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| **BEM Микрокреденцијал** |  |

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| **BEM content (for all partners)** | Title/name of the  credential | Operator of machines for the production of plastic components by injection molding (plastic worker) | | |
| Function of the micro-credentials /  purpose | The purpose of the microcredential program is to train participants to independently perform work on the production of plastic products, maintain tools, machines and devices in the production of plastic parts. | | |
| Possible target groups | unemployed people, people who want to retrain | | |
| Branch/sector of application | Plastic workers can work in various industries that produce finished or semi-finished products from plastic: light industry, food industry, aviation  and automotive industry. | | |
| Fields of application /  work environment | mechanical engineering, electronics, production of packaging, sports equipment, electric motor parts, etc | | |
| Typical work/professional tasks | Placement of tools on machines, removal of jams and control of machine operation  Stops the machine in case of non-compliance  Material filling - preparation and filling of raw materials into injection molding machines  Application of technological - working instructions and instructions Quality control - visual inspection of finished products to ensure their compliance with quality standards  Packaging - packaging of finished products and preparation for further  processing or transport | | |
| Learning outcomes (personal and job related) | *Knowledge*  - distinguishes types of plastic materials and their properties;   * explain the technological process of plastic production and processing; * explain the basics of pneumatic and hydraulic techniques management in the automation process; * describe the types, constructions and operation of injection molding machines; * explain the monitoring, control and optimization of all process parameters; * explain the procedure for detecting and removing errors on the product; * differentiates the methods of quality   control of the plastic artist's work; | *Skills*   * uses technical- technological documentation during work; * prepares the necessary equipment, devices and tools according to the work order; * preparation of raw materials for processing as prescribed recipes; * installs, assembles and connects machines and devices for manufacture of plastics and plastic products; * sets machine and device parameters in accordance with technical documentation; * operates the injection molding machine; * replaces tools, molds and simple assemblies on machines for making plastics according to instructions and under supervision; * checks the operation of | *Key competencies*   * Preparation and organization of work; * Management of the machine for injection molding of plastics and products from plastic; * Maintenance of tools, machines and devices in production   plastics and plastic products;   * Quality control in accordance with standards production process; |

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|  |  | * describe the procedures of standard tool maintenance measures,   machines and devices;   * describe the types of technical documentation and guidance records; * describe environmental protection procedures in the process production and processing of plastics; | machines by monitoring parameters and eliminates machine jams;   * performs regular machine maintenance   ensuring its optimal operation;   * disposes of waste material in the prescribed manner; * ensures the quality of the product; * disposes of waste material in a prescribed manner; * effectively applies prescribed life protection measures   environment in the process  of production and processing of plastics; | |  |
| Validation | *Eligibility criteria*   * reliability; (compliance of the assessment with established, public and precise assessment criteria); * validity; (the evaluation shows the effects of learning - achievement of the results, engagement and progress of the students); * diversity of assessment methods: (choice of appropriate and application of different assessment methods and techniques to ensure the validity, reliability and objectivity of assessments); * evaluation without discrimination and   selection on any basis; | | *Procedures*   * formation of the examination committee; * determining the list of tasks for the exam; * extraction of work tasks; * verification of competence by performance of tasks; * examination records; * awarding of certificates; | |
| Recognised/accepted | Company name: | | | |
| (documented by MoU) | Johnson Electric d.o.o. Nis, Serbia | | | |
| Organizers of training and training/ Provider(s) | Vocational secondary schools  Publicly recognised organisers of educational activities (ЈПОА) | | | |
| **Additional information (if needed)** | Entry level / prerequisites | NOKS level 1 - primary education and upbringing, primary adult  education, primary ballet education and upbringing and primary music education and upbringing | | | |
| Possible duration (recommendation) | 125 hours |  |  |  |
|  | Position in the chain of |  |  |  |  |
| **Specific content (national)** | educational programmes | Non-formal training |
| Reference to NQF | 3rd level of NOKS; 3rd level EOK | |  |  |
| **(if needed** |  |
| Credits | 5 |  |  |  |