



Overview

January 2013

Highlights

Solar module manufacturer 3rd generation 3D

Greater power output at least 3X kWh

Greater total efficiency

~\$.05kWh

Bloo Solar Overview

Solar Brush



Third Generation Solar:

- Solar Brush™ technology – Solar Brush arrays create quantum leap in technology

Private Company:

- Founded March 2004
- New Management Team 2008
- El Dorado Hills , CA
- Twelve Employees

Investment To Date:

- Series A Financing \$3.3M 5-09
- Series A-2 Financing \$8.1M 5-11
- Series A-3 Financing \$3.0M 8-12

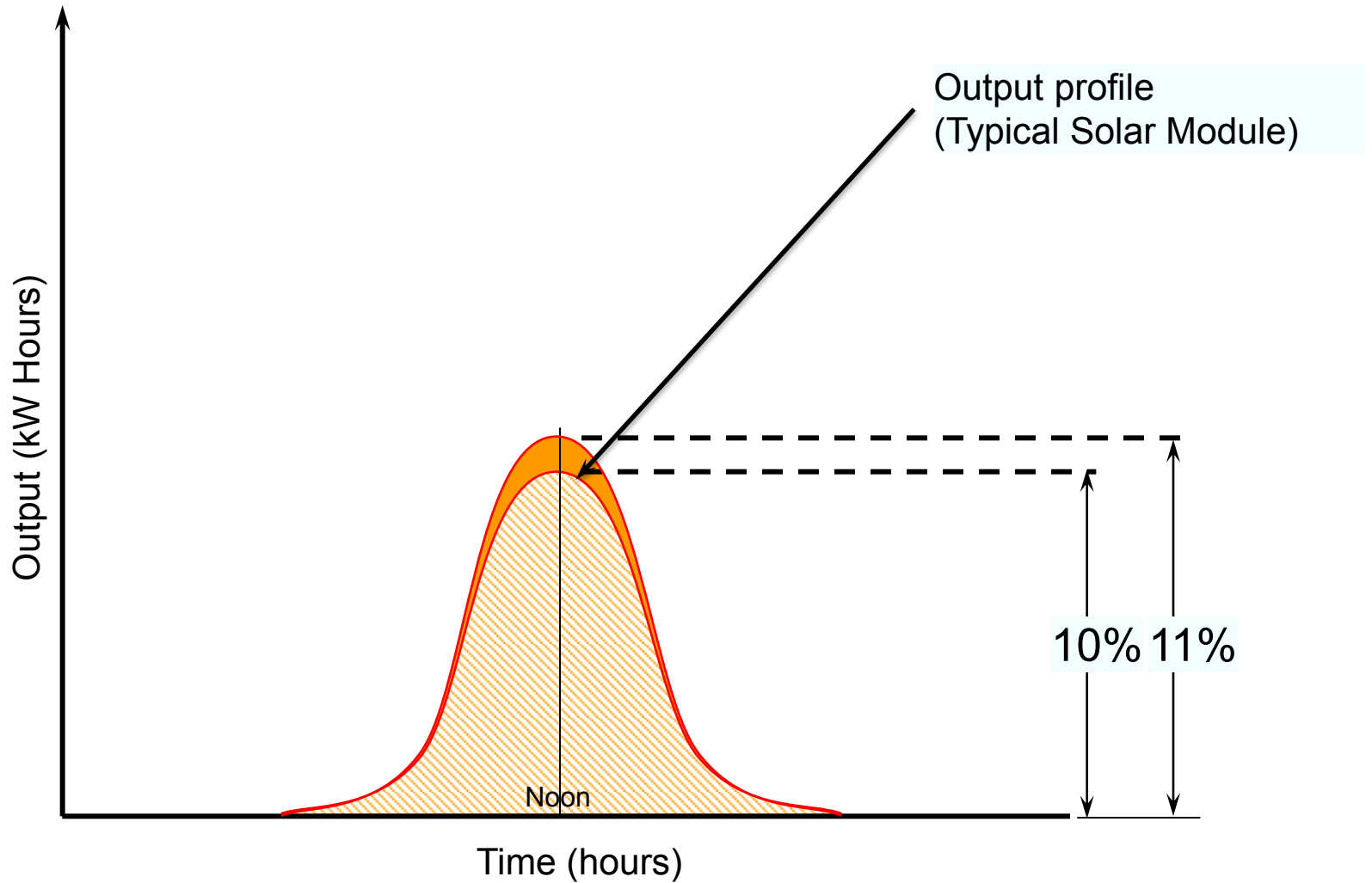
29 Patents:

