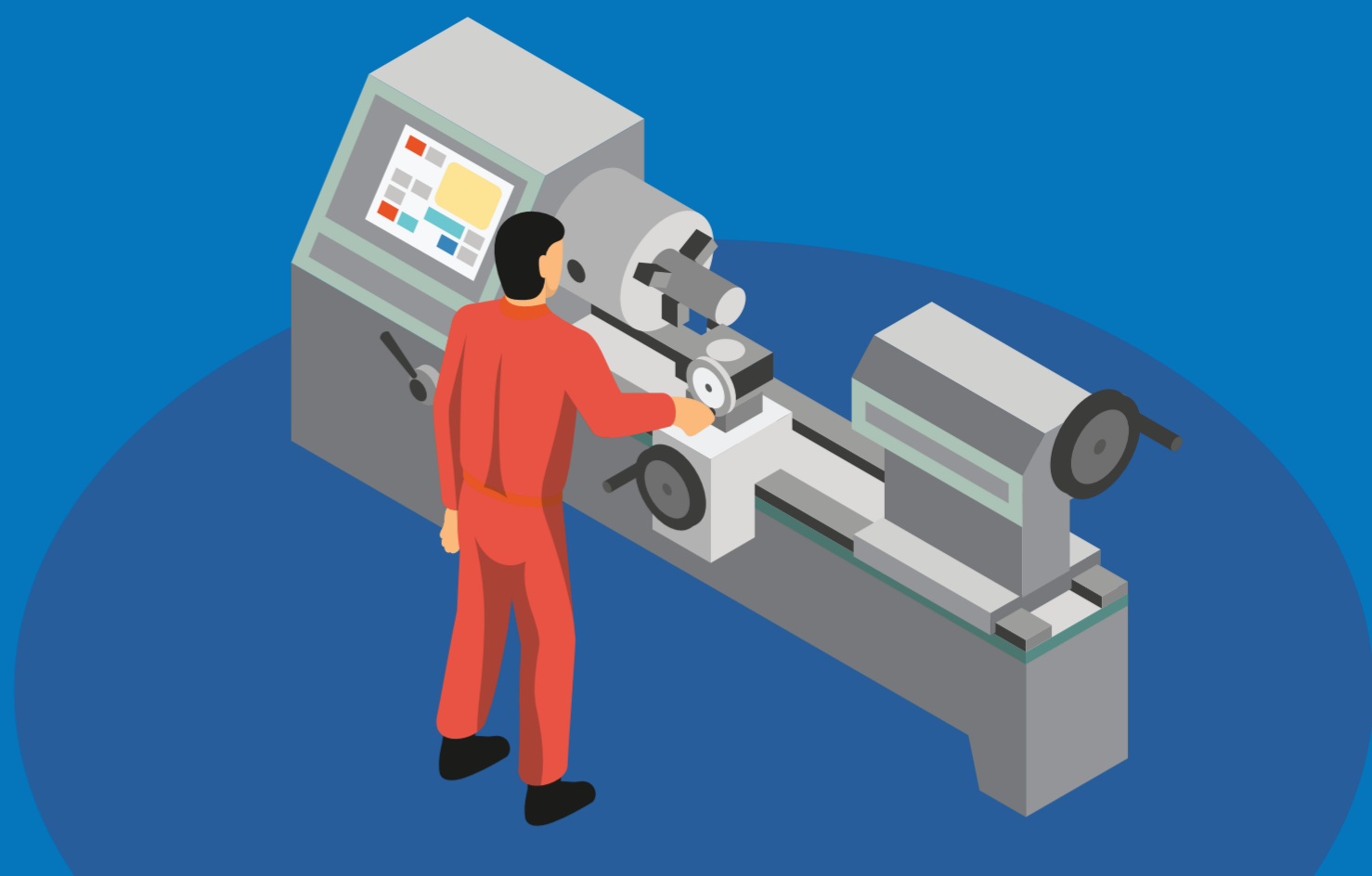


CAREER PATHWAY

TOOL AND DIE MAKER

(PRESSTOOLS, JIGS & FIXTURES)



SKILLS TAUGHT IN ITI

- Basic fitting operations
- Ability to operate a lathe, milling machine, surface grinding machine, cylindrical grinding machine, and Computer Numerical Control (CNC) machine.
- Manufacture different types of jigs & fixtures.
- Manufacture different types of press tools (blanking, piercing, progressive compound tools)
- Perform 2Dimensional & 3Dimensional machining using the Computer Aided Manufacturing (CAM) software
- Plan & perform simple repairs & overhauling of different machines.

SKILLS NEEDED BY COMPANY

- Precision & accuracy in measurements
- Fitting and assembly of precision components
- Ability to read and interpret information from design drawings
- Professional skill & knowledge in working with different types of machines.
- Set (both job & tool) up a CNC machining centre and produce components as per drawings
- Simple repair, overhauling of different machines
- Fabricate all types of press tools, jigs & fixtures

JOB OPPORTUNITIES AFTER ITI

- State and central government opportunities
- Die making companies & tool rooms
- TVS Group of companies(Wheels India, Sundaram Clayton Ltd)
- Automobile industry (Ford, Hyundai, & Nissan)

CAREER PATHS FOR THIS TRADE

ENTRY LEVEL

Trainee, Machine Operator, Tool room operator, Assembly Die Operator

MIDLEVEL

Assembly Section Supervisor, Tool room supervisor, Designing tool drawings

SENIOR LEVEL

Tool room manager, Self-employed, Entrepreneur

UPSKILLING OPPORTUNITIES

- Apprenticeship (NAC Certificate).
- Craft Instructor Training Scheme (CITS) in the Trade to become an instructor in ITIs
- Diploma by lateral entry (Full-time/Part-time)

