TECHNOLOGY DRIVEN. WARFIGHTER FOCUSED.

SUPPORT TO DIRECTORATES, PMs AND OTHER CUSTOMERS FOR:

- Clothing & Individual Equipment
- Load Carriage & Airdrop Harnesses
- Workspaces & Workstations
- Aircraft & Ground Vehicle Cockpits
- Computerized Man-models
- International Standardization

Less Time, Less Money…
We can collect 3-D data quickly and accurately, and we can use that data in computerized design — two fast, cost effective tools for developing military clothing and equipment.

US ARMY NSRDEC
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RDECOM

THREE-DIMENSIONAL ANTHROPOMETRIC LABORATORY

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THREE-DIMENSIONAL ANTHROPOMETRIC LABORATORY

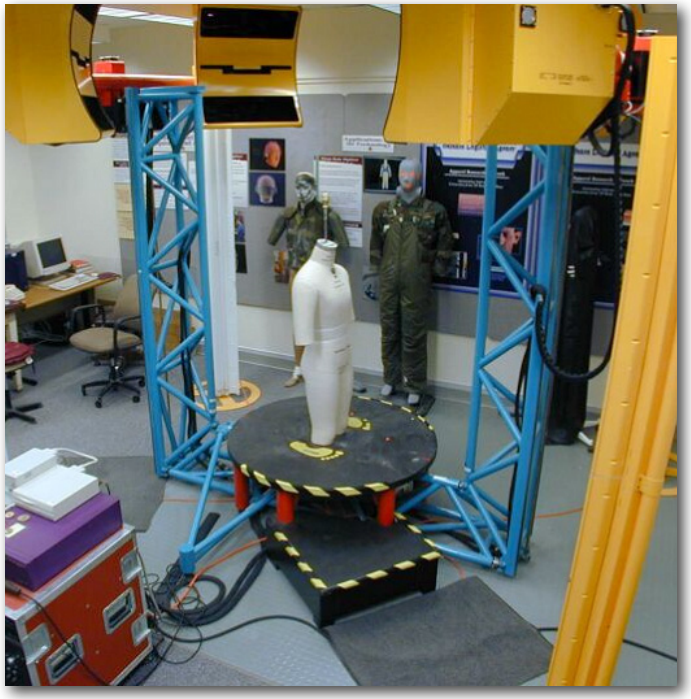
FOCUS

There are various methods of obtaining accurate 3-D data describing human shapes. Applying these data in the areas of computerized design and evaluation will provide faster and more cost effective tools for developing military/non-military clothing and equipment systems.

LABORATORY FACILITIES

The Three-Dimensional (3-D) Anthropometric Laboratory consists of a:

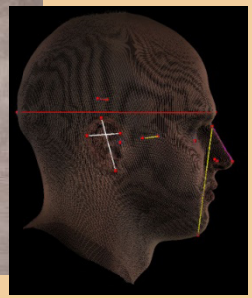
- Cyberware laser-based optical digitizing system that records the 3-D surface coordinates of the head and face
- Cyberware 3-D anthropometric scanning system collects whole body data on approximately 95% of a subject's body.



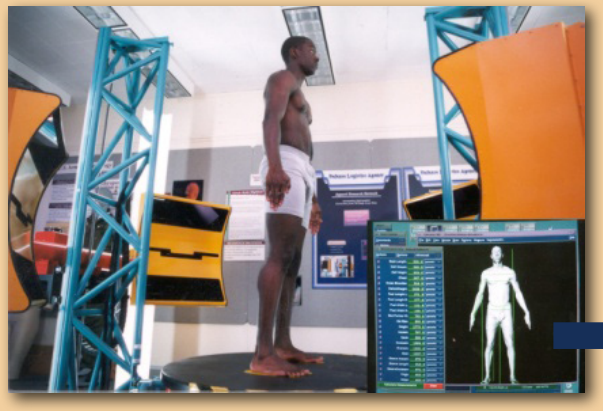
RESEARCH AREAS

- Measuring human equipment interface
- Shape descriptors
- Digital human modeling
- Evaluation of new scanning systems

HEAD/FACE LASER SCANNER



WHOLE BODY LASER SCANNER



SCAN

SEGMENT

MEASURE