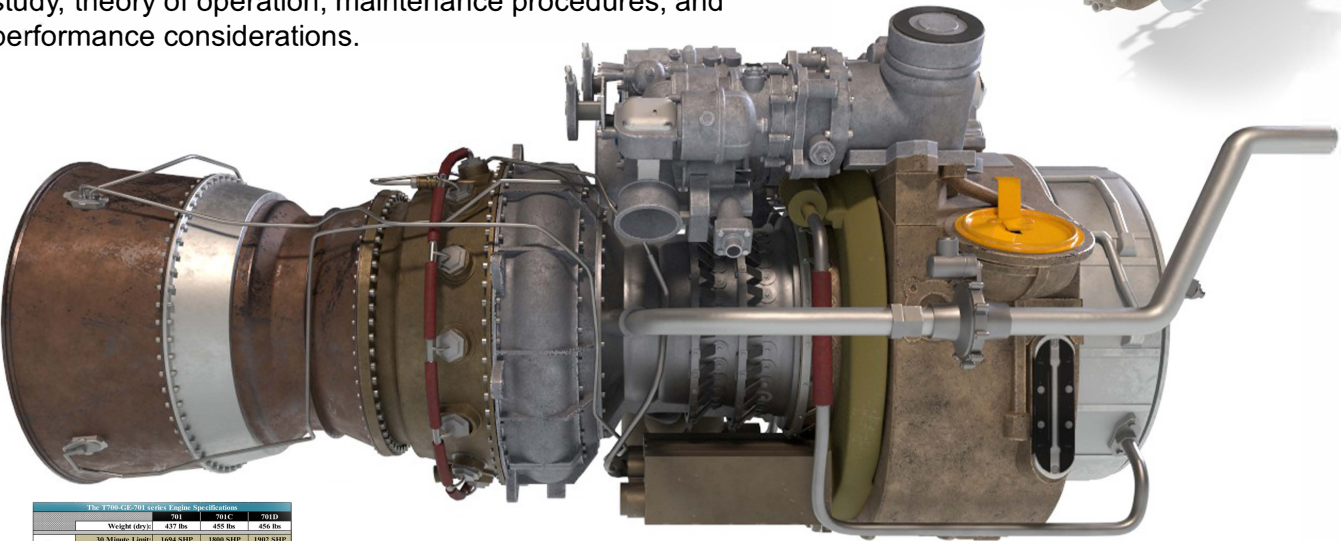
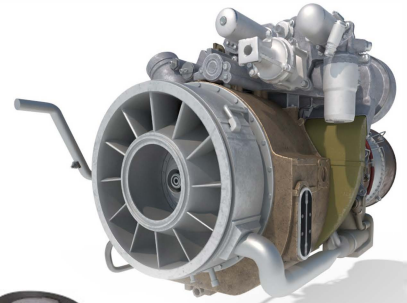


T700-701D 3D Turboshaft Engine Interactive Training Project

David Stewart, Vinny Argentina, Art Department

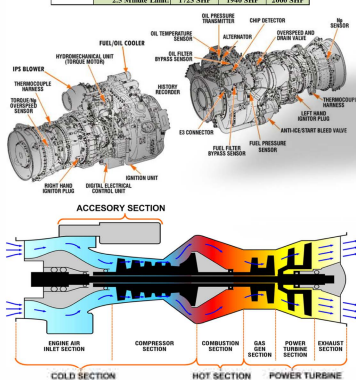
Project Overview

The GE T700 series turboshaft engine is the powerplant for multiple aircraft and vehicles currently in the US Army inventory. The purpose of this project is to create an accurately detailed 3D model of the engine and design a user interface to serve as a training aid for flight training and maintenance applications. The end state is to show the capabilities of digital animation and 3D modeling to create enhanced visual interactive training aids for study, theory of operation, maintenance procedures, and performance considerations.



The T700-701 Series Engine Specifications

	701	701C	701D
Weight (dry)	4,275 lb.	4,455 lb.	4,460 lb.
Power			
30 Minute Limit	1894 SHP	1890 SHP	1902 SHP
10 Minute Limit	1715 SHP	1870 SHP	1904 SHP
2.5 Minute Limit	1223 SHP	1340 SHP	2000 SHP



References

1. US Army TM 1-1520-251-10
2. LSI Engine VIE program
3. 2009 Longbow Study Guide
4. USAACE FSXX1 AH-64D Academic Handouts

Acknowledgements

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