

**1. TITLE OF THE CERTIFICATE (ES)**

Certificado de Profesionalidad de nivel 2 en  
VICI0412 OPERACIONES EN LÍNEA AUTOMÁTICA DE FABRICACIÓN Y TRANSFORMACIÓN DE VIDRIO

**2. TRANSLATED TITLE OF THE CERTIFICATE (EN)**

Professional Certificate Level 2 in  
VICI0412 OPERATIONS OF GLASS MANUFACTURING AND PROCESSING IN AUTOMATIC PRODUCTION LINES  
(This translation has no legal status)

**3. PROFILE OF SKILLS AND COMPETENCES**

The holder of this certificate will have acquired the **general competence** to operate in automatic lines of glass production and processing of glass products, and do the preparation, setting up and shutdown of equipments and facilities, complying with the quality, safety and environmental measures established. This general competence is divided into the following **skill units**(UC):

- Make the automatic melting and shaping of glass (UC0151\_2).
- Make tempered, curved or laminated glass (UC0152\_2).
- Develop double glazing (UC0153\_2).
- Apply surface treatments on glass products (UC0154\_2).

The professional skills are acquired through the **learning outcomes** defined within the related Training Modules (MF):

- Smelting and shaping of glass products operations (MF0151\_2).
- Industrial tempering, curving and laminating of glass (MF0152\_2).
- Double glazing (MF0153\_2).
- Surface treatments on glass products (MF0154\_2).
- Practical training at the workplace in operations of glass manufacturing and processing in automatic lines (MP0533).

(See legal basis for all learning outcomes information acquired by the holder of this Certificate in each MF).

As a reference the learning outcomes include in the Practical training at the workplace that complete and reinforce the learning outcomes acquired in the other training modules, are:

- Participate in the merging of different glass batch composition.
- Perform formed products from molten glass masses.
- Perform tempered or curved glass products.
- Perform laminated glass products.
- Collaborate in the development of glazing for acoustic insulation.
- Participate in the industrial process of glass slice-cutting by vapor deposition ("sputtering").
- Participate in the production process of glass slice-cutting using chemical reactive agents treatments in the glass surface.
- Participate in the working processes of the company, following the rules and instructions established at the workplace.

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

The holder of this certificate may work in the field of flat glass manufacture; glass tubes; automatic production of hollow glass; manufacture of glass for the construction and insulators; lighting glass manufacture; manufacture of glass microspheres for signalling; manufacture of glass for laboratories, pharmaceutical and medical use; fiberglass manufacture and manufacture of glazing for construction and automotive sectors. The most relevant occupations and work positions are:

- Operators in factories for the production, processing and handling of glass, ceramics and similar products.
- Floater-annealer of flat glass.
- Operator of cut and packaging of flat glass.
- Operator of machine of automatic glass forming.
- Hollow glass annealer.
- Transformer of flat glass for glazing in construction.
- Transformer of flat glass for automotive applications.
- Silkscreen lab technician.
- Other operators in glass and ceramics industries.
- Operator of dosage and fusion.
- Applicator of surface treatments.

## 5. OFFICIAL BASIS OF THE CERTIFICATE

### Name and status of the national/regional authority providing accreditation/recognition of the certificate

The Ministry of Employment and Social Security or the corresponding autonomous regional administration within the scope of its competence, in the name of the King. The certificate is valid throughout Spain.

### Level of the certificate

The Professional Certificate Level 2 of the National Repertoire of Professional Certificates corresponds to level 3 of the International Standard Classification of Education (ISCED-P 2011).

The European Qualification Framework (EQF) level:

### Grading scale/Pass requirements

The grading scale and pass level of the training modules are expressed on a scale of 0 to 10. The minimum score for a pass is 5 in every training module including a pass in the practical training at the workplace module.

The grading system is as follows:

- FAIL: 0 to 4.9
- PASS-SATISFACTORY: 5 to 6.9
- PASS-GOOD: 7 to 8.9
- PASS-EXCELLENT: 9 to 10

### Access to next level of education/training

This Professional Certificate Level 2 gives access to Professional Certificate Level 3 within the same professional area and family.

For validation purposes, the educational authorities will recognise the professional module or modules of the VET diplomas corresponding to the skills units included in the training modules of this certificate.

### Legal basis

Royal Decree 993/2013 of December 13th, by which four professional certificates of the professional family "Glass and ceramics", included in the National Repertoire of professional certificates are established, and the professional certificate established as Appendix IV of the Royal Decree 1775/2011, of December 2nd is updated. (Appendix II, Code: VICI0412)

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

This certificate may be acquired by:

1. Training: Completion with a pass grade of the face-to-face or online training programme.
2. Recognition of the professional skills acquired through professional experience or non-formal training (prior learning): Completion of a process of skills evaluation and accreditation in all the skills units making up the professional certificate.
3. Dual training: Completion of a training and apprenticeship contract, which may range from 1 year (or 6 months, if stipulated as such in the collective agreement) to 3 years, during which effective working time is combined with time dedicated to training under the training programme for the professional certificate.

The training method (number 1 above) requires successful completion of the training modules and the practical training at the workplace:

Description of vocational training received	Percentage of total programme (%)	Duration (hours)
Training modules	86	500
Practical training at the workplace	14	80
<b>Total duration of training leading to the certificate</b>		<b>580</b>

### Entry/access requirements:

- Compulsory Secondary Education Diploma (Lower secondary education); or
- Professional Certificate Level 1 in the same professional area.
- If neither of the above or higher certifications are held, a pass in the key skills tests.

**Additional information:** Professional certificates are instruments for official accreditation of the professional qualifications in the National Catalogue of Professional Qualifications for all economic activities, within the scope of the labour administration. The National Repertoire of Professional Certificates is divided into three qualification levels (Level 1, Level 2 and Level 3), and by sectors into 26 professional families and 102 professional areas. More information is available at: [www.sepe.es](http://www.sepe.es)

National Europass Centre: [www.sepie.es](http://www.sepie.es)

(\*) **Explanatory note:** This document is designed to provide additional information about the specified certificate, but has no legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications; Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates; and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information is available at: <http://europass.cedefop.eu.int>

## Information on Professional Certificates of the Map of Qualifications and Vocational Training in Spain

