INSPIRING SOLUTIONS OF ENGINEERING

www.saguengineering.com
SAGU Engineering is, Beside of own capabilities, SAGU Engineering manages manufacturing activities with 5 partner factories in Turkey. SAGU policy is to support our customers with high quality manufacturing which have optimum costs, with an excellent project management. Our purpose is to reduce our customers' workload and costs with our experienced management and QC team.

SAGU Engineering has experience at industrial manufacturing for more over 14 years. With this experience, we exactly know about outsourced manufacturing problems that our customers were living before they start cooperation with SAGU Engineering. Thus, we combine our experience with our high manufacturing capability and Quality vision of view to present the best for our clients. At the end of the day, this point of view brings to SAGU Engineering the self-confidence of fulfill the commitment to our customers who are beginning to became our allies.

As the basic production logic of our working methodology is applied as; production in accordance with the relevant quality standards, on-time delivery and effective cost. We are also choosing our suppliers with the same perspective in the manufacturing and servicing fields, in order to offer to our customers better. SAGU team is familiar with high technical specifications and international standards, and are ready to respond to your needs in a timely manner.

“Inspiring solutions of engineering” motto is the focal point of SAGU Engineering to have fully satisfied customers turned into allies.
• Human Disinfection Systems
• Cattle Breeding Farm
• Poultry Breeding Farm
• Milk Production Facilities
• Integrated Meat Plants
• Feed Factories
• Slaughter House
• Airports
• Military Units
• Ports
Latest Technology in Biosafety Systems

Primary professional solutions to occur in mind when it comes to biosecurity systems are human disinfection systems, vehicle disinfection systems, sanitation lines and hygiene corridors. For humans, hand disinfection, shoe bottom disinfection, and cloth disinfection are applied. For vehicles, wheel disinfection, chassis disinfection, and disinfection for the entire vehicle can be applied.

Technologies used in disinfection systems have gained a more modern structure by making great progress in recent years. Disinfection systems have started to attract great interest especially in the fields of livestock and food production. In this regard, the importance attached by the increasing number of professional, visionary and conscious managers and businessmen in the mentioned sectors plays great role. Establishing biosecurity systems and taking biosecurity measures in the livestock sector have been made legally mandatory in some countries. In this context, some funding programs such as IPA Rural Development (IPARD) provide financial support as well.
Advantages of Disinfection Systems

The most important advantages of modern systems with latest technology automation and application modules can be listed as:

Eco-friendly: It provides minimum 80% saving in water and disinfectant usage.

Economical: It performs a full-automatic disinfection without requirement of personnel employment and high maintenance costs.

Intense Penetration of Disinfectants: Penetration at molecular level is provided to the entire outer volume of the human or vehicle in the disinfection process.

The main factor in the provision of these advantages is the disinfection with pulverization (fogging) technology. The use of this technology in disinfection systems is revolutionary in the field of biosecurity.
What is Pulverization (Fogging)? How does the system work?

Pulverization is the disintegration of water into granules under high pressure at micron levels.

Produces the fog cloud image in the environment where pulverization is applied. The granules formed by the systems using minimum 70Bar high pressure pumps are so small that they do not settle and remain suspended in the air and evaporate in the air depending on the ambient humidity.

Pulverization provides more surface area with the same amount of water. This is the most difference from low pressure systems.
IDS-10 HUMAN DISINFECTION SYSTEM
IDS-10

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

- Whole Body
- Shoes Bottom

**Size of IDS-10 Tunnel**
- Width : 1.1m
- Length : 2.35m
- Height : 2.20m

**Size of IDS-10 System Unit**
- Width : 450mm
- Length : 600mm
- Height : 600mm
IDS-10 HUMAN DISINFECTION SYSTEM

Product Qualification

- It is made of stainless steel (304 Quality Cr-Ni) and Aluminium components.
- It does not contain bacteria.
- It can be used indoor and outdoor.
- Automatic pulverization (fogging) system is available.
- It is one of the most effective methods for whole body disinfection.
- It is economical since water-based disinfectant is used.
- Non-harmful disinfectant must be used.
- With fogging method, penetration is high.
- Water and disinfectant consumption is low.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).
SM-50 HUMAN DISINFECTION SYSTEM
SM-50 HUMAN DISINFECTION SYSTEM

SM-50

While people carrying microorganisms are moving from area A (Biological insecure zone) to area B (Biological safe zone), the system eliminates the harmful bacteria by disinfection and removal before they reach point B. With different module application options, our systems are modernized in order to make your living areas healthier.

For the people entering the areas that need hygienic working conditions such as food production facilities, medical campuses, and laboratories, this system is used for the disinfection of the following:

- Clothes
- Shoes Bottom

Size of SM-50
- Width : 1m
- Length : 1m
- Height : 1.50m
SM-50 HUMAN DISINFECTION SYSTEM

Product Qualification

- It is made of stainless steel (304 / 316 Quality Cr-Ni).
- It does not contain bacteria.
- It can be used indoor.
- Automatic pulverization (fogging) system is available.
- It is one of the most effective methods for whole body disinfection.
- It is economical since water-based disinfectant is used.
- Non-harmful disinfectant must be used.
- With fogging method, penetration is high.
- Water and disinfectant consumption is low.
- Shoe bottom is disinfected with a special disinfection mat. Disinfectant waste is prevented since the mat is sensitive to weight.
- It has a modular design.
- There is an electrical installation in accordance with IP65 class (solid and liquid protection).