

Attachment No. 3

Specification of the subject matter of the order

Subject of the order no. 1
Production of housings for specialized phantoms simulating cancerous lesions subject to biopsy
<u>Technical requirements</u> 1) Possession of machinery: (a) for the processing of plastics by vacuum or vacuum thermoforming technique, among others, a thermoforming machine that allows the attachment of a sheet of min. 700x500mm and thickness min. 3mm and a forming depth of min. 200mm OR (b) for manufacturing fiberglass or carbon fiber components with overall dimensions of min. 300x500x200mm 2) Having an autoclave or press with temperature-controlled heating plate <u>Required knowledge and experience</u> - Having experience in prototype, batch and die production - Having experience in the design and production of dies/molds: (negative/positive) for parts with complex shapes - Knowledge of materials, parameters, requirements, limitations for processing technology of i) HIPS, ABS, ABS/PMMA, OR ii) glass or carbon fiber composites <u>Additional requirements:</u> The subcontractor undertakes to deliver the subject of the order in accordance with the terms of the request. It is also acceptable for the order to be the subject of a project managed by a unit with experience in robotic devices/medical devices that can integrate the order.
Subject of the order no. 2
Production of inserts for specialized phantoms simulating cancerous lesions subject to biopsy
<u>Technical requirements</u> 1) Possession of a machinery for processing plastics by casting, including vacuum or underpressure, among others, a vacuum or underpressure chamber allowing to make components with overall dimensions of min. 300x500x200mm

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Required knowledge and experience

- Having experience in prototype, batch and die production
- knowledge of materials, parameters, requirements, limitations for resin (including polyurethane and urethane, epoxy) and gel (including ballistic) processing technologies

Additional requirements:

The subcontractor undertakes to deliver the subject of the order in accordance with the terms of the request. It is also acceptable for the order to be the subject of a project managed by a unit with experience in robotic devices/medical devices that can integrate the order.

Subject of the order No. 3

Conducting tests of the BONITO device on specialized phantoms

Technical requirements

Possession of a CT scanner - to take diagnostic images and conduct the experiment (biopsy) in the scanner room.

Requirements for personnel

- 1) at least one person with a degree in the field (biomedical engineering, medicine or related) with at least a PhD degree
- 2) min. 5 years of experience in performing biopsy diagnostics
- 3) min. 15 years of experience working with surgical robots

Additional requirements:

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