Kemendikdasmen
Direktorat Sekolah Menengah Kejuruan

lpdp
lembaga pengelola dana pendidikan

CNC TURNING & MILLING OPERATOR

Micro-Credential Training Program: CNC Turning & Milling Operator – MK003



Program Description

A foundational training program designed to develop CNC turning and milling machine operation competencies. The program focuses on safe working practices, quality procedures, machine preparation, program setup, and monitoring machining processes in accordance with industrial operating standards.

Training Structure

Fundamentals & Preparation

OHS Principles, Work Procedures, Measuring Tools, General Mechanical Machines.

Setup & Programming

CNC Machine Setup, CNC Program Input, CNC Program Editing, Machining Parameters.

Production & Competency

Machine Operation & Monitoring, Technical Drawing Interpretation, Practical Competency Demonstration.

Learning Objectives

- Apply OHS principles in CNC machining environments.
- Use measuring instruments periodically to verify workpiece dimensions.
- Set up CNC turning and milling machines according to standard operating procedures.
- Perform operational preparation and CNC program setup.
- Operate and monitor machining processes systematically.
- Interpret technical drawings for production preparation.

Training Details & Outcomes

General Information

Duration	48 Learning Hours (JP)
Method	Instructor-Led Training, Demonstration, Guided Practice, Assessment.
Requirements	Minimum senior high school or equivalent education, at least 2 years of relevant experience, and no color blindness.
Target	Vocational School Teachers and Instructors, Workshop/Laboratory Facilitators, Machining Technicians.

Training Output

- Able to perform basic CNC workshop activities safely and systematically.
- Able to prepare machining operations based on technical drawings.
- Able to perform tool, offset, and parameter setup for machining processes.
- Able to adjust CNC programs according to product specifications.
- Able to produce workpieces and identify dimensional deviations.

Training Certificate (Completion Certificate) issued by PT ATMI BizDEC.
Competency Certificate according to the selected scheme (BNSP or ATMI Industry Standards).

Program Advantages

- Hands-on Practice
- Industry Standards
- Result Analysis
- Systematic Approach
- Expert Instructors

Registration

https://kredensialmikrosmk.kemendikdasmen.go.id/detail-pelatihan/3e17d9a7-ff87-4368-96da-7df069376762

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ATMI BizDEC

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Regisvtration Deadline
28-30 September 2026