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**LayerBits: Extreme Design**

The designer is key. It's the designer who has the knowledge, the understanding and the vision to apply RM technology. By doing so, the designer leaves the beaten path and starts exploring the possibilities of true freeform modeling. **Conventional "design for manufacture" practice becomes irrelevant.** Maximizing functionality is the new buzz. *More often than not, the products that leave our factory can't be produced any other way. They can't be cast, machined or tooled.*

The goal of Extreme Design is to release unique and better solutions, to improve processes or in short, create added value. The products we manufacture are usually smaller, lighter, cheaper or feature improved heat exchange capacity or flow characteristics for example. **So if you are faced with design challenges and wonder if RM could offer a way out, then you can rely on our [RM coaches](#) to work out an extreme RM solution.**

**Case Study: HoWest**



**"Develop a tool for a partially disabled person."** As such sounded the task for the bachelors industrial design at HOWEST. Student Tom Debacker created a bottle opener so that a person with one hand could effortlessly remove the crown from the bottle.

**Personalization** is for such objects a key asset. A perfect fit of the ring can be obtained by 3D

scanning techniques. Additive manufacturing is suited for this personalized manufacturing series since quasi no programming is needed for the 3D print process and there are no geometric undercuts.

The object is realized in **stainless 316** steel by LayerWise and is finished with a smooth surface treatment.

The thin sections measure only 0.3MM while the object withstands the abuses of daily use. The fine print resolution enables personal details like **embossed decorations** and text.

By Bart Grimonprez (HoWest)

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**Meet LayerWise at MedTec (23-25 March 2010) Hall 4, Stand 2485**

LayerWise will showcase at the MEDTEC fair in Stuttgart, Germany. The objective is to bring the visitors in direct contact with medical RM applications such as **patient specific prostheses in titanium, RVS medical instrumentation or prototyping applications.**



More information about Medical Manufacturing can be found at;

<http://www.devicelink.com/expo/medtec10/> or [www.layerwise.com](http://www.layerwise.com)

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**Business News : Internationalization**



**LayerWise announces a new sales and support point in Remseck, Germany with the appointment of Werner Winger as the LayerWise agent.** In order to provide a good RM service we experience that a direct and good contact is essential. Thorough preparation and follow-up are crucial in order to deliver consistent and good quality.

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