

# COVID-19: Personal protective equipment reusable half-mask with an P3 exchangeable external filter made by mould-injection offered for a licence or commercial agreement with technical assistance

- **SCHEDA**
- **APPROFONDIMENTI**

Identificativo proposta: TOCZ20200430001

**RICHIEDI MAGGIORI INFORMAZIONI**

A Czech start-up in cooperation with industrial and university partners has developed a protective half-mask with an exchangeable P3 filter meeting the highest degree of protection. The set consists of the body of the mask manufactured by injection moulding and an external filter, which meets the same or higher degree of protection as an FFP3 respirator. The company is looking for a license or a commercial agreement with technical assistance.

The Czech start-up has developed a personal protective device - a half-mask - with an exchangeable FFP3 filter that meets the highest degree of protection. While a mask usually covers whole face, the half-mask covers only mouth and nose as it is demonstrated on the picture below. The set consists of the body of the mask manufactured by injection moulding and an external filter certified according to the EN 140:1999 norm and therefore meets the same or higher degree of protection as a FFP3 respirator. The half-mask is prepared to be used in the highest exposure clinical settings and a verified procedure exists to sterilise and disinfect it for repeated use. Therefore, it is a critical device for the protection of the lives of doctors and other front-line workers meeting people who are under suspicion of or have been proven to have COVID-19. Selected specifications: - Durable material: Polyamide + Thermoplastic polyurethane (face sealing) – storage period >10 years - Filter – Filtration efficiency: 1 - 10–4% (0,0001%) of particle size; thread connection: EN 148-1 Rd 40x1 / 7" or GOST 8762-75 OZ 40x4 mm - The filter sterilization is possible with 70°C heat - Thread connection can be adjusted to client's specification – injection mould modification - Sterilization/disinfection: Autoclave, Ethanol - Weight 150 g (complete set); 50g without filter There are two possible cooperation types foreseen: In the case of licensing agreement: The partner interested in licensing agreement will be provided with all documentation how to manufacture the half-mask including all technical drawings and information necessary to start own production based on an upfront payment and a license-fee based on sold pieces. In the case of commercial agreement with technical assistance: The partner interested in the manufactured half-masks will be provided with manufactured masks including technical assistance and training concerning its usage, filter exchange and service care.

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**Paese:** Czechia

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