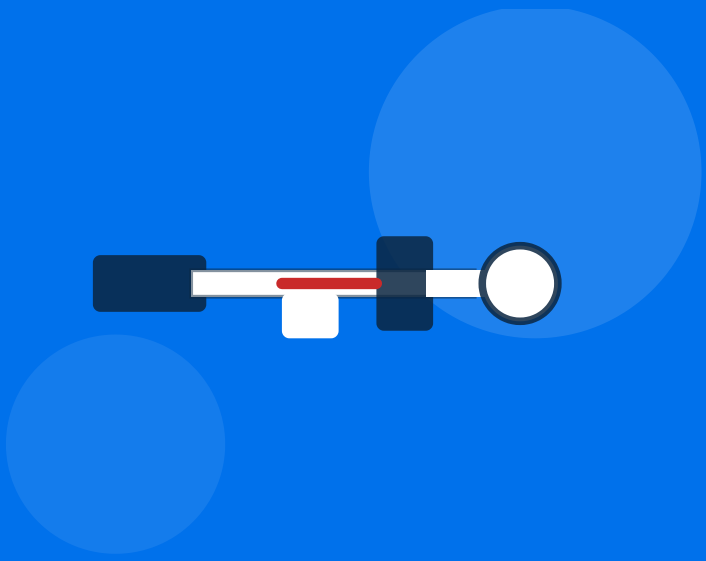
Vocational training in Germany (Ausbildung)

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	DURATION	GERMAN	PAY DURING TRAINING
Baccalaureate required	**3.5 years** 42 months	**B2** required level	**€1,032 to €1,255** gross / month, during the training

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

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CAMEROON
+237 622 20 81 64

www.campus-allemagne.org

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

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THE OCCUPATION IN 30 SECONDS

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

THE TRAINING

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

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

AFTER THE TRAINING

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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