

FORMING TITANIUM AND ALUMINIUM

Deform is certainly not limited to forming in steel. Over the years, the company has also built up a long reference list of customers for three-dimensionally formed products in titanium and aluminium. These include standard heads, hemispheres, shell segments and other special products.

Kongsberg Maritime is one example of a Norwegian customer that buys hemispheres in both titanium and aluminium. These hemispheres are used in Hugin, an underwater vessel that (in certain models) can operate down to a depth of 4,500 metres. The vessel is used in mapping the ocean floor. One purpose of this is the detection of new gas and oil reserves. The product, the customer and the material place great demands on us as a supplier. We are proud to have been producing these hemispheres for very many years!

Besides having other customers who use formed titanium and aluminium, we also see great potential in the off-shore, marine, aircraft and defence industries. It is only our imaginations that set limits to our forming capabilities. We enjoy the challenges of new applications and new customers!



▲ Pre-dished aluminium blanks.

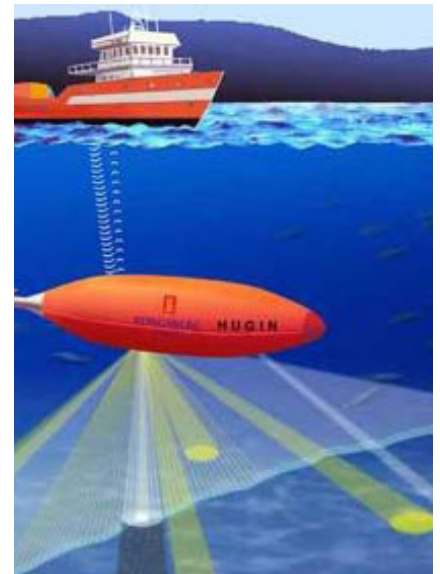
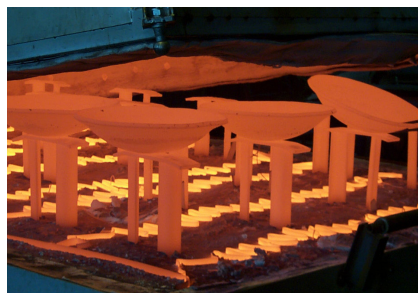


▲ Ready pressed titanium hemispheres viewed from above.



▶ Pressing titanium and aluminium requires great metallurgical and forming know-how. Permissible temperature ranges for working the metals and the number of pressing stages are both essential knowledge.

Hemispheres in a furnace during one of the pressing stages.



▲ Hugin at work.

Hugin is used all around the world.

