



KOLLER METAL AND PLASTICS TECHNOLOGY

Love for precision

metall-kunststoff.rkoller.com

KOLLER *METAL & PLASTICS
TECHNOLOGY*



With more than 40 years experience in the whirlpool industry, Koller is proud of its achievements. It was the first company worldwide to install whirlpool technology into bath tubs and also to use brass in whirlpools.

Koller is worldwide the only company in this field that produces 100 % of its product range in-house. Our production facilities are equipped with the latest technology and our personnel is highly skilled.

Only in this way can we daily show our customer orientation through innovation, quality, delivery reliability, flexibility and promptness.



Vitis plant

In our parent plant in Vitis (Austria) research and development, as well as metalworking, electroplating and electronics is located. Our entire plastic production/development department as well as our toolmaking/moulds production is situated in Jindrichuv Hradec (Czech Republic).



Jindrichuv Hradec (Neuhaus) plant

We have sales offices in Austria, the Czech Republic, Malta, Spain and England, as well as four large warehouses in Austria, the Czech Republic, Spain and England, where we store more than 50 million parts for you.

KOLLER Malta



KOLLER Spain



KOLLER UK



3 Metal processing

Our metal works department is situated in Vitis, Austria, and is equipped with the latest computerised machinery. Processing of brass, stainless steel, aluminum, iron, steel, various plastics, other materials on request.



View into the CNC manufacturing hall 1



View into the CNC manufacturing hall 2



CNC turning center with automated loading and unloading



Plate magazine for piece feed via gripper



CNC milling center with 4 axes



CNC lathe with 2 spindles and each with 5 axes



CNC turning center - two-sided processing

Development and production of swivel plates, milling cutters, press forgers, mouldings incl. polishing, varnishing and refining



sheet metal working - cuts, bending, punching, welding



Punching



Semi and fully automatic punching



Bending



Soldering place



Stamper - manufacturing for sheet metal parts



Brushing



Painting box



Grinding



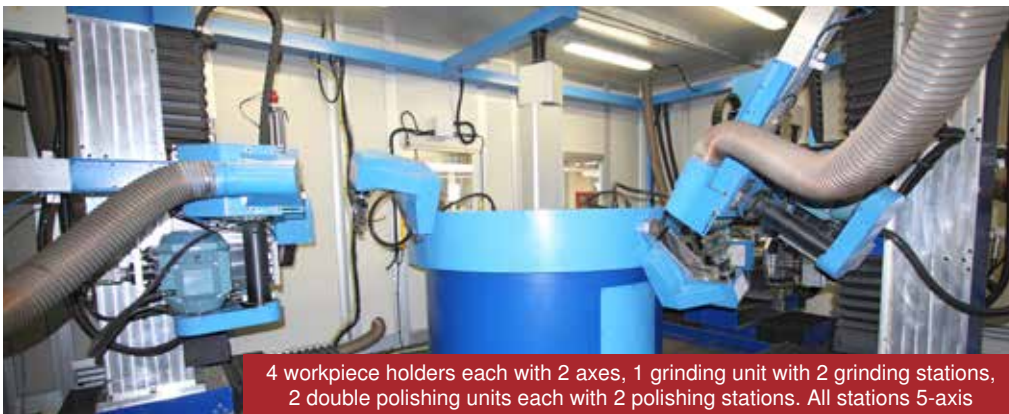
Sandblasting



Our new grinding and polishing machine (Cosmap/Siemens) with the latest technology standard – suitable for all steel and brass materials, providing you with both, the facilities and processing know-how, at a fair price.



View into the surface treatment (grinding and polishing)



4 workpiece holders each with 2 axes, 1 grinding unit with 2 grinding stations, 2 double polishing units each with 2 polishing stations. All stations 5-axis



Workpiece at double polishing station



Workpiece at grinding station



Central extraction for surface treatment according to the latest state with 100% heat recovery



Revolving polishing machines

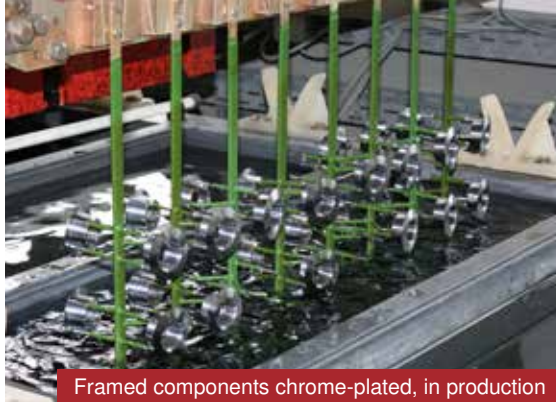


6 Electroplating unit

Our fully automated electroplating unit is state of the art and allows a constant electroplating of framed and drum components: the options bright nickel and nickel-chromium are available for the coating of your parts.



