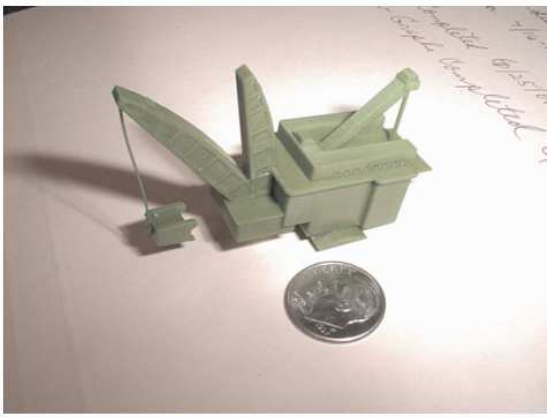
applications

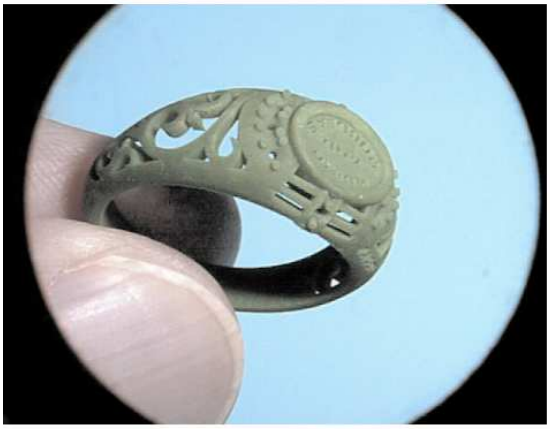
&

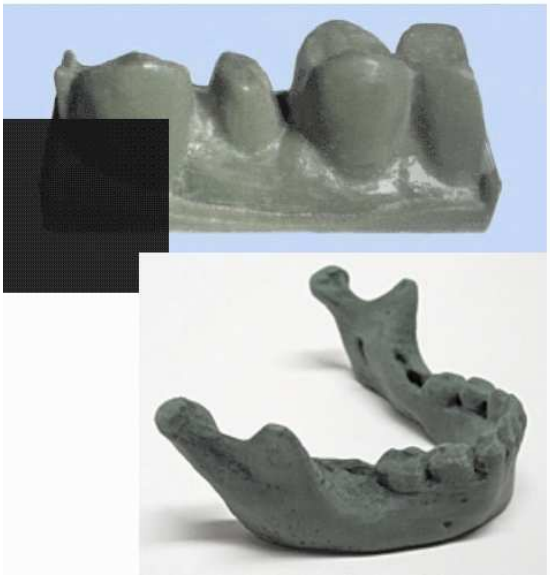
technologies

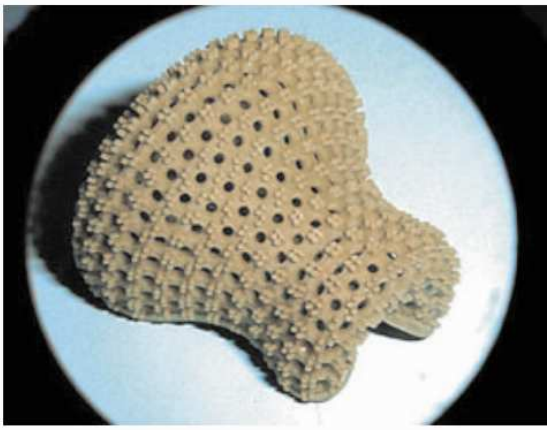
(la majorité des exemples
sont pris sur les machines Zcorp)

