

## Ultrasonic components for folding masks

Information sheet for system construction



 Sealing points

 Sealing lines

- » Economical and reliable production
- » Maximum clock rates through dynamic control
- » High process repeatability
- » Simple retrofit of non-CE-compliant ultrasonic components

### Manufacturing methods

The various connection and cutting tasks can be carried out with both individual workstations or automatically in special-purpose systems. The ultrasonic core components required for this—such as converters, boosters, sonotrodes, generators and process controllers—are identical. For trimming and simultaneous edge sealing, the proven Telsonic cut'n'seal process is used.

### Connection tasks

- » Circumferential edge sealing of the filter layers with structured sonotrode
- » Diamond-shaped embossing in mask front
- » Fixation of the nose-shaped bracket
- » Installation and sealing of an optional valve
- » Fixation of the carrying straps
- » Seal welding of the folding area

### CE-compliant ultrasonic components for system construction



MAG digital ultrasonic generator



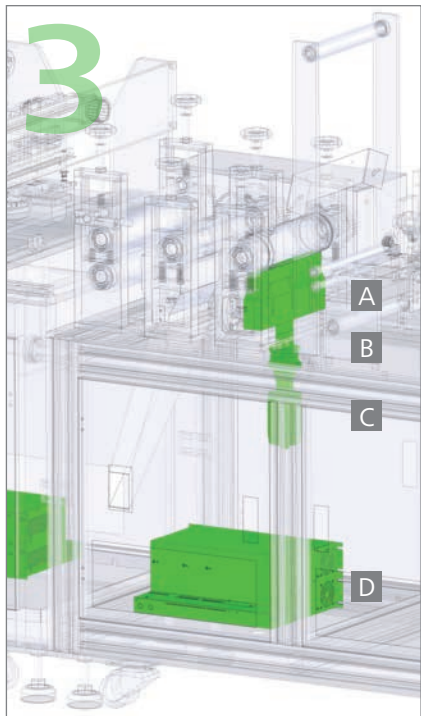
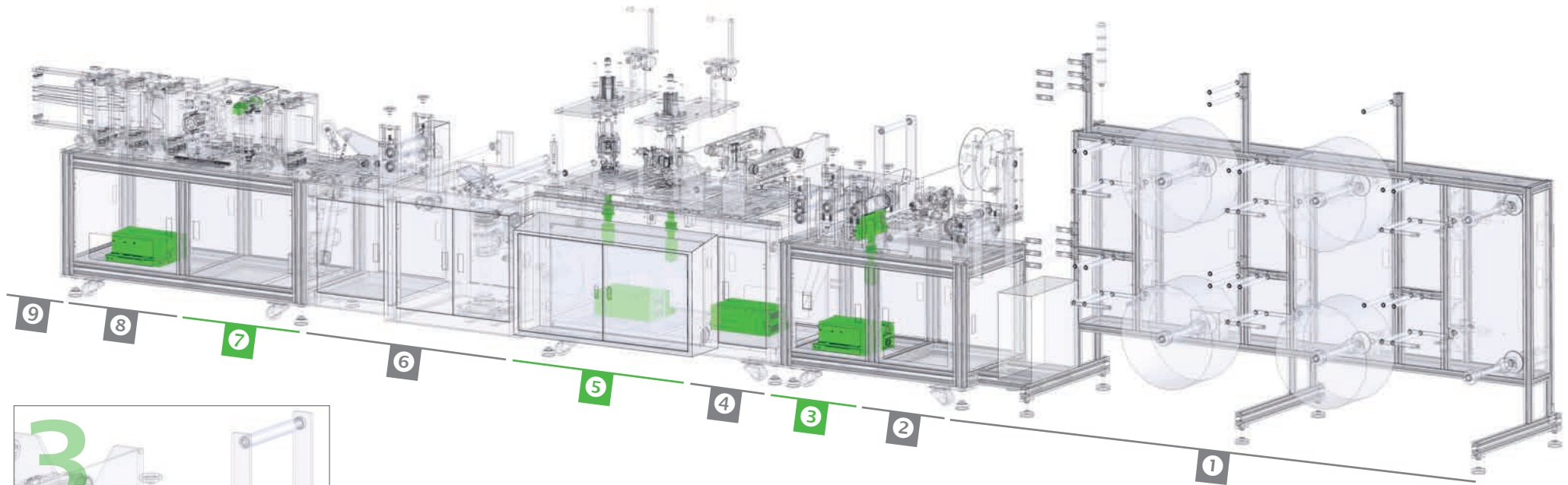
Acoustic tools



Ultrasonic converter

## Ultrasonic components in the production plant

Information sheet for system construction



### Telsonic ultrasonic components

For smooth mask production, Telsonic offers ultrasonic components that are precisely tailored to the application. The generators, converters, boosters and sonotrodes impress with their reliability and high clock rates.

The components can be integrated both as a retrofit in existing systems and in completely new production lines.

- A** Sonotrode (welding tool)
- B** Booster
- C** Ultrasonic converter
- D** MAG digital ultrasonic generator

- 1** Fleece unrolling
- 2** Cut and insert nose clip
- 3** Weld mask contour
- 4** Label mask
- 5** Weld on the left and right ear loops
- 6** Fold mask
- 7** Weld folding area
- 8** Cut out mask contour
- 9** Finished mask is ejected