



COMPANY  
PRESENTATION  
PRODUCT  
CATALOGUE

2020



# WHO ARE WE



ASTEK Medical is one of the leading manufacturer of medical products in Turkey. We achieve to create solutions purposefully designed and manufacture to provide products of the highest quality and hygienic conforming with international regulatory. Our mission is to provide sustainable worldwide trustable brand and products to support delivery of healthcare to those who need it most.

# ABOUT US

Astek medical was born out of willing to help and support people to avoid covid 19. We provide to improve social and personal well-being. Pandemic environment lead us to get action to protect people and their lives from this virus. to stop it's spreading to the world we determined to produce medical products and working for virus to come an and. every day we provide protective equipment and continue to expand our product portfolio with research and investment into the manufacturing of our machinery operations to elevate our products performance and quality.

# 01 AT-34 / AT-58 Fully Automated 3 Ply Mask Machine



## THE MAIN FEATURES OF THE MACHINE INCLUDE:

- Ultrasonic welding capabilities with very high levels of stability.
- Multi-functional integrated machining systems with precision welding of earloop elastic and high output of finished products with automated collection and stacking.
- Photo-electric sensor detection which is highly reliable with low rates of failure.
- Compact in size and covers a very limited amount of floor space for high productivity capacity.



ASTEK Medical has established production one of the most advanced domestically manufactured mask machinery and continues to dominate as leader in the European market.

Our expert engineering teams have designed and built reliable and efficient production of 3 ply disposable surgical mask machinery with fully automated elastic loop attachment using the the highest quality components with current daily production capacity AT-34 100.000 units and AT-58 160.000 respectively.

We have a reliable and sustainable manufacturing facility without the dependency of external technical and servicing support for parts and continue to upgrade our models for improved consistency in production performance. In addition to very little wastage of raw materials cost the surgical mask making machine performs most of its functions automatically without the help of an operator providing further savings but more importantly the risk of contamination is reduced.

The importance of efficient production is paramount to protect aid workers health while improving comfort and satisfaction with performance.

Our N95 machinery has been added to our portfolio and expansion plans for rapid increase in production to support global aid workers are in progress.

# 01 AT-34 / AT-58 Fully Automated 3 Ply Mask Machine



## Features

| MODEL  | AT-34   | AT-58  |
|--|---|--|
| Mask Type  | Size: 175 mm x 95 mm<br>Flat earloop disposable medical face masks  |  |
| Productivity Varies According To Production Management | 80 ~ 100 Pcs / Min  | 100 ~ 130 Pcs / Min                                      |
| Leadtime Confirm With Sales In Advance                 | 23 ~ 28 Days  | 25 ~ 30 Days   |
| Power  | 220V AC ± 5% , 50 Hz, ~7 Kw   | 220V AC ± 5% , 50 Hz, ~8.8 Kw                            |
| Dimensions (Lxwxh Mm)                                  | 4500 x 2500 x 1700  | 6800 x 4800 x 1860                                       |
| Area Occupied  | ~ 15.8 m2   | ~ 32.6 m2  |
| Compressed Air Source Requirements                     | 0.5~0.8 Mpa With Basic Filtration Airflow Rate 300 L/min  | 0.5~0.8 Mpa With Basic Filtration Airflow Rate 305 L/min |
| Facility Environment Requirements                      | Temp. 10~40 Oc / Humidity 5~35 % / No Flammability Possibilities / No Corrosive Gas, No Dust / Air Cleanliness Is Not Less Than 100,000 |  |
| Ppm  | ≥ 60(60 ~ 80), Varies according to materials and specifications   |  |
| Qualified Rate   | ≥ 99% (Under correct raw materials and running)   |  |

### TYPE IIR MATERIALS

We have selected and developed materials to provide the highest performance levels tested by international reputable laboratories.

Our commitment to surpassing entry standards for international testing targets has driven our ambition to elevate ASTEK Medical products to lead the market with unrivalled performance.

\*Certification and test reports are available on request.



