

Information on the company Monroe Czechia, Ltd.

Registered address: Rychnovská 383, 463 42 Hodkovice nad Mohelkou

The company has applied for two integrated permits:

a) for the installation “**autoforetic coating line for casing of telescopic automobile shock absorbers**” (the “installation”) that is included in category 2.6 (installations for finishing of metals and plastics using electrolytic or chemical processes if the bath volume is more than 30 cubic metres), according to Annex 1 to the Integrated Prevention Act;

b) for **hard chromium electrolytic deposition line for piston assemblies in automobile shock absorbers**.

ad a) Description of the installation and directly related activities

The automobile shock absorber production includes an existing ACC line, i.e. autoforetic coating, which includes pre-treatment of the surface of the telescopic shock absorbers' casing. The coating is deposited on a completely assembled telescopic shock absorber. Autoforetic coating is a special one-purpose technology that enables a coating to be deposited only on the steel casing of the shock absorbers. The other non-steel parts (rubber, a plated piston assembly, non-ferrous metals) will not create the coating. The technology is friendly to the environment. According to available information, it is the only technology of this kind in the Czech Republic.

Autoforetic coating contains an acrylate copolymer as the basis. The copolymer is kept in emulsion form (micelles) by means of surfactants. The coating that is used for the autoforetic deposition of organic cover does not contain any volatile organic substances.

Used bath is liquidated by means of a traditional demulsification process, and it does not cause any hazard for wastewater.

1. *Technical and technological units according to Annex 1 to Act no. 76/2002 Coll.,*

- An operational set of autoforetic coating of automobile shock absorbers' steel casing, “ACC Line”; the designed capacity of operational baths of the whole ACC line is 44.6 m³ (pickling - 15.6 m³, ACC cover - 18 m³, reactive rinse - 11 m³)

2. *Technical and technological units that are not included in Annex 1 to Act no. 76/2002 Coll.,*

- Heat production in a boiler house with designed capacity 5.2 MW (the burners' output).

3. *Directly related activities*

- Collection, washing and neutralisation of aerosols from the pickling bath that are contained in the air exhausted;
- Separation of oil products (grease) from degreasing baths;
- Wastewater treatment;
- Storing of materials;
- Storing of wastes.

Ad b) Description of the installation

The shock absorber production also involves an existing operational section where a hard chromium cover is created on piston assemblies of automobile shock absorbers in an electro-chemical way. It also concerns reconstruction (intensification) of the existing plating line that is to ensure increase of the plating production capacity, as supposed in the respective design, by more than 100 percent. (from 5.2 m²/day to 12 m²/day of plated area).

2.1 Technical and technological units according to Annex 1 to The Integrated Prevention Act (no. 76/2002 Coll.)

Name	Hard chromium electrolytic deposition line for piston assemblies in automobile shock absorbers
Category	2.6 Installations for finishing of metals and plastics using electrolytic or chemical processes if the bath volume is more than 30 m ³

2.2 Technical and technological units which are not included in Annex 1 to Act no. 76/2002 Coll.,

- Gas steam medium-pressure boiler plant K1 with designed capacity 5.2 MW.

2.3 Directly related activities

- Collection of aerosols from the chromium deposition bath that are contained in the air exhausted;
- Recycling of rinse water containing chromium deposition bath;
- Storing of raw materials necessary for technological operation of the line;
- Wastes: collection, storing and transport for disposal.