Center for Advanced Composites Manufacturing and Engineering

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Established July 1990 as the focal point and coordinator of resources within the state for technical knowledge and capability in the areas of composite materials, plastics, and other advanced materials. ACME assists existing local industry and start-up companies who are working with plastics and advanced materials. ACME also conceives, invents, develops, and spins off into commercial enterprises new or enhanced products in the field of composites, plastics, and advanced materials.

Overview

1994-95 State Contract	$150,000
Matching Funds	$802,482
Cumulative	4,482,150
Center Related Jobs	27
Industry Jobs Created	3
Benefiting Utah Companies:	
1994 Center Spin-offs	7
Cumulative Spin-offs	44
Patents Applied	3
Patents Issued	3
License Agreements	2

Technologies

- **Cure and contamination** sensing devices which allow low cost detection of the physical or chemical changes in many non-conducting fluids such as resins, oils, transformer fluids, etc.
- **Damping of composites** through unique orientation of fibers results in as much as 10 times the normal damping capabilities.
- **Improvement of fiber binding** on thermoplastic companies.
- **A forming technique** for large thermoplastic composites.

Status

- **129 companies assisted** in 4 years (9 new in last 6 mo).
- **44 companies launched** (2 in last 6 mo).
- **7 companies spun off** with center technologies.
- **5 US patent applications** (3 granted).
- **2 licensed products**
- **4 patent cases** successfully defended for local companies.

Economic Impact

- **The Center** has assisted in the launch of 44 companies. These are new companies that are based on technology developed outside the center but where the center's assistance has been critical to the start of the company.
- **Two of these launched** companies have agreed to give the center some share of profits in recognition of the assistance which has been rendered.