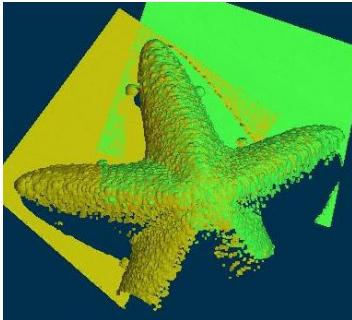**NeoMetrix**
Technologies, Inc.


Figure 1 – StarFish


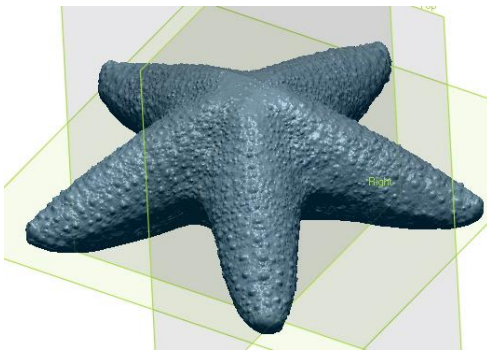Figure 2 – Laser Scanned Data


Figure 3 – Final STL mesh

## Problem:

Seashells and other sea forms are often taken home as keepsakes. The customer wanted to create a line of containers that were exact replicas of sea forms but scaled much larger. (Figure 1 Starfish shown)

## Traditional Method:

Hire an artist to create a scaled model of desired shape. Unfortunately the original size that was determined may not be adequate.

## NeoMetrix Solution:

- Original part is Laser scanned in house using the Konica Minolta Range 7 scanner. (accuracy of .0015") (Figure 2)
- Scan Data is registered, merged, and aligned in Rapidform XOR to produce a polygon mesh. (Figure 3)
- Mesh is then scaled and then offset to give the part an actual thickness.

## NeoMetrix Advantage:

- Feasible to obtain quality data previously unavailable by other means
- Accurate model in STL format.
- Model is then ready to be prototyped to be approved.

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