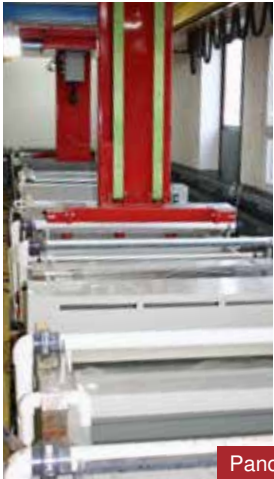
Automatic retraction of the goods carriers



Framed components chrome-plated, in production



Production process via control terminal - programming and monitoring



Panoramic view over the entire electroplating road



Barrel electroplating (nickel)



Control and plug-on places



Laser technology

The latest laser technology allows a permanent marking your parts - whether chromium, nickel or plastic parts. Thus, any desired print - e.g. logo or lettering - can be engraved with laser definitely in the material.



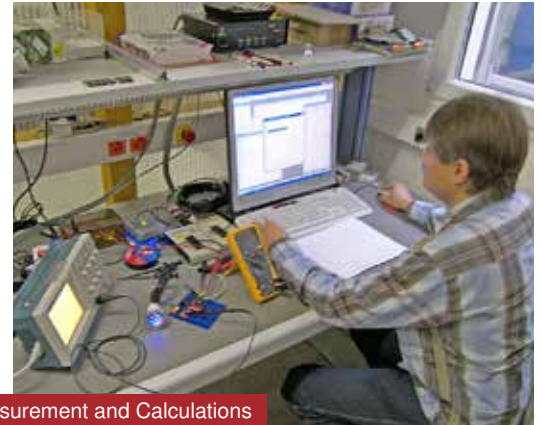
At our main plant in Vitis (Austria) we constantly update and develop new products.



CAD supported development of new products



Development, Measurement and Calculations



Electronic

Electronic parts are produced in Vitis, Austria. Electronic components are carefully and precisely assembled by our trained personnel.



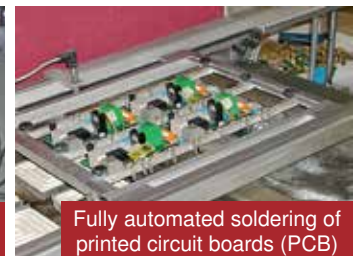
Manufacture of electronics



PCB assembly



Connecting cable manufacture for electronic button



Fully automated soldering of printed circuit boards (PCB)

In-house installation

Our in-house installation of whirlpool components into bath tubs and spas has given us a leading edge in component assembly. We provide tailor made solutions for your whirlpool systems.



Whirlpool assembly



SPA assembly



Testing of a finished Whirlpool

All built-in Whirlpool tubs are carefully tested, packed and provided with our reliable KOLLER-guarantee before delivery .

Production according to customer drawing or a cooperative development with the customer.



Production according to customer drawing or a cooperative development with the customer.



The making of a brass part with plastic injection

Step 1: Production of the raw brass part



Step 2: Polishing of the turned raw part



Step 3: Chroming the polished raw part



Step 4: Injecting plastic onto the chromed brass part (compound of brass part and plastic)



Step 5: Logo or inscription with laser



The creation of a special part

Step 1: Turning/milling the raw aluminium part



Step 2: Brushing of the aluminium part



Step 3: Anodizing the brushed aluminium part



Step 4: Inscribing the anodized part with laser



Development and production of circuit boards, electronic control panels, switches, remote controls, etc
Cables in various lengths and dimensions, ready-assembled or on rolls



Plastic production and tool manufacture at the plant Jindrichuv Hradec (Neuhaus – Czech Republic):

Plastic processing machines: from 25 t up to 300 t

PVC: 0.25 g – 425 g, PP and ABS: 0.25 g – 740 g. Further plastics on request



Injection moulding – all fittings and plastic components are being produced here. We process various materials, including PVC, ABS, PP, PA...



Injection machines



Gripper for surface-protective removal from the tool



Extruder

In-house tool manufacture, modern production technology and qualified, experienced personnel are a guarantee for quality, cost-effectiveness and promptness. Tools, apart from raw materials, are the deciding factors for first-class plastic parts. Experience and well-founded knowledge in injection moulding and tool construction are the prerequisites for the optimal design of both moulds and tools.



