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.
SAGU ENGINEERING AND INDUSTRIAL PRODUCTS INC. CO.

AREAS OF USAGE

- Cattle Breeding Farm
- Small Cattle Breeding Farm
- Poultry Breeding Farm
- Milk Production Facilities
- Egg Production Facilities
- Integrated Meat Plants
- Feed Factories
- Slaughter House
- Airports
- Military Units
- Ports
- Disaster Zones
- Customs Area
What is Pulverization? 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.
SAGU Engineering is providing disinfection systems as agriculture, food, husbandry and etc. of the industry. To prevent the spread of epidemics, we aim to protect human and animal health with our disinfection systems that eliminate microorganisms that cause these diseases. We design systems with high precision and considering every condition.

The most ideal method of vehicle disinfection is vehicle disinfection tunnel. We have designed the system in the form of tunnels of appropriate lengths to ensure the economical use of disinfectant materials and to obtain a more effective result in less time.
Vehicle Disinfection System Process:

- The driver takes the vehicle into the tunnel in accordance with the instructions in the sign at the entrance to the tunnel.
- The sensors inside the tunnel detect the vehicle and start the disinfection process automatically.
- Fogging is applied into the tunnel for a predetermined optimum time (30 sec.).
- After fogging, vehicles are waiting in the tunnel approx. 15 seconds.
- The vehicle disinfection process is completed totally 45 seconds. The traffic lights which is inside the tunnel turn green and the driver understands that the process is complete.
ADVANTAGES OF VEHICLE DISINFECTION SYSTEM

Preventing Disinfection System Freezing in Hard Weather Conditions:

This issue is prevented by the Anti-Freeze system designed by our engineers, which is standard equipment on all models. It is ensured that the antifreeze is automatically supplied to the installation and retracted to the warehouse to prevent freezing of the installation in winter conditions. In this way, both the savings and the forgetfulness and errors caused by the labor force are prevented.

Efficient Use of Antifreeze and Disinfectant Consumption:

For antifreeze and disinfectant material, conversion system is established to provide economical saving from consumables. Savings are achieved by recycling 80% of the antifreeze and disinfectant water in the installation to the related tank. Depending on the air temperature and time, the antifreeze system switches on and off automatically.

Improving the Performance of the System:

This is provided by the versatility of the automation in the system, errors and malfunctions caused by personnel can be prevented. The system has been prepared for all situations and conditions and is automatically activated. PLC system integrated automation is provided to work at the performance required by the customer.
Quality of Components Used in Automation System:

All electrical materials and power systems used in system automation are selected from the highest quality brands (e.g. Mitsubishi, Schneider, Siemens, Interpump). This allows the user to use the system for years without any problems.

Strength and Durability of the Tunnel:

It is designed to prevent bending, shaking or bending of profiles and sheets by external factors. Ansys-Static Structural analysis showed that it is resistant to minimum 110 km of wind. Tilting, breaking and flying problems are prevented by the use of reinforced profile and sheet material.

User Security Measures:

The entire electrical-electronic system (valves, valves, switches, floats, floats, floats, signal lamps, traffic lights, push-buttons, etc.) that carry out the control and control operations in order to ensure the safety of the users of the system and to eliminate the risk of distortion, is set to operate with only 24 Volt weak current. (In this case, the system does not pose any danger to human health.)
Reliability at Disinfection:

With special fogging method; disinfection to the far corners of the transport vehicle takes place. A truck can be disinfected with only 15 liters of disinfected liquid in as little as 30 seconds. Lamp-sensor-barrier (or automatic pvc door) is applied in order to guide the driver to the vehicle.

Easy Installation and Commissioning:

The system is manufactured in modules and only modules to be installed at site. Thus, the installation at site is extremely fast and easy.

Warranty - Maintenance - Technical Service:

The system is guaranteed for 2 years excluding user caused malfunctions. 10 years of service and spare parts warranty is provided. When the maintenance time is reached, the maintenance warning is given with sound alarm and visually on the touch screen on the system panel to ensure the awareness of the user.
Keskinoglu – Poultry Breeding Facilities
Ekiz Egg – Poultry Breeding Facilities
Afyon Commodity Exchange – Livestock Selling Area
Akşeker – Integrated Meat Plants
Aynes – Milk Production Facilities
Ayvetsan – Cattle Breeding Farm
TIGEM – Cattle Breeding Farm
Sincan Breeding Cooperative – Cattle Breeding Farm
Uluova – Milk Production Facilities
Lidersan – Cattle Breeding Farm
Matlı – Poultry Breeding Facilities
Human disinfection system works on the principle that the individuals carrying microorganisms on the system during the transition from the area A (Zone A) to the area B (B-Zone), destroy the harmful bacteria they carry while they are in the area A before they reach the B point.

Our systems, which can be revised according to the application, are being modernized in order to make your areas healthy and livable.
Reliable Disinfection by Fogging

- Automation panel; It is mounted adjacent to the tunnel.
- Starting from fogging by sensing the person / object through the sensor in the tunnel, the system sprays the disinfected liquid into a mist cloud so that the microorganisms on the person / object can be disinfected. No mist on the person / object thanks to the fogging method during spraying.
- According to the area where the cabin will be installed, there is barrier, turnstile or door at the entrance and exit.
- On the automation control panel; There is a digital timer for setting the disinfection working time, a digital temperature controller that controls the cabinet temperature, and a digital temperature controller that controls the outdoor temperature.
Reliable Disinfection by Fogging

- The indoor temperature, which is pre-set for winter conditions in the indoor environment, is automatically activated by the radiant heater installed in the automation cabinet if the temperature is controlled by the system and the limit value is exceeded. This process continues at specified intervals until the temperature inside the cabinet rises above the limit value.
- The temperature controller, which controls the outdoor temperature, automatically protects the system after a certain period of time without disinfection if the outdoor air temperature drops below the specified limit temperature to prevent the spraying system from freezing and to keep the system running in winter.