

1. Record Nr.	UNINA9910700989903321
Autore	Shear William B
Titolo	Economic development [[electronic resource]] : efficiency and effectiveness of fragmented programs are unclear : testimony before the Subcommittee on Economic Development, Public Building, and Emergency Management, Committee on Transportation and Infrastructure, House of Representatives / / statement of William B. Shear
Pubbl/distr/stampa	[Washington, D.C.] : , : U.S. Govt. Accountability Office, , [2011]
Descrizione fisica	1 online resource (12 pages)
Collana	Testimony ; ; GAO-11-872T
Soggetti	Economic development - United States - Finance Administrative agencies - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from PDF title screen (viewed Aug. 22, 2011). "For release ... July 27, 2011."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr.	UNINA9910797195603321
Autore	Bullen George N.
Titolo	Automated/mechanized drilling and countersinking of airframes / / by George N. Bullen
Pubbl/distr/stampa	Warrendale, Pa. (400 Commonwealth Dr., Wallendale PA USA) : , : Society of Automotive Engineers, , ©2013 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	0-7680-7995-0 0-7680-8844-5 1-68015-451-6
Descrizione fisica	1 online resource (xv, 245 pages)
Collana	Society of Automotive Engineers. Electronic publications
Disciplina	629.134/2
Soggetti	Rivets and riveting, Aircraft - Automation Airframes - Design and construction - Automation Drilling and boring machinery - Automation Manufacturing processes - Automation Fasteners
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Historical perspective : why airframes have holes -- Airframe manufacturing cost drivers -- Incentives and disincentives to automate -- Types of drill/countersink automation -- Considerations before replacing hand drilling with mechanization or automation -- How to choose the right automation -- Steps to installation -- Test procedures -- Transition to production -- Training -- Maintenance -- Social impact of automation -- Future state of airframes and automation summary -- Appendix A Automated machine suppliers for D/C of airframes.
Sommario/riassunto	Modern aircraft manufacturing involves drilling and countersinking hundreds of thousands to millions of holes. Doing this work by hand accounts for 65% of the cost of airframe assembly, 85% of the quality issues, and 80% of the lost time due to injuries. The focus of this book is on automating the process of drilling and countersinking holes during airframe manufacturing. Since this is the

area of greatest return on investment for airframe producers, the book provides a stepped approach for evaluating possible areas for applying automation and a detailed description of the process for choosing, acquiring, and transitioning the right machinery for success. It also provides a vision for a 10- to 15-year future state of airframe manufacture.

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