



1. TITLE OF THE PROFESSION

4 0715 10 07 Gépi és CNC forgácsoló

2. TRANSLATED TITLE OF THE PROFESSION

Machining technician/CNC machining technician
(THIS TRANSLATION HAS NO LEGAL STATUS)

3. PROFILE OF SKILLS AND COMPETENCES

A typical holder of the certificate is able to:

- plans the process of production based on technical drawings and following the given technological parameters and operating instructions;
- uses the necessary technical tables when planning operations;
- by using a conventional machine tool, he/she grips the workpiece, fixes the tools and sets the cutting parameters, then produces the workpiece;
- uses workpiece clamping and transfer tools during CNC machining at production lines;
- writes and tests programmes for the production of basic vehicle parts on CNC machines or with simulation programmes;
- operates, sets up and produces vehicle parts with CNC machines;
- makes adjustments in the event of a technical error;
- checks dimensions and records them in a measurement report;
- observes accident, labour, fire and environmental safety regulations during his/her work;
- strictly adheres to technological specifications, strives for punctual and cost-effective work.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

7323 Machining technician

(*) Explanatory notes:

¹ In the original language. | ² The translation of the designation is provided for information purposes only. | ³ Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

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5. OFFICIAL BASIS OF THE CERTIFICATE

<p>Name and status of the authority issuing the certificate</p>	<p>Name and status of the national /regional authority providing accreditation/recognition of the certificate</p> <p>Ministry for Innovation and Technology</p>																				
<p>Level of the certificate (national or international)</p> <p>NQF level: 4</p> <p>EQF level: 4</p> <p>Digital Competence Framework level: 5</p>	<p>Grading scale / Pass requirements</p> <p>Five -grade: 5 excellent 4 good 3 satisfactory 2 pass 1 fail</p> <p>The successful completion of all the required training courses is a prerequisite for admission to the sectoral basic examination. The successful completion of all the required training courses and the continuous field practice is a prerequisite for admission to the vocational examination. The result of the basic sectoral examination will be computed into that of the vocational examination with the following weighting: Sectoral basic examination: 20%, Vocational examination: 80%</p>																				
<p>Certificate number: CXK A</p> <p>Serial number: 123456</p> <p>Certificate issue date: 2021.10.11</p>	<p>Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Sectoral basic examination</td> <td style="width: 20%; text-align: center;">passed</td> </tr> <tr> <td colspan="2">Vocational examination</td> </tr> <tr> <td colspan="2">central interactive</td> </tr> <tr> <td>Basic knowledge on machining and CNC machine operation</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">project exercise</td> </tr> <tr> <td>Machining of vehicle parts of complex geometry using conventional and CNC machining processes</td> <td style="text-align: center;">5</td> </tr> <tr> <td colspan="2">Result of the vocational examination in percentage</td> </tr> <tr> <td></td> <td style="text-align: center;">100%</td> </tr> <tr> <td colspan="2">Result of the vocational examination with grades</td> </tr> <tr> <td></td> <td style="text-align: center;">5</td> </tr> </table>	Sectoral basic examination	passed	Vocational examination		central interactive		Basic knowledge on machining and CNC machine operation	5	project exercise		Machining of vehicle parts of complex geometry using conventional and CNC machining processes	5	Result of the vocational examination in percentage			100%	Result of the vocational examination with grades			5
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<p>Access to next level of education/training</p> <p>To higher education</p>	<p>International agreements</p>																				
<p>Other information concerning the vocational training process</p>																					
<p>Legal basis</p> <p>Government Decree 12/2020 (II. 7.) on the implementation of the Vocational Education and Training Act, Government Decree 319/2020 (VII. 1.) on the amendment of Government Decree 12/2020 (II. 7.) on the implementation of the Vocational Education and Training Act.</p>																					

6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	1997 hours

Entry requirements:

- Elementary school qualification
- Occupational aptitude test is required

Further information:

VOCATIONAL PRACTICAL SUBJECT	HOURS
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Production preparation	12 hour
Machining operations	12 hour
Quality control	12 hour
CNC machining and machine operation	12 hour
Basics of CNC programming	12 hour

VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Basic electrical knowledge	12 hour
Basic mechanical engineering knowledge	12 hour
Production preparation	12 hour
Machining operations	12 hour
Quality control	12 hour
CNC machining and machine operation	12 hour
Basics of CNC programming	12 hour

Continuous field practice 160 hour

Altogether 352 hour

Link to the Programme and Outcome Requirements and the Programme Curriculum: <https://ikk.hu>

The present certificate supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: <https://nrk.nive.hu>

Head of Examination Organiser:

Issue date: 2021.10.11

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