

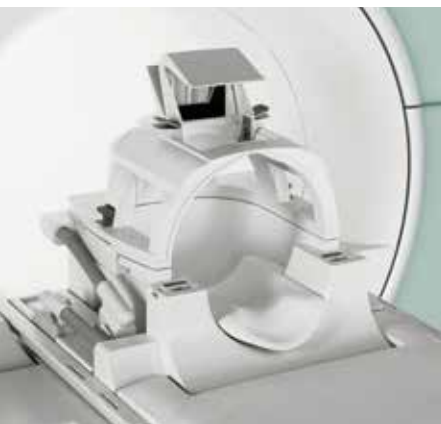


Realization of case components for Magnetic Resonance Tomography (MRT) and imaging systems



## Design significant technical progress – long lasting partnerships with premium-producers

Thin-walls and stable for optimal image results, complex in its design, but cost-efficient: plastic injection molding components and assembly groups for MRT and imaging systems need to meet diverse requirements. That is why global leading producers of medical-technical tools fall back on our long lasting know-how. Thanks to the long lasting close collaboration with our customers we keenly know the process of development and production. Therefore we can provide fast and optimal solutions for product innovations – from feasibility studies on the basis of CAD data to develop a prototype up to small-scale production with lacquering and individual printing.



We accompany products over tool-generations. Therefore we enlarge our know-how, optimize our process and develop practical component solutions for modern technologies.

Together with producers we constantly develop the imaged head coil – assembly group of a MRT. The component is completely build and assembled in our in-house production – inclusive partly electrical assembly. We successfully managed to reduce the thickness of the wall by consistent stability to utilize the full potential of image technology.

Even high complex geometrics we realize it by a high standard quality with no-pusher tools and meanwhile reduce production costs.

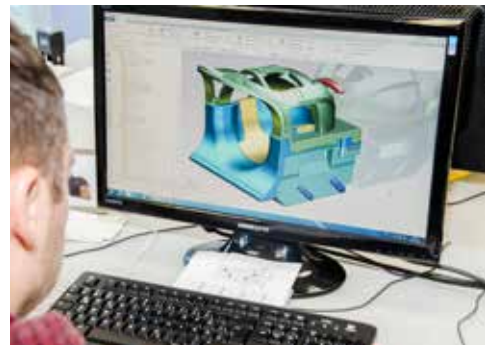


Components of breast and leg coil need to guarantee a high stability with extreme thin walls at different axial pressure. Furthermore liquid entry into the inside of the component needs to be foreclosed.



# From design implementation up to production line – we are taking care of this for you

**Design and Re-Engineering** – With over 60 years of experience in the field of plastic processing we are able to build your design ideas up to series-production readiness. For this we implement your design in an appropriate for the material involved and cost efficient way into the CAD machine. By computer simulation we optimize the performance of your product. During the process our developer and construction engineers are working closely together to meet all your requirements at its best.

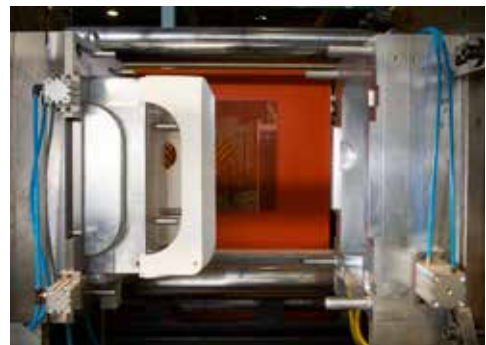


**Building of the prototype** – Before the tool is build we recommend you to build a prototype via 3D-printing. Through SLS we build an exact model of your product with whom you can perform several tests, like crash, heat, and erosion. With this it is possible to identify possible weak points and clear them before actual production before costly changes need to be made on the tool. On demand our in-house lacquering will paint your prototype for possible pre-marketing-actions.



**Tool Manufacturing** – required injection molding tools are built in our in-house tool manufacturing to provide these to our distributor in a fast and cost efficient way.

**Production** – Through our highly efficient injection molding tools we manufacture your plastic parts on time with an injection weight between 2 – 8.000 g (inclusive TSG-Process). Because of our capacity, we are able to realize large-scale projects as well as small-scale projects within a short period of time and in the highest quality standard.



**Lacquering, Printing and Subassembly** – Finishing the product through lacquering, coating or printing and the final assembly are important areas of competences within our company besides our Part and Tool construction. We offer you a multi-color lacquering as well as special coating and printing in the process of screen or pad printing. Our spectrum of possibilities for you last from edit your product in a special lacquering cabin up to an automatic serial lacquering.



**Logistics** – As a system and A-vendor we deliver for our customer their products to the point of assembly line. If necessary, we will provide suitable packaging for the product.



# FRÖR KUNSTSTOFFTECHNIK



Frör Kunststofftechnik GmbH

Schallershofstraße 106

91056 Erlangen

Tel. +49 9131 933088 0

Fax +49 9131 933088 150

info@froer-kunststofftechnik.de

www.froer-kunststofftechnik.de

A company of

 **FRÖR** Group

