

Technologies available

Quality control

KOH-I-NOOR a.s. management has applied regulations as per the quality management system under ISO 9001:2009 since August 2002 with the objective of improving the existing company management system. This system is applied, complied with, and continuously improved, so that system efficiency of the quality management complies with the requirements of this international standard.

Part of the production program is intended for the automotive, electro-technical, and paper industry, where Koh-i-noor uses the quality management system under ISO TS 16949:2009. PPAP methods are used in the development of products from this production program. Koh-i-noor a.s. adheres to the conditions of the code of ethics and Reach standards.

Technologies available

KOH-I-NOOR a.s. currently uses the following technologies:

- MOULDING
- WIRE MOULDING
- PRESSURE CASTING OF ZINC ALLOYS
- INJECTION OF PLASTICS
- HARDENING AND THERMAL PROCESSING OF STEEL
- SURFACE FINISHING
- ASSEMBLIES OF SMALL PARTS
- PRINTING AND CARDBOARD CENTRE – OFFSET AND DIGITAL PRINT, CARDBOARD, CUT-OUT

MOULDING

- we offer metal sheet moulding for bulk production
- we mould iron, brass, stainless steel and aluminium bands
- metal sheet width: 10 - 100 mm
- metal sheet thickness: 0.25 – 1.5 mm
- machines: 50 presses divided according to tonnage: 5 – 60 tons, examples products: drawn rivets, eyelets with washers, moulded parts for automotive industry and paper industry.
- tools: follow-on, operating tools

WIRE MOULDING

- we offer volume wire moulding for bulk production
- we process volume wire moulding with diameters ranging from 1 to 5 mm
- examples products: couplings, full of rivets, axes
- three-dimensional wire of moulding with diameters ranging from 0.4 to 1.5 mm; infeed length: 10 to 200 mm
- product examples: steel wreath clasps, pins, needles, hair pins

PRESSURE CASTING OF ZINC ALLOYS

- manufacture of zinc alloys (95% Zn, Al, Cu) products
- forms: one- to more-fold moulds
- 8 casting machina
- maximum casting volume: 5 cm³
- product examples: sliders of zip fasteners, various types of zip fastener pendants, swim suit fasteners, small components for the automotive industry and haberdashery

INJECTION OF PLASTICS

- we offer manufacture of products of thermoplastic materials using the injection technology
- materials used: PE, PP, PA, PVC, PS, ABS, POM, PBT, PC
- maximum casting volume: 180 cm³
- maximum mould dimensions: 400 x 500 x 400 mm
- product examples: plastic zip fasteners, plastic buttons and covers, products for the automotive industry, small-size plastic boxes

HARDENING AND THERMAL PROCESSING OF STEEL

- Steel heat treatment (hardening) is performed in a continuous furnace with protective atmosphere heating and in a polymer bath; tempering is performed in a continuous furnace or in a batch mode
- Examples of hardening applications: pins, IXA nails (for fastening things to masonry), upholstery fasteners, various types of springs

SURFACE FINISHING

Galvanic surface finishing for bulk plating

- Nickel plating – nickel, black nickel
- Cyanide brass and copper plating
- Zinc plating – blue chromate treatment, passivation
- Patinated surfaces – patinated copper, patinated brass, antique-finish nickel

Varnishing

- Asphalt varnish and stoving
- Bulk varnishing with epoxy varnishes

Gloss brass dipping – result: bright metallic surface

Degreasing

Polishing

- With TURBOFIN devices.
- Polishing with stainless steel beads and other additives.

Tumbling and deburring in vibration and rotation device

ASSEMBLIES OF SMALL PARTS

- Assembly of small-size components using automated and semi-automated devices
- Performance of final control operations and sorting of small-size products

Tool shop

- We offer tool or mould making or grinding and machining
- We offer the production of: transfer forming tools; moulds for plastics, moulds for Zn alloys
- In addition, we machining and grinding.

PRINTING AND CARDBOARD CENTRE

We own printing machines for offset printing, thermoprinters for label printing 200 – 600 DPI, cardboard and cut-out machines.

Our services:

- Print of leaflets, catalogues, garment bags
- Print of self-adhesive stickers, tags, varnishing
- Die cutting (EURO, customized)
- Manufacture of small-size boxes (sewn, folded, coated)

Contacts

Sales Department KOH-I-NOOR a.s. – abroad

Ing. MILENA RAŠČIČOVÁ

Tel.: +420 296 525 312

GSM: +420 777 790 554

Email: trade@kin.eu

Ing. MARIE ALMEROVÁ

Tel.: +420 296 525 313

Email: trade@kin.eu

Bc. MONIKA HELIOVÁ

Tel.: +420 296 525 314

Email: trade@kin.eu

AMIR RAŠČIČ

Tel.: +420 296 525 315

GSM: +420 733 123 367

Email: trade@kin.eu