Machines Sanders et SolidScape
pièces de très haute précision



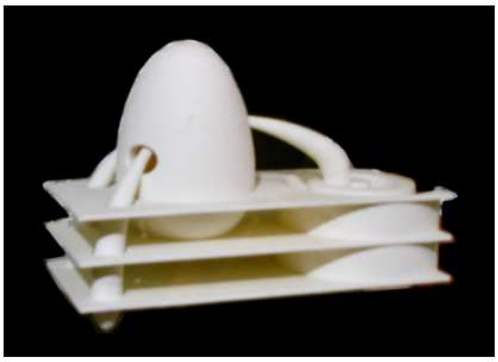




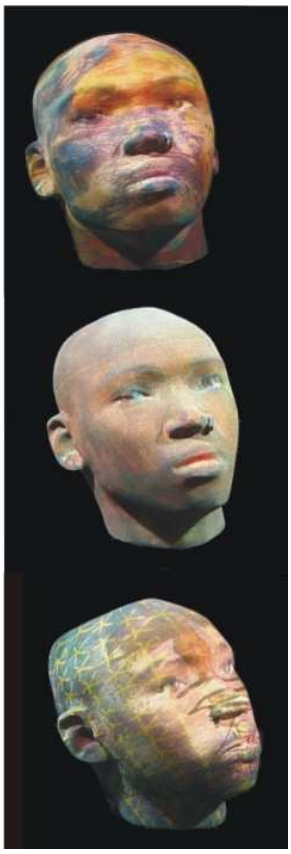


Machines Zcorp

applications en Art, Architecture et Patrimoine



Above: Architectural models made using Z Corp. printers.
Inset photo courtesy of Morphosis® (morphosis.net)



Machines Zcorp

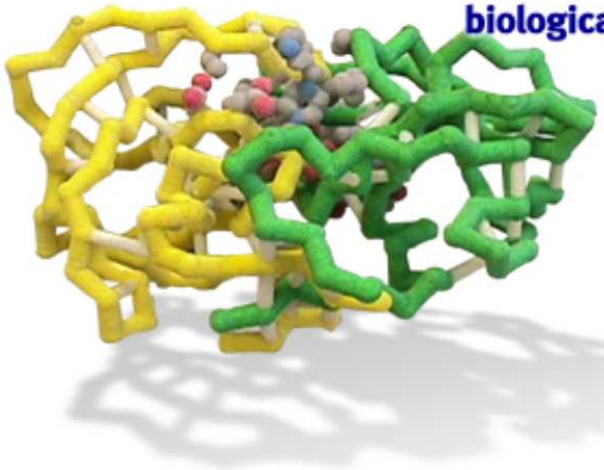
applications en biologie et en chirurgie

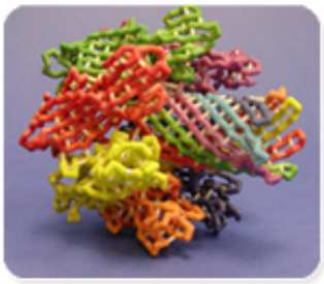
INDUSTRIES: MOLECULAR MODELING

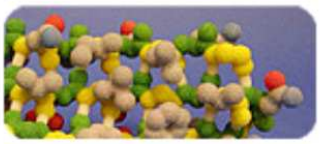
"The Z Corp. 3D Printer is really the first viable auto-fabrication machine for **scientific visualization** of complex **biological structures.**"

Art Olsen

The Scripps Institute





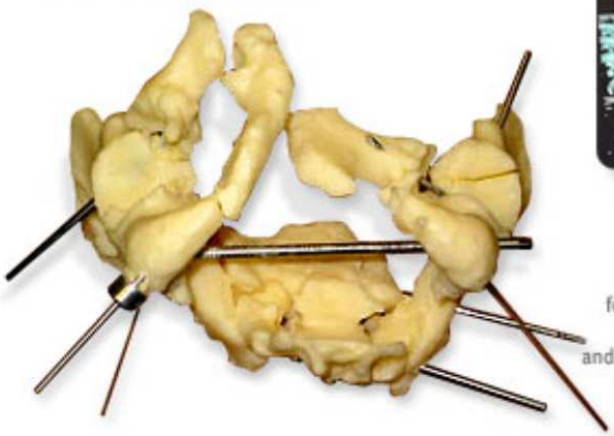


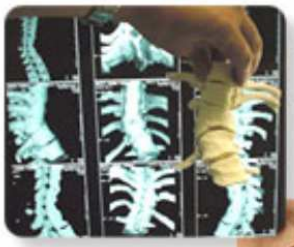
Hemolysin alpha-carbon backbone structure (above) and beta-sheet molecule (below) created on a ZCorp printer.

