Center for Engineering Design

Distinguished Center

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Established center in 1986. Projects include artificial limbs, drug delivery systems, physiological signal monitors, artificial kidneys, robots and microelectro-mechanical systems. Received Distinguished Center status in 1991.

Overview		Technologies	Status	Economic Impact
Current State Contract	$100,000	*Drug delivery systems	*Robots with 54 degrees of freedom	*Recipient of major federal grants from DARPA and NSF
Matching Funds	$2,973,880	*Physiological signal monitor	*Artificial limbs now widely sold	*Have created 3 companies with sales totalling $15 million annually and 15% pretax profit
Cumulative	$14,720,383	*Robotics	*Working on development of miniature motor with rotor the diameter of human hair	*Have created 109 jobs including 35 professional engineers
Industry Jobs Created	109	*Microelectro systems	*New contracts with Disney, Merck and Navy Dept.	*Two more new companies emerging with annual sales potential of $100 million each
Center Related Jobs	42	*Micromechanical systems	*2 Licensing Agreements	*New robot contract will introduce technology to Europe
Benefiting Utah Co.'s	1	*Artificial Limbs	*21 U.S. Patents Issued	*Annual funding of $3.5 million (COEP funds represent 4 to 5% of operating budget)
Spin-off companies	21	*Artificial Kidneys	*15 Research papers published or submitted nationally - 1991	
Patents Applied	18			
Patents Issued	3			
License Agreements	2			