Tool manufacture



Sanding Machine



Wire Cutting Machinery



Eroding Machinery

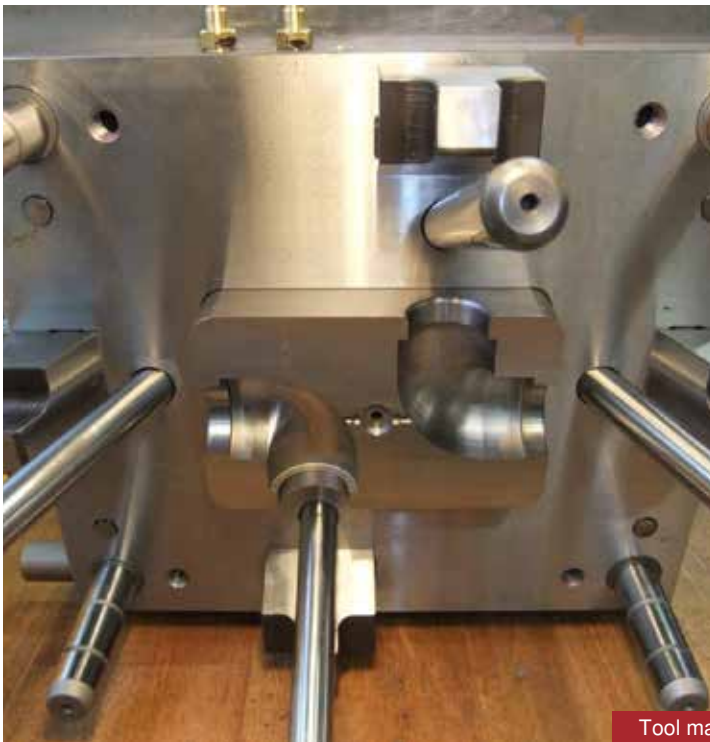


CNC 3-Axis Milling Machinery

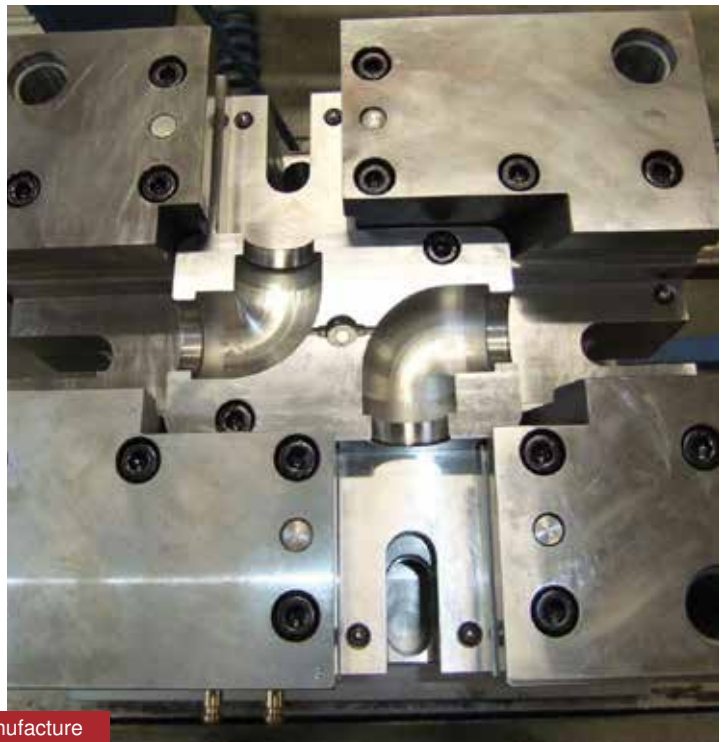
Tool development – Tool manufacture – finished tools



Tool development



Tool manufacture



finished tools



Development and manufacture of plastics in various shapes and sizes, in different materials (PVC, ABS, PP, etc.) and colors







At your service, worldwide!



You will find all our contact details at metall-kunststoff.rkoller.com

KOLLER *METAL & PLASTICS TECHNOLOGY*

RUDOLF KOLLER Ges.m.b.H.
A-1210 VIENNA
Brünner Straße 313-315
Tel.: +43/1/604 43 33
office.vienna.at@rkoller.com

A-3902 VITIS
Rudolf-Koller-Straße 1
Tel.: +43/2841/8207
office.vitis.at@rkoller.com

RUDOLF KOLLER spol.s r.o.
CZ-37701 JINDRICHUV HRADEC
Dolni Pena 201
Tel.: +420/384/370 410
office.jhradec.cz@rkoller.com

