

RESUME

K.KUMAR

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**OBJECTIVE:**

To pursue a highly challenging Career in **semiconductor Equipment maintenance & Installation field** where I can apply my knowledge hone my skills and work closely with a team of Top-notch professionals.

PROFILE SUMMA

- **Having experience 16+ years in Semiconductor wafer fab industry.**
- Having experience 4 years in **Electronics Defense Industry**
- Worked as a **THIN FILM ENGINEER IN SKYLINE SEMICONDUCTOR SERVICES CHANDIGARH.**
- Working as a **ASISTANT MAINTENANCE ENGINEER IN ST MICRO ELECTRONICS SINGAPORE**
- Worked as a **SETUP TECHNICIAN in Infineon Technologies Asia Pacific Pte Ltd, Singapore.**
- Worked as a **TECHNICIAN APPRENTICE**
- **Possess excellent communication and inter-personal skills.**

EDUCATIONAL QUALIFICATION

Exam Passed : **ENGINEERING DIPLOMA IN ELECTRONICS & COMMUNICATION ENGG**

Board : State Board of Technical Education, **Tamilnadu.**

Year of passing : **APRIL - 2000**

Class Obtained : **First Class**

PRESENT EMPLOYMENT : **SKYLINE SEMICONDUCTOR SERVICES**
(Maintenance support for ISRO semiconductor Laboratory VLSI FAB MOHALI PUNJAB)

DESIGNATION : **THIN FILM ENGINEER**
DURATION : **MAY 2016 TO TILL DATE**

MACHINE HANDLED : **APPLIED MATERIAL ENDURA P5500, CENTURA 5200 HDP CENTURA, CENTURA 5200 (DxZ /WxZ), RTP CENTURA, NOVELLUS SEQUEL EXPRESS CONCEPT TWO**

JOB PROFILE

- Perform all the corrective maintenance activities in PVD and CVD tools.
- Trouble shoot any parts failure and replace it and perform calibrations.
- Perform HP/HP+ robot calibrations, hands-off check and baring change.
- Service and calibration for throttle and gate valves
- Perform MFC calibration and tune any out of sec.
- Perform RF generator change and RF calibrations.
- Perform monthly/quarterly/annual preventive maintenance
- Perform all the shield/process kit and target change all chambers
- Perform cryo /turbo pump change in all tools.
- Perform all equipment's calibrations and sub fab system maintenance
- HDP Centura ES chuck rebuild and installation in chamber.
- Strong trouble shooting skill in all the circuit diagrams
- Perform to tune process parameters to reach good QC result.

PREVIOUS EMPLOYMENT : **ST MICRO ELECTONICS ASIA PACIFIC PTE LTD**
(Is the world's fifth largest semiconductor company.
The Company has particular strengths in Multimedia,
Communication, computer, automotive, mems, Electronics
Power, Connectivity and sensing technologies.)

DESIGNATION : **ASISTANT MAINTENANCE ENGINEER**

DURATION : **NOV 2009 to MAY-2016**

MACHINES HANDLED : **APPLIED MATERIAL ENDURA P5500, CENTURA 5200
HDP CENTURA, CENTURA 5200 (DxZ /WxZ), RTP
CENTURA, NOVELLUS SEQUEL EXPRESS CONCEPT
TWO , MRC ECLIPS SPUTTERING SYSTEM.**

JOB PROFILE

- Perform monitor the machine status via EMS Automation.
- Perform to trouble shoot the machine alarms.
- Perform **PMs** Target, shield change, monthly 6weekly,annual,major
- Perform to monitor the every chamber Target and shield KWH
- Perform pm if KWH reached.
- Perform cassette calibration and robot calibration
- Perform to trouble shoot the RF generator and power supply
- Perform to trouble shoot compressors if chamber pressure weak
- Monitor the chamber base pressure $2e-7$ and above.
- Do leak check using spectra RGA with high vacuum.
- Co operate with the team members, co operate team work
- Follow house keeping and 5s in the clean room

PREVIOS EXPERIENCE : **INFINEON TECHNOLOGIES ASIA PACIFIC PTE LTD**
Singapore. (A Leading innovator in the international
Semiconductor Industry).

COMPANY PROFILE : **Manufacturing & Testing of SMD ICs, Memory chips, Communication & Automotive products to various industries**

DESIGNATION : **SETUP TECHNICIAN**

DURATION : **Sep 2004 to August 2009**

MACHINES HANDLED : **ISMECA SEMICONDUCTOR MANUFACTURER**
ILT (NT32 & NT16 LEADLESS PACKAGES IC'S SCANNER)
ISM (lead packages ICs mark& lead scanner)

JOB PROFILE:

- Preparing Programs and carrying out settings needed to produce the components at required quality standards
- Having Responsibilities to change out Programming settings to one package to another package and tune machine parts to scuttle in good setting
- Assist Manufacturing Engineer to WIP Clear out program and prepare production schedule
- Involved in Daily Machine Maintenance activities and carrying out minor repairs
- The machines are fully controlled in programmable and working in pneumatically
- Calibration of pick& place, vision system during setup.
- Maintenance of all the equipments and IC counting machines and de taping machines
- Maintaining equipment and facilities in satisfactory operating condition by providing for systematic inspection.
- Preventive maintenance activities include partial or complete overhauls at specified periods.
- End of the maintenance keep the machines good condition with sample check

ACHIVEMENTS & AWARDS:

1. Successfully completed NTC 3 Program in Electronics from ITE Singapore
2. Having Basic Computer Knowledge
3. Good Team Player
4. Good Basic Electronics Knowledge and participated in quiz's

2) Company Name : BHARAT ELECTRONICS LIMITED

Indian Government Electronics Industry attained technological leadership in defense electronics through in-house R&D, partnership with defense/research industries & academic institutions.

Position Title : **TECHNICIAN** (Apprentice)

Period : From Nov 2001 to august 2004

ADDITIONAL QUALIFICATION:

- Successfully completed **set level 1** (NTC 3) in **ITE** Singapore
- Operating knowledge about MS office tools

PERSONAL DETAILS:

NAME : K.KUMAR

RELIGION	: HINDU
LANGUAGES KNOWN	: TAMIL, ENGLISH & KANNADA
NATIONALITY	: INDIAN

DECLARATION:

I hereby declare that the above all information's are true with the best of my knowledge and belief.

(K.KUMAR)

Yours Sincerely