**ASTEK  
MEDICAL  
PROVIDES  
PROTECTIVITY  
AND  
HEALTHCARE**



## 02 Type IIR Surgical Mask Production Line



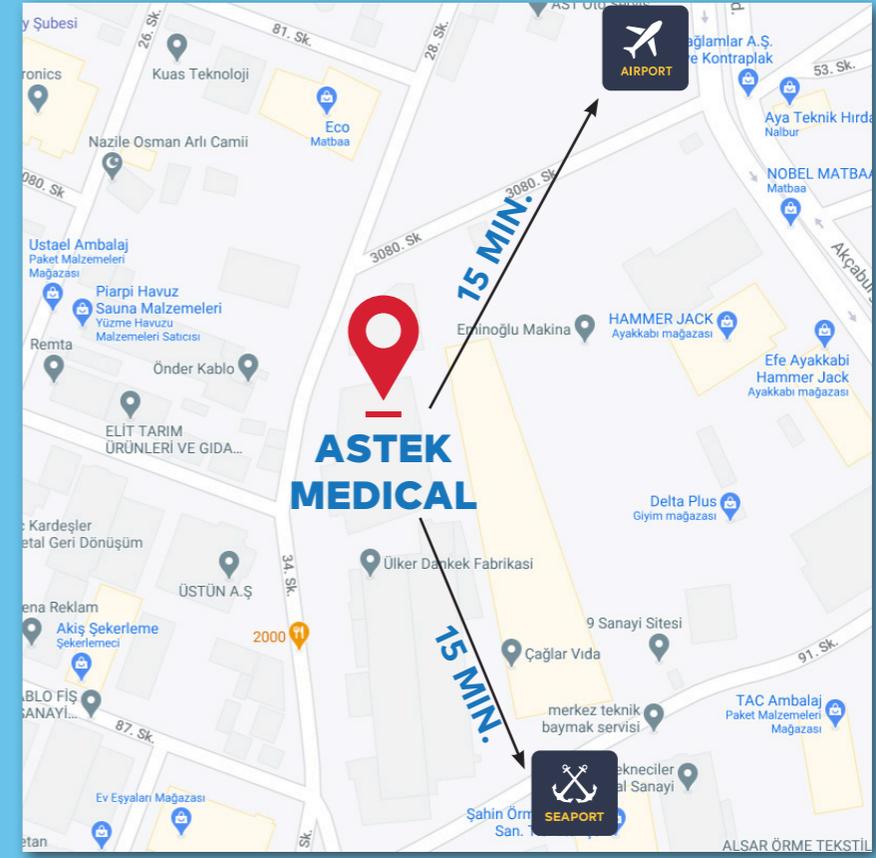
Our facility is established on an area of 4.750 square meters and produces with 180 colleagues.



#### LOCATION

Our facility is located in the center of Istanbul, 15 minutes from Istanbul Airport and Avclar Seaport.

## 02 Type IIR Surgical Mask Production Facility





### 03 Type IIR Surgical Face Mask



#### ABOUT THIS PRODUCT

- 3-ply disposable surgical face mask
- Available in 12 different colors
- BFE of 99,9%
- Fluid resistance in excess of 16kPa / 120 mm Hg
- Breathability differential pressure below 60a / cm2 \* FDA certified
- Conforms to EN 14683:2019

#### PACKAGING

- 5 - 10 - 25 - 50 VACUUM PACK
- 25 - 50 - 100 BOX PACK
- Carton and bulk packaging details available on request.

Our Type IIR 3-ply disposable surgical face mask, soft and comfortable fitting with ear loops and easy breathability has been designed to perform above test entry requirement levels for international certification standards. Every detail from the production and testing of non woven fabrics, elastic quality to minimise skin irritation has been carefully selected.

Available in both sterile and non sterile packaged options.

#### A - Outer Layer

Hydrophobic non-woven layer. Antibacterial & repellent non-woven fabric.

#### B - Middle Layer

High barrier meltblown filter.

#### C - Inner Layer

Soft skin-friendly non-woven fabric.

'STAY ARMED'  
WITH  
THIS KEYWORD  
WE CAN PROTECT  
THE ONES  
WE LOVE





Respiratory masks are the best way to prevent disease from spreading and ideal for precaution and protection against viruses. This lightweight single use disposable FFP3 medical grade cup mask with respirator is designed to provide highest level of protection against exposure to airborne viruses and bacteria particles.

#### ABOUT THIS PRODUCT

- FFP3 protective mask with filter
- Available in white colour
- BFE in excess of 95%
- Conforms to EN 149:2001+A1 2009
- Meets requirements of EU 2016/425
- FDA certified

#### PACKAGING

- Single sealed unit. Carton and bulk packaging details available on request

## 04 Protective FFP3 Face Mask







FFP2 mask design provides comfort and protection with nano technology filter allowing multiple use. The ergonomic three dimensional design and adjustable nose bridge provides an improved seal to protect against pollution and bacteria. The nanofiber filter provides strong protection with high filtration efficiency and breathability compared to most alternative options. Advances in NANO technology very fine fibres only a billionth of a meter in thickness create airpockets smaller than most viruses and bacteria. Further blocking finer particles of micro dust, allergen, pollen and airbourne irritants with increased permeability allowing moisture to escape and increased airflow.



## 05 Protective FFP2 Face Mask

Lighter than a sheet of paper without compromising performance. FFP2 mask popularity will further increase as mask protection becomes mandatory in public throughout the globe.

### KEY FEATURES

- Increased air permeability
- Waterproof
- Antibacterial
- Ultralight
- 3 Dimensional design

### ABOUT THIS PRODUCT

- Protective mask
- Available in white
- BFE in excess of 95%
- FDA 510k certified
- Conforms to EN 149:2001+A1 2009
- Meets requirements of EU 2016/425

### PACKAGING

- Single sealed unit
- Carton and bulk packaging details available on request.

## OUR CERTIFICATION





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## OFFICE & FACILITY

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