



NONWOVEN

D-TECH FACE MASK

HIGH-SPEED CONVERTING LINE
FROM THE EXPERTS IN HYGIENE

ANDRITZ

ENGINEERED SUCCESS

Fully automatic, high-speed face mask production line

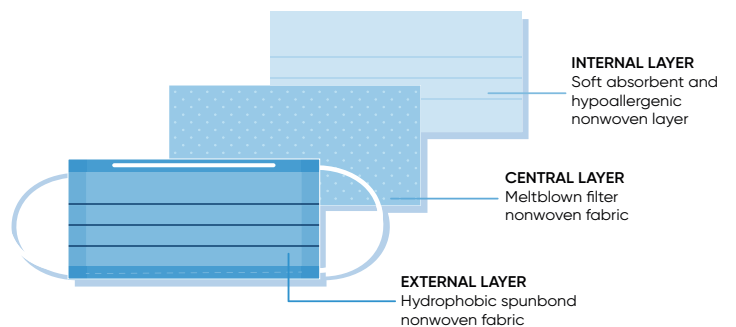
Ensure highest quality and hygiene standards: The global health crisis has propelled us to seek effective solutions as a contribution towards overcoming the COVID-19 pandemic. The coronavirus is spreading very quickly and the demand for protective equipment is rising dramatically. These products are now more important than ever. With this in mind, we have modernized a technical solution for a fully automatic, high-speed face mask converting line for the production of surgical and other disposable face masks.

The new ANDRITZ D-TECH face mask line automatically produces and laminates three or more layers of fabric (spunbond, meltblown, thermo-bonded nonwovens, and others) and comprises unwinding and guiding units for nonwoven webs, cutting and positioning devices for the metal nose clip, an edge welding and cutting unit, a 90° rotation process, and positioning and welding of the ear loop elastics.

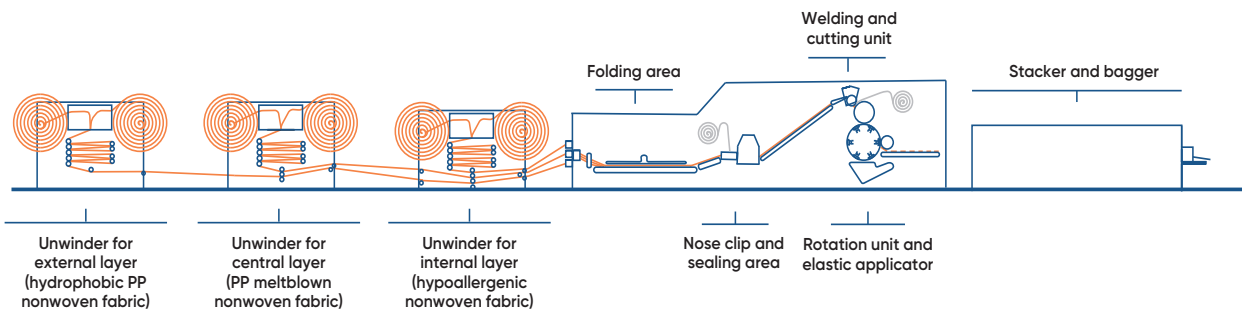
The line has a speed of 110 m/min and is able to produce up to 750,000 face masks per day. There are also different packaging options available: products can be packed in bags by an automatic flow wrapping machine or in cardboard boxes by an automatic cartoner.

MACHINE SPECIFICATIONS

Pieces per minute	up to 600
Pieces per day	up to 750,000
Uptime efficiency	approx. 90%
Production speed	up to 110 m/min
Overall dimensions (LxWxH)	14,000 x 2,000 x 2,500 mm



