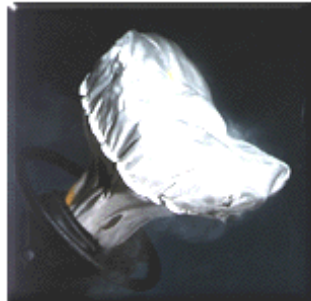


Automated Air Bag Lot Acceptance Static Test System

An Automated Air-Bag Lot Acceptance Static Test System (A-BLAST) is specifically designed and engineered to test the inflation characteristics of an air bag. The A-BLAST is suitable for research and development, as well as production environments, and is integrated around an image acquisition system capable of producing 2000 full frames per second during the deployment of an air bag.

An air bag is installed manually in the system and is automatically deployed. As the air bag inflates, the system is capable of simultaneously recording the process at the speed of 2000 full frames per second, while at the same time records environmental data of humidity, pressure, temperature, as well as electrical input data of back pressure, various forces and inflated volume characteristics.

The A-BLAST is configured to be used in research and development as well as production environments. For research and development utilization, a variety of input parameters can be entered and their efforts towards the deployment, and inflation of the air bag can be consequently studied. In production facilities, the system can cycle a complete test within ten minutes, thus allowing a full 24 hour utilization and of maximum production rates of 4800 complete air bag modules per 24 hours.



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