



## Online services: making it click for you

**D**ickson Testing is one of the largest laboratories in the field of aerospace destructive testing worldwide. It is a fully integrated laboratory including a large cutting facility, machine shop, and heat treat shop as well as chemical, mechanical, and metallurgical laboratories.

In addition to its core services, Dickson Testing provides unique services in its total testing package:

- Detailed cut-up drawings prepared by our engineering department used for cut-up and first article test programs.
- Access to our online status anywhere in the world to check the progress of testing orders and anticipated completion dates.
- Completed certifications can be downloaded and printed directly from our website.



All the latest results accessible 24/7 at [www.dicksontesting.com](http://www.dicksontesting.com)

*Taking aerospace destructive testing to its creative height...*



A detailed cut-up drawing.



A sample of completed certificate available online



A sample of status you can access online to check the progress of testing orders.



## At the cutting edge of technology

At Dickson Testing we make it a point to provide our clients with top-notch professional services made possible by qualified personnel and the state of the art technology. Here are some of the new machines we have added to our testing facilities...

### EDM Machining

We have a new addition to our machining facility: AN AGIECUT Sprint ED wire cutting machine. This unit, using a .10 to .33 diameter wire, will allow us to make precision notches on short rod, short bar, and high strength steel fracture toughness coupons. Samples up to 810mm x 580mm x 220mm in size can be accommodated in the unit's work zone. This unit increases our versatility for very small width notches and samples where absolute precision is mandatory.



### LCF Polishing Machine

Now in our machining facility is a new state of the art MECADEC longitudinal polishing machine. This highly specialized piece of equipment, manufactured in France, is used for putting a very fine longitudinal polish on fatigue specimens. The accurate control mechanism on this unit allows very reproducible surface conditions and very low residual stresses - both critical in insuring accurate fatigue test data that is not affected by specimen preparation.



### Dickson adds short rod and short bar Klv capability

We now have the machining and testing set-up to perform chevron notch fracture toughness using short rod and short bar specimens to ASTM E1304. This test method uses a smaller specimen than compact tension specimens specified in ASTM E399 allowing fracture toughness testing on parts

that would otherwise be too small for this type of testing. Our machining center with EDM allows us to quickly manufacture the correct test specimens and our fracture mechanics laboratory can test them immediately allowing us to give turn-around times among the best available.



### TALK TO US...



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