

Vocational training in Germany (Ausbildung)

Precision mechanic (Feinwerkmechaniker/in)

Feinwerkmechaniker / Feinwerkmechanikerin

You make precise metal parts for machines and devices, then assemble them. A paid 3.5-year training, in a company and at vocational school.



LEVEL Baccalaureate required	DURATION 3.5 years 42 months	GERMAN B2 required level	PAY DURING TRAINING €1,032 to €1,255 gross / month, during the training
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We are by your side from day one until you arrive in Germany.

GERMANY

+49 (0) 7033 694 18 80

CAMEROON

+237 622 20 81 64

www.campus-allemanne.org

Douala office : Rond-point Maetur Bonamoussadi – Nice Cream building (4th floor), opposite the COGENI hardware store, Douala, Cameroon

What a precision mechanic does

A precision mechanic machines metal parts by turning, milling, drilling or grinding, often on computer-controlled machines, then assembles, adjusts and checks devices and machines.

Machine

Make parts by turning, milling, drilling or grinding, on computer-controlled machines or by hand.

Assemble and adjust

Assemble the parts, build in electronic measuring and control components, then adjust machines and devices.

Check and maintain

Check the quality of the work, instruct users, maintain and repair precision-mechanical devices.

This occupation is for you if...

- ✓ you are precise and careful in making exact parts
- ✓ you have manual skill and good hand-eye coordination
- ✓ you like understanding how machines work
- ✓ you have a feel for technology and manual work

Less suitable if...

- you do not want to work in a workshop or a production hall
- you dislike reading drawings and doing calculations
- you are looking for a job with no manual work at all

A TYPICAL DAY IN THE WORKSHOP

- 07:00 Instructions and drawings** : The trainer presents the day's jobs and the drawings of the parts to be made.
- 08:00 Setting up the machine** : Prepare a machine tool, fit the tools and clamp the workpiece before machining.
- 09:30 Machining a part** : Turn, mill or drill a metal part, keeping to the dimensions on the drawing.
- 11:30 Measuring and checking** : Check the part's dimensions with measuring instruments and record the results.
- 13:30 Assembling a unit** : Assemble several parts into a sub-assembly and build in a measuring or control component.
- 15:30 Testing and tidying up** : Test how the unit works, correct the settings, then tidy the workstation.

Turning and milling

CNC programming

Measuring and checking

Assembling units

Pneumatic controls

Machine maintenance

Precision

Care

Manual skill

Technical sense

Quality awareness

How the Ausbildung works

In Germany you learn by working: this is the "dual system". You are an employee of a company and a student at a vocational school (Berufsschule) at the same time.

3 to 4 days a week at the company			1-2 days school
Year 1 Machining basics ■ Safety, measuring and checking ■ Joining and manual work ■ First machined parts	Year 2 Machine machining ■ Machining on machine tools ■ Materials and heat treatment ■ Part 1 of the final exam	Year 3 Controls and focus ■ Programming CNC machines ■ Hydraulic and pneumatic controls ■ A chosen specialisation	Year 4 (6 months) Commissioning ■ Assembly and commissioning ■ Maintaining technical systems ■ Part 2 of the final exam

Exams and qualification

The journeyman's exam (Gesellenprüfung) has two parts. Part 1, before the end of the second year, is a seven-hour practical task (30 % of the mark). Part 2, at the end of training, covers customer order, production technology, function analysis and economics and society (70 %). You obtain the Gesellenbrief, issued by the Chamber of Crafts (HWK).

YOU ARE PAID DURING THE TRAINING

1st year		≈ €1,032
2nd year		≈ €1,104
3rd year		≈ €1,183
4th year		≈ €1,255

What you need to apply

- ✓ Baccalaureate level is required.
- ✓ The required level is B2. Good technical vocabulary for the trade is a real plus.
- ✓ The work takes place in workshops, production halls, measuring labs or at a computer, sometimes at customers' premises: it demands skill, hand-eye coordination and care.

Documents to prepare

- ✓ CV and cover letter in German
- ✓ Translated baccalaureate diplomas and transcripts
- ✓ German B2 level certificate

Where it can lead

STRAIGHT AWAY

Skilled mechanic

Work at a maker of precision devices, in machine and tool building or in measuring instruments.

WITH EXPERIENCE

Business management

Take a crafts business management course (Betriebswirt nach der Handwerksordnung).

LONGER TERM

Meister or university

Work towards the Meister (master craftsman), which also allows study without the general baccalaureate.

YOUR PATHWAY WITH CAMPUS GERMANY

We are by your side from day one until you arrive in Germany

1

CHECK MY ELIGIBILITY

Take the test online or at the office

The eligibility test is done online on our website, or by visiting our Douala office directly.

2

TALK TO AN ADVISOR

Talk to our team

Germany: **+49 (0) 7033 694 18 80**

Cameroon: **+237 622 20 81 64**

3

PREPARE YOUR GERMAN

DZK, our language centre

Deutschzentrum KAGEDEV (DZK) is our own language centre in Douala. Outside Douala: partner language centres, call us to find the nearest one.

4

GET THE CONTRACT

AZUFA is always us

AZUFA is our platform: it connects you with German companies that recruit apprentices and follows your application through to the training contract.

Douala office

Rond-point Maetur Bonamoussadi – Nice Cream building (4th floor), opposite the COGENI hardware store, Douala, Cameroon



From German A1 to the first day of training in Germany

Each step is run by one of our structures. You keep the same contact from start to finish.

1

Check my eligibility

The test is done online on our website or at our Douala office.



RUN BY CAMPUS
GERMANY

2

Talk to an advisor

Review your profile, your wishes and the chosen occupation.



RUN BY CAMPUS
GERMANY

3

Learn German, from A1 to B2

Courses adapted to your starting level, up to the required B2 level. In Douala at our own language centre; elsewhere, with our partner centres.



RUN BY DZK

4

Prepare the application file

CV and cover letter in German, translated baccalaureate diplomas and transcripts, B2 level certificate.



RUN BY CAMPUS
GERMANY

5

Find the company and sign the training contract

We connect you with German companies that recruit apprentices, and follow your application through to the contract.



RUN BY AZUFA

6

Prepare the visa and paperwork

Support to gather the documents and complete the administrative steps.



RUN BY CAMPUS
GERMANY

7

Prepare your departure and settling in

Travel, housing and first steps in Germany: we prepare you before you leave.



RUN BY KAGEDEV E.V.

8

First day of training in Germany

You arrive prepared and supported, with a team that has known you since day one.



RUN BY AZUFA

Contact us

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