineering and related field. 3 Some experiences in CAD, Model design or Mechanical- Simulation application

Planned Work Content for Summer Student

Contents: PVD ME	<ol style="list-style-type: none"> 1. NAR Gen 10+ carrier new clamp life time testing , data analysis 2. NAR Gen 10+ glass vibration testing, data analysis 3. NAR Gen 10+ transport testing, data analysis
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Planned Work Training for Summer Student

Trainings PVD ME	<ol style="list-style-type: none"> 1 NAR Product introduction (>1day) 2 Testing plan introduction (>1day)
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