3-layer surgical face mask



ANDRITZ D-TECH face mask line layout



BENEFIT FROM A TRUSTWORTHY PARTNER

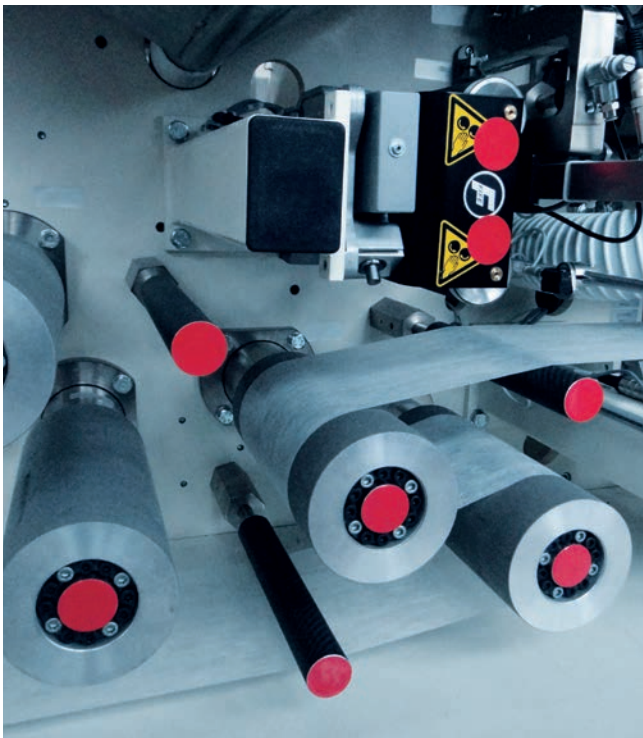
We design and manufacture a wide range of machines and technology solutions for the production of baby diapers, baby pants, adult incontinence products, sanitary napkins, panty shields, and under-pads. Always at the forefront of innovation, ANDRITZ Diatec has broadened its production horizons by delivering new lines for food pads, lamination, medical products, disposable gloves, headrests, surgical drapes, spool winding equipment, and now also face masks.

HIGH PRECISION FOR YOUR SUCCESS

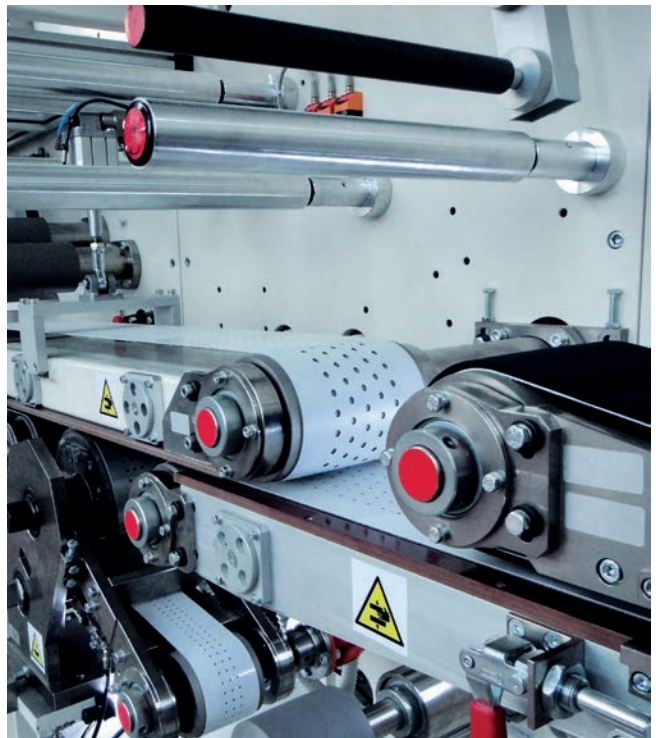
Our machines are characterized by the use of high-precision mechanical tooling and high levels of automation. The bulky structure of the core formation provides stability and ensures minimized vibrations, thus making the production environment more pleasant. The production process is easy to monitor and adjust during operations. Our machines achieve high efficiency in terms of OEE and low waste rates. The use of top-notch components ensures long-term reliability of the machines and consistent savings in terms of spare parts and technical intervention. In addition, all our machines are designed, manufactured and tested entirely in Italy, using EU or US components, in compliance with CE regulations.

YOUR BENEFITS

- High-production speeds lead to enhanced production capacity
- Non-stop production and robust construction
- High-end continuous production due to splicing systems
- Operator-friendly process and reduced maintenance downtimes
- Energy-efficient process
- Additional quality control system for highest quality standards
- Flexible approach with a variety of packaging solutions (flow wrapping, cartoner)
- Full support from ANDRITZ Nonwoven experts optimize your production



Web guiding



Inside the D-TECH face mask line



GET THE MOST OUT OF YOUR INVESTMENT

At ANDRITZ Nonwoven we know that your business depends on satisfied customers and efficient processes. That's why we support you in every aspect of your nonwoven production. Take advantage of technology that lets you produce consistent quality for decades to come. Profit from the highly efficient use of energy and raw materials that our production provides. You can rely on our responsive service teams who will protect your investment and optimize your processes. Experience how innovative approaches and digital services give you more control than ever before. With ANDRITZ, the leading supplier for the nonwovens market, you get the most out of your investment.

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