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Crystallume Corporation

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President/CEO:

Business Identifier:

Synopsis: Report Elements

SBIR Status	Awards	41	Key bios available on request
2	Patents	29	
Basics Data		VC Funded	True
Founded	1984	Public/Private	True
1st SBIR Year	1987	Stock info	
Employees		Revenue	4

General Profile:

A very SBIR-active firm over several years, Crystallume was purchased by Advanced Refractory Materials, Inc on October 97 and now operates as a division of Robbjack Corporaiton. Crystallume develops a new class of heat conducting diamond ceramic makes possible smaller, faster workstations, computers, and communication systems. Crystallume pioneered the development and application of Chemical Vapor Deposition (CVD) diamond technology in the early 1980's. Since then, Crystallume's coating experts have become specialists at solving customer problems with diamond technology. Diamond technology isn't new. In the late 1950s, Russian scientists first suggested the idea that diamond could be synthesized by CVD techniques under low pressure. Product designers were interested but, initially, it was viewed as an exotic and expensive solution. Today, with advancements in technology, customers consider CVD diamond to be a viable and important solution for many cutting tool and hard coating applications. In defense, manufacturing, medicine, computing, and many other areas - from components to systems - diamond helps improve product performance. CVD diamond has all the extreme chemical and physical properties of natural diamond and high-pressure, high temperature (HPHT) synthetic diamond. CVD diamond is essentially pure diamond formed as interconnected diamond microcrystallites with no binder - grown directly on the tool substrate. With the intense interest of product designers, diamond may become as common as aluminum is today. Its popularity has grown because diamond properties are found at the extreme poles on material scales and therefore offer many benefits.

Company Awards		Awards received from these agencies:		
Phase 1 Awards	41	Phase 1 Amount	2426529	Total Amount
Phase 2 Awards	14	Phase 2 Amount	7596908	10023437

Program	Source	Phase	Year	Project Title
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Patent Number	Date of Issuance (YYYY-MM-DD)	Patent Title
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