



## EMS 3D Scans the Ryder Cup

In 1927, English seed merchant Samuel A. Ryder presented the Ryder Cup to The Professional Golfers' Association of Great Britain to place as a prize for an international competition between American and British professional golfers. The trophy stands 17 inches high, is nine inches from handle to handle and weighs four pounds. The golfing figure depicted on the top of the trophy reflects the image of Abe Mitchell, a former gardener himself and a friend and instructor of Samuel Ryder.

### The Problem

A 3D animation of the Ryder Cup was needed for the 2008 event in Valhalla Golf Club in Louisville, KY. The animation was going to be used by television networks broadcasting the event and for other promotional videos.

The company in charge of creating the animation didn't have a 3D CAD model of the cup and needed one to create all the animations and renderings.

### The Solution

EMS was contacted and the Ryder Cup was sent to their office to be 3D scanned. EMS used a combination of scanners including their Z Scanner Z800 and Konica-Minolta Vivid 9i. The Z Scanner was used to scan the complete cup while the Vivid 9i was used to capture some of the high detail area. The two sets of scan data were then aligned and merged together to create a highly detailed CAD model suitable for highly quality renderings and animation.

### Conclusion

When it comes time to 3D scan complex geometry such as trophy's, statues or sculptures EMS has the expertise to complete the project.

To learn more visit [www.ems-usa.com](http://www.ems-usa.com)



The Ryder Cup



Completed Scan & detail of the cup



Finished animation