

feature

# Winning the Battle against Cancer

Prevention is better than cure, but when cancer does strike, revolutionary 3D technology can help reduce further damage.

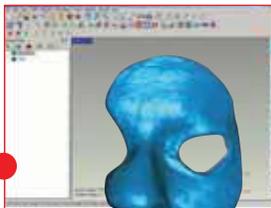
A patient has to undergo the surgical ablation of most of her nose due to a skin cancer. If no prosthesis is placed during the healing period following the surgery, she risks tissue sagging or permanent deformation of the surrounding tissues - which might be irreparable with plastic surgery.

Creaform, world leader in 3D technologies, comes into the picture to build a customized prosthesis with the Handyscan 3D line-up of laser scanners, employed to scan existing objects to generate digital files that can be modified in various post-treatment software. The first step is to create a silicon mold of the patient's nose before the surgery. Then, thanks to the ERGOscan laser scanner, Creaform's specialists scan the silicon imprint to create an accurate digital image of the mold.

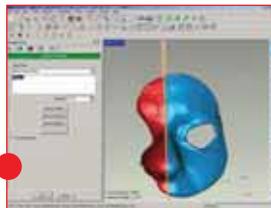


## HALF AN HOUR TO CREATE HALF A NOSE

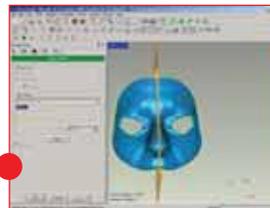
Creaform's CAD Department uses a post-treatment software to modify the STL file of the silicon mold. First, the affected part of the nose is removed and replaced by the symmetrical image of the healthy half side. Ultimately, the 3D model is prepared for rapid prototyping by adding thickness. Overall, the process required about half an hour of work. Efficiency like this speaks for itself! • ]



STL file of the silicon mold



Removal of the affected part of the nose



Creation of the symmetrical image of the healthy side of the nose

For more information:  
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