



## PRODUCTION OF AEROSOLS AND NON-AEROSOLS

We are proud to present our new business premises – a filling station for sprays and small packaging in Kočevje, located in the industrial zone LIK – Kočevje. The premises were as officially opened at the beginning of December 2008.



The production facility is constructed in accordance with the latest requirements necessary for carrying out this type of production. As such we have improved working conditions, increased capacity, acquired additional capacity also for the filling or production of non-aerosol products that require special conditions due to the danger of fire and explosion („EX zone“).

The major part of our production capacity is oriented towards the service of filling industrial sprays, above all for home clients but also for foreign clients (buyers) and trademarks respectively. The usage sectors for which we produce and perform the service of spray filling are above all for : personal cosmetics, shoe industry, vehicle cosmetic, forestry and wood industry, cleaning technology, food and pharmaceutical industries (disinfectants and protective agents), and household aera (like repellent or insecticidal agents), ... And increasingly we assume a complete service of production ("outsourceing") to our customers and subscribers.

The main advantage of our offer is that we can also handle small product quantities (small orders) as we are equipped to fill also from 100 pieces upwards of individual products. Our filling volume possibilities for aerosols reach from 10 ml up to 1000 ml and non-aerosols (other smaller packaging units or containers) from 10 ml up to 2000 ml. Our filling station can also deal with substances that require sterility and production is carried out in a chamber "Clean room".



The products can be filled into packaging units ranging from 10 ml to 1 L (larger if necessary). Aerosols, i.e. technical sprays, can be filled with propellant gases: propane / butane, nitrogen, CO<sub>2</sub> and if necessary also with other industrial gases: dimethyl-ether, freons, oxygen, ...).

Production and types of services we offer:

- Just the filling of aerosols - on order;
- Production of aerosols - on order („outsourcing“);
- Production, development and filling in other smaller packaging units (containers);
- Development of new, various quality (standards) aerosols and non-aerosols in our own production or on order;
- Blending of the chemical substances to filling them into aerosols and non-aerosols;
- The offer of our own aerosols and non-aerosols under our brand MA-ECO – for vehicle cosmetic and machinery / industry program.

For filling of aerosols, we have two semi-automatic filling lines with charging volume of min. 900 pieces per hour (at filling volume of 250 ml) and min. 500 pieces per hour (at at filling volume of 500 ml). Thus, the smaller are the containers, relatively faster is the filling and vice-versa. We also have semi-automatic filling line for filling of non-aerosols (packaging units ranging from 10 ml to 500 ml) with a charging volume of min. 900 pieces per hour (at a volume of 200 ml) and min. 500 pieces per hour (at a volume of 500 ml). We also have a mechanical filling line for filling of non-aerosols (packaging units ranging from 100 ml to 1000 ml with a charging volume of min. 500 pieces per hour (at a volume of 250 ml) and min. 300 pieces per hour (at a volume of 500 ml). For larger series (over 5000 pieces), we can use an automatic filling and sealing line (Pamasol), with average charging volume of min. 10.000 units of sprays in one cycle (an 8 hour shift).

As such, we can offer either a service of solely filling (your repro material) or filling in terms of "outsourcing" (Ma-eco provides you with either complete repro material, or at least a part of it). We also offer the service of preparation and mixing of substances (according to your recipe) for production of so-called intermediate products (more and less complex). Of course we also perform services of developing new products or improving them, both in cooperation with customer's experts or on our own. In addition, we can offer also the labelling of labels / etikets and apart from packing in cartons or laminating in thermo-shrink foil (up to 10 pieces per packet) etc., also stacking on pallets.

**So, this wraps up a brief introduction, but if you should require any further information or explanation, please do not hesitate to contact us - we will be gladly at your disposal.**

**MA-ECO CHEM d.o.o.**

***Your problems, our challenge!***