



US Army Corps of Engineers
Huntington District



3-D Printing

Presented by
Jacob Pauley



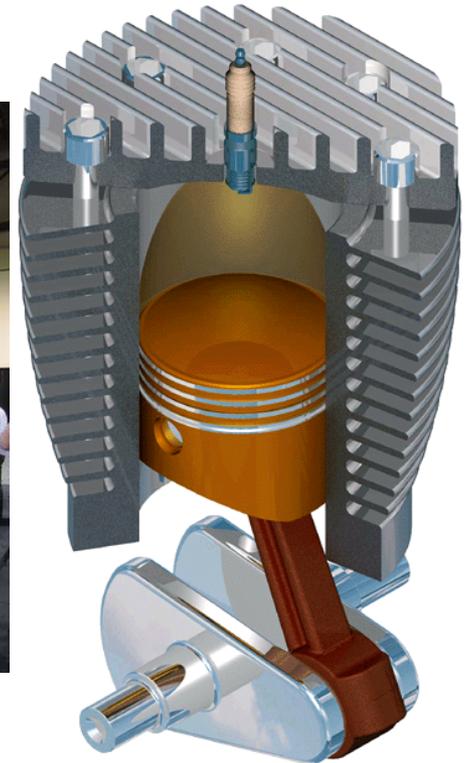
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From CAD to Print

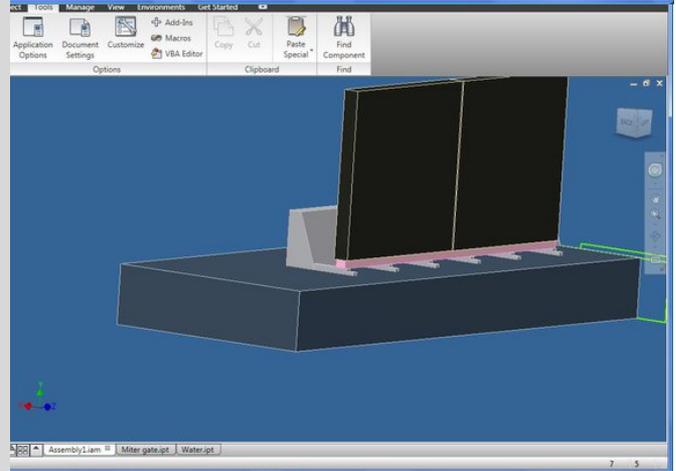
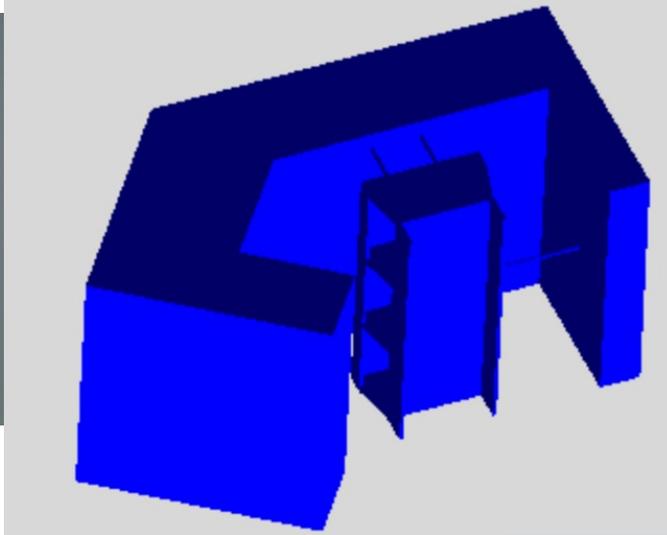
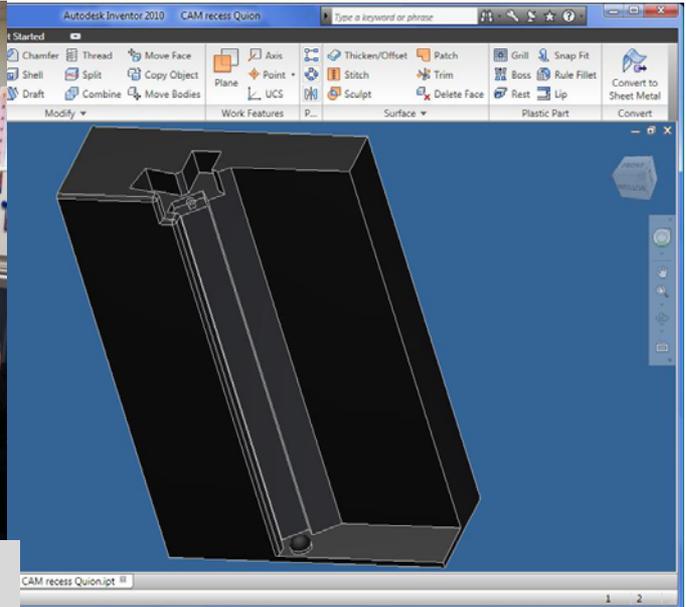
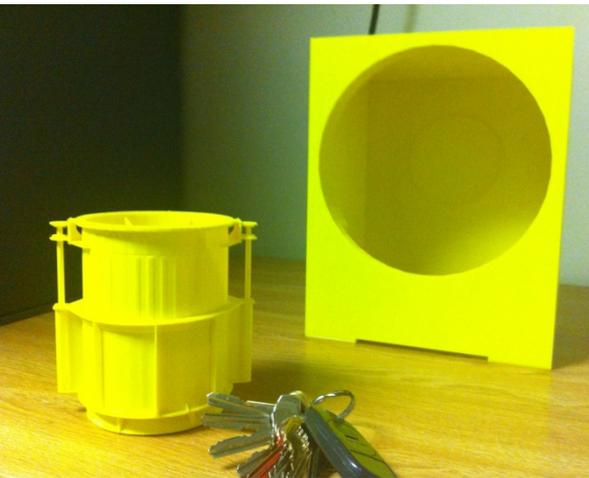


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Product was featured on Jay Leno's Garage

<http://www.youtube.com/watch?v=gqvzcGdZsTc>



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- LRH currently has an agreement with Mountwest Community and Technical College (MCTC) to use their Dimension 1200 series 3d printer.
- Printer is capable of printing objects within the size constraints of 10"x10"x12"
- Cost of components printed is \$13 per cubic inch
- Is accurate up to .001"



LRH Uses

- Highly utilized during Quoin framework install procedure with surveying and engineering.
- Used to teach employees how items work and install procedures.
- Troubleshoot issues within district office of field components. (Turnbuckle top anchorage)
- Provided contractor a visual aid of CAM saw cuts during pre-bid discussions.
- Currently being utilized to determine proper removal technique of Howell-Bunger Valve

Anticipated Models

- New potential design concepts from our Engineering branch.
- Visual aids for public. (Partnering Meetings, exhibits...)



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Questions????