INDUSTRIES: MEDICAL MODELING

Quickly get to know your patients **inside and out**

Z Corp. models can be used to analyze fractures, pre-contour implants and determine the trajectory and alignment of fixation screws.





2D screen image and 3D physical model of spine to improve communication amongst patients, medical residents and interdisciplinary teams of physicians.

Z Corp. models used for facial trauma cases can be sawed apart and re-aligned for proper anatomical fit of pre-contoured plates

Machines Zcorp
applications en Design

INDUSTRIES: FOOTWEAR

One giant leap
for your design process.

ZCorp allows creation of

INDUSTRIES: PACKAGING

Explore the many trials and tribulations of
your next packaging design.

Z Corp. part showing deformation under vacuum (left) and buckling under top load (right).

APPLICATIONS: PRESENTATION MODELS

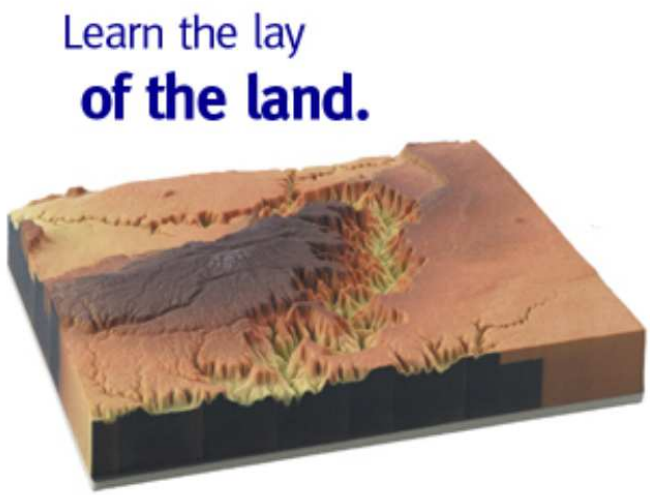
Polished to
perfection.

Left: Z Corp. part side-by-side with manufactured end product. Above: Z Corp. part sanded and painted and assembled with manufactured mirror to accurately represent a side view mirror.

Machines Zcorp

applications en GIS (géographie, topographie...)

INDUSTRIES: GEOGRAPHIC INFORMATION SYSTEMS



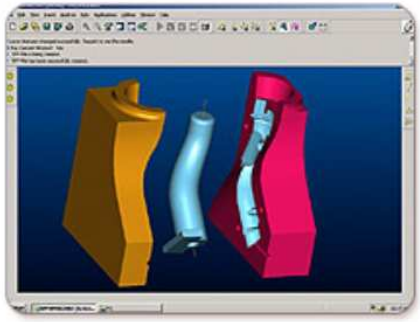
Z Corp, three-dimensional physical models created directly from GIS data.

Machines Zcorp
galvanoplastie et création de moules

APPLICATIONS: METAL CASTING

Break the mold.

Eliminate the limitations of traditional metal casting methods.



Left: ZCast mold and aluminum pipe created using the ZCast technology. Above: Screen shot of ZCast mold and core set created in 3D CAD.

Electroplating with Z Corp.

Create concept models with the look and feel of real metal.

Machines Zcorp

applications en science et pédagogie

INDUSTRIES: EDUCATION

Focus on your design inspiration.

Let Z Corp. printers take care of the rest.

Multicolored cube intersection model printed on the z406 printer.

Shaun Merideth printed a car chassis as well as its thermoform for a design class project.