- 16 US Patents
- 13 International Patents

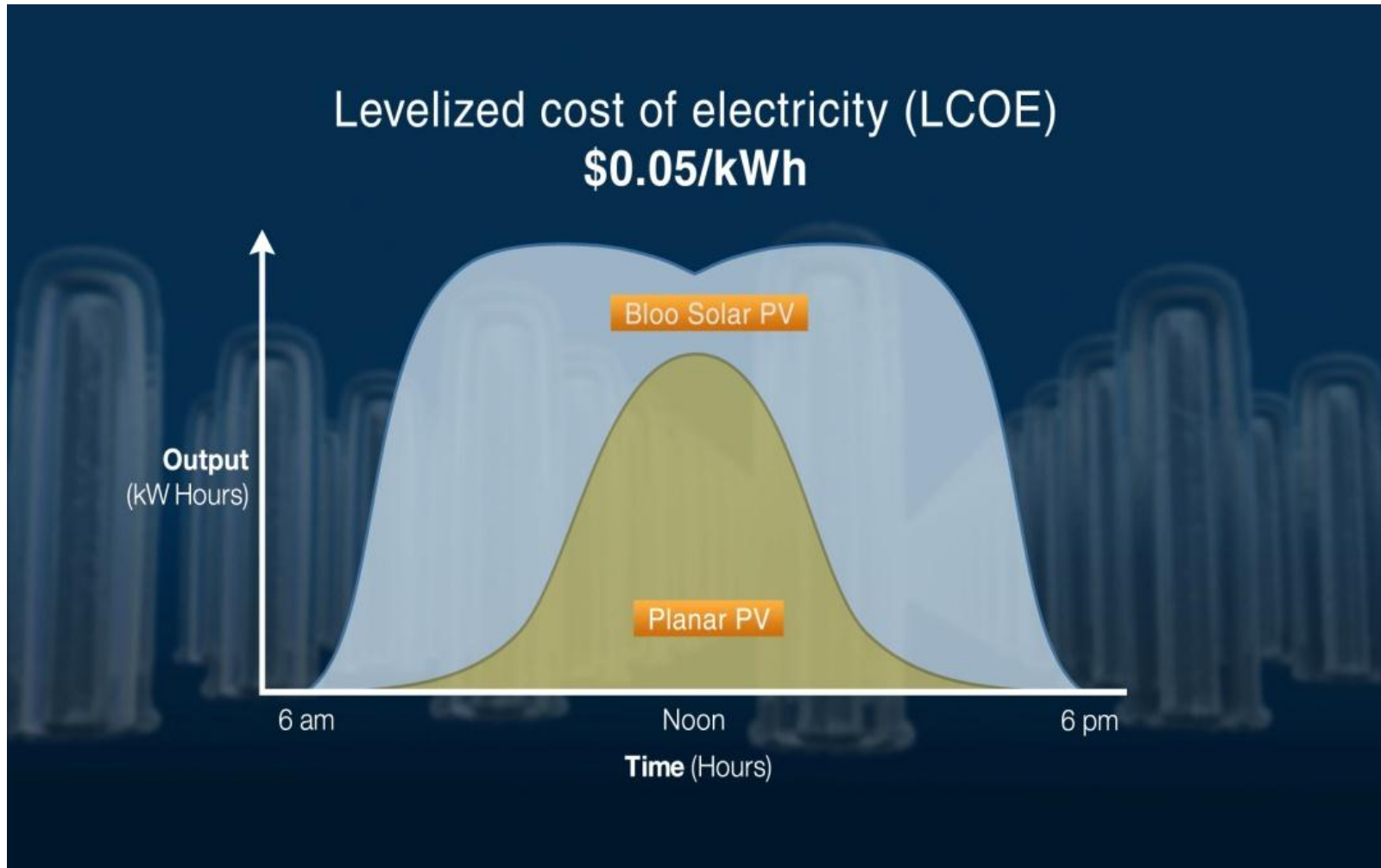
Experienced Management Team

Names	Background	Company	Experience
Larry Bawden CEO	Founder/CEO Fuel Cell Company Ernst & Young Entrepreneur of the year 2003 Advisory to US Secretary of Energy (HTAC)	Jadoo Power PowerTek Gencorp	21 Years
John Fisher VP Finance	Thin Film Manufacturing Experience CPA and MBA CFO of the Year 2010	Henwood Energy Symantec Corporation Domain Technology	25 Years
John Bohland VP Module Operations	Equipment/Processes for CdTe Thin Film Photovoltaic Module Qualification IEEE and UL Start Up 20MW Commercial CdTe Line/Line Activation	Calyxo Guardian First Solar	21 Years
Bob Smith VP Operations	Recognized Expert in Thin Film Technologies Lead 3 Factories 800 Million in Revenue Successfully Operated in Commodity Electronics	Phased Magnetics Seagate Technology Conner	25 Years
Guatam Ganguly VP Device Engineering	Development and transfer of PV technologies to production. Thin Film PV Team DOE Sunshine Project Japan	Opti Solar Novasolar BP	25 Years

Typical Efficiency Gain

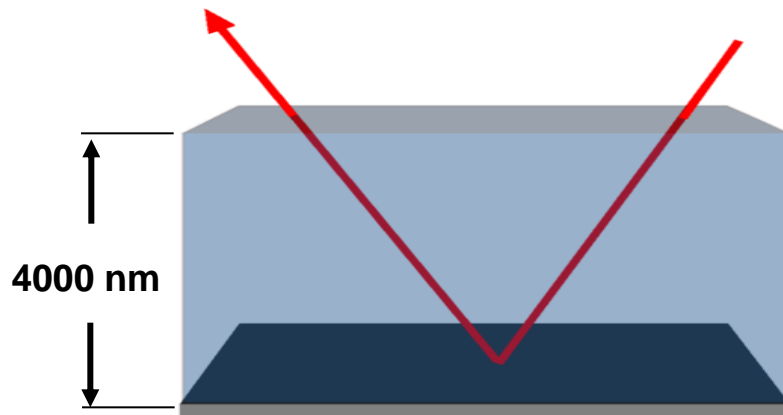


Solar Brush Efficiency Gain

