



## High-capacity production machine for FFP1 / FFP2 / FFP3 face masks

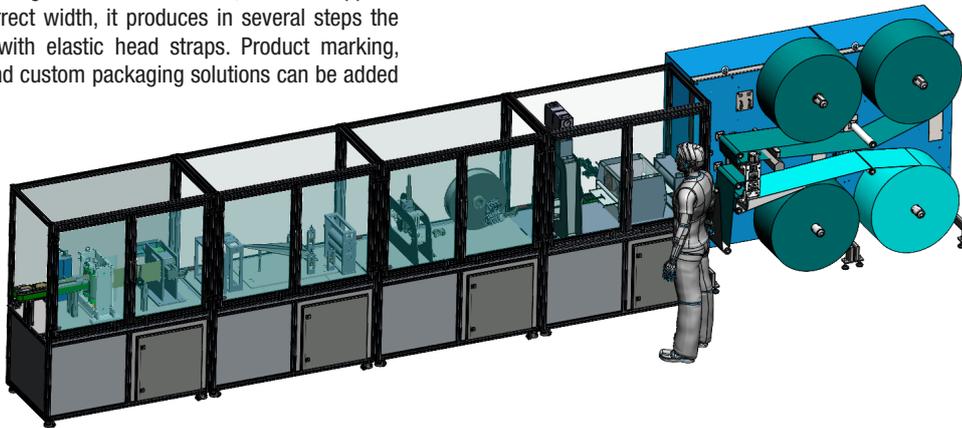
The experiences with the ongoing COVID-19 pandemic have made it clear that the availability of personal protective equipment such as FFP2 masks in sufficient quantity is of paramount importance for the effectiveness of countermeasures. Face masks are now prescribed or at least strongly recommended to the general population by many national and local governments. The goal is to hamper the spread of the virus while allowing a higher personal

mobility for the people in their everyday lives.

In order to be able to meet the resulting enormous increase in the demand for face masks on short notice at times when one cannot rely on overseas imports, high-capacity production machines are required that can be operated economically in the region.

### Working principle of machine

The machine has a **modular design** to facilitate the adaptation to custom products. Starting with the raw material, which is supplied on rolls with the correct width, it produces in several steps the folded face masks with elastic head straps. Product marking, quality inspection, and custom packaging solutions can be added as options.



Demcon industrial systems develops and builds the machines in-house and can therefore easily customize, adapt and re-engineer the machine according to the client's specific requirements:

- other mask designs: FFP1, FFP2, FFP3 different number of layers, different materials, different mask geometries
- additional process steps: packaging, individual marking, automated quality control with machine vision
- integration in the existing production: interfacing with pre- and post-processing lines

### Technical characteristics

Specification	Quantity
Installation footprint	9 m x 1.5 m x 2 m
Output	200,000 to 400,000 masks per week, depending on production schedule.
Material	Non-woven fabric, Meltblown Non-woven
Mask types	Designed for FFP2 masks, other masks can be made available on request.
Layer quantity	1 to 4 (standard), 5 or 6 (optional)
Power	14.5 kW
Power supply	400V / 50Hz
Air supply	Instrument air
Controls	Graphical user interface with remote maintenance capabilities

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