

Drilling Operator

Aliases: Punching Operator

Industry/Sector(s): Electronics and HW

JOB DESCRIPTION ¹

The tasks a Drilling Operator is expected to perform include:

- Drilling the printed circuit boards (PCB) to make holes for inserting leaded components as per the drilling specification
- Conducting X-Ray quality checking of the PCBs to ensure the drilling has been done according to the programme

WORK ENVIRONMENT

- It is not a desk job
- Work from home option is not available
- Part-time and contractual jobs may be available
- Local traveling is not a part of this job role
- Need not handle a team

Working hours

- Working hours are 8/9 hours every day for 5/6 days a week
- Shift system may be applicable

Is the job suitable for a candidate with special needs?

Maybe

EDUCATIONAL QUALIFICATIONS AND TRAINING ¹

- Minimum – Preferably 10th/12th standard passed
- Certified training for Drilling Operator (programme aligned to ELE/Q2102 released by Electronics Sector Skills Development Council)

KEY COMPETENCIES ¹

- Knowledge of basic electronics and circuit design layouting
- Familiarity with CNC machine functioning and operation
- Familiarity with basics of drilling and micro-drilling
- Familiarity with drilling techniques and drill tools
- Knowledge of zero defect drilling techniques
- Proficient in using machines and tools
- Skilled at maintaining ESD, dust-free and 5S standards as per company's policy
- Knowledge of maintaining a safe and healthy working environment at the workplace
- Proficient at handling hazardous material
- Knowledge of electrostatic discharge (ESD) measures for electronic component safety
- Knowledge of IPC standards for printed circuit boards
- Knowledge of disposal of hazardous chemicals, tools and materials by following prescribed environmental norms

DESIRABLE COMPETENCIES ¹

Not applicable

AVAILABLE SKILL TRAINING AND LEARNING INSTITUTES

- Technical institutes across India
- ITIs across India

AVAILABLE SKILL TRAINING SCHEMES/SCHOLARSHIPS

<http://nscsindia.org/AboutUs.aspx>
<http://www.ejobshub.in/2013/12/iocl-scholarship-2014-2015-download.html>

SAMPLE OF TRAINING AND LEARNING COURSES

<http://www.sdct.goa.gov.in/Prospectus1314.pdf>
<http://embedvision.com/pcb-designing/>

CAREER PROGRESSION PATH

Helper → **Drilling Operator** → Production Supervisor

Transfer option

•India: Yes

•Abroad: Yes

*(*This field to open the relevant job title when clicked)*

EXPECTED EARNINGS ²

•For freshers – ₹ 8,000 to ₹ 10,000 per month

•For candidates with experience - ₹ 12,500 to ₹ 16,000 per month

(These figures are indicative and subject to change)

REQUIRED WORK EXPERIENCE ¹

Not applicable

PROBABLE EMPLOYERS

- Precision machining component providers
- Engineering services
- Engineering consultancy
- PCB manufacturers

PEOPLE'S CORNER

Coming Soon

KEYWORDS

Punching Operator, PCB Machine Operator

OCCUPATIONAL CODES AND STANDARDS

Standard	Code	Description
NCO 2015	8212.2502	Drilling Operator
ISCO 2008	8212	Electrical and Electronic Equipment Assemblers
NIC 2008	26104	Manufacture of bare printed circuit boards, loading of components onto printed circuit boards; manufacture of interface cards (e.g. sound, video, controllers, network, modems)
QP Reference	ELE/Q2102	Drilling Operator
NSQF	4	NA

REFERENCES

1	1 Qualification Pack – Drilling Operator
2	http://jobsearch.naukri.com/job-listings-Urgent-Hiring-for-Cnc-vmc-Operator-Cum-Programmer-on-Contract-Role-Randstad-India-Limited-Bengaluru-Bangalore-2-to-5-years-090215004742?xp=2&qp=cnc%20operator&srcPage=s
3	http://www.ipcaindia.org/pdffiles/Indian%20PCB%20Scenerio%20
4	http://radtech.org/2014proceedings/papers/technical-conference/Global%20Market%20Overview/India%20-%20UV%20EB%20Market%20Potential.pdf
5	5 “Human Resource and Skill Requirements in the IT and ITeS Industry Sector (2022)” released by NSDC
6	www.censusindia.gov.in
7	http://www.nsdcindia.org/sites/default/files/files/Electronics-IT-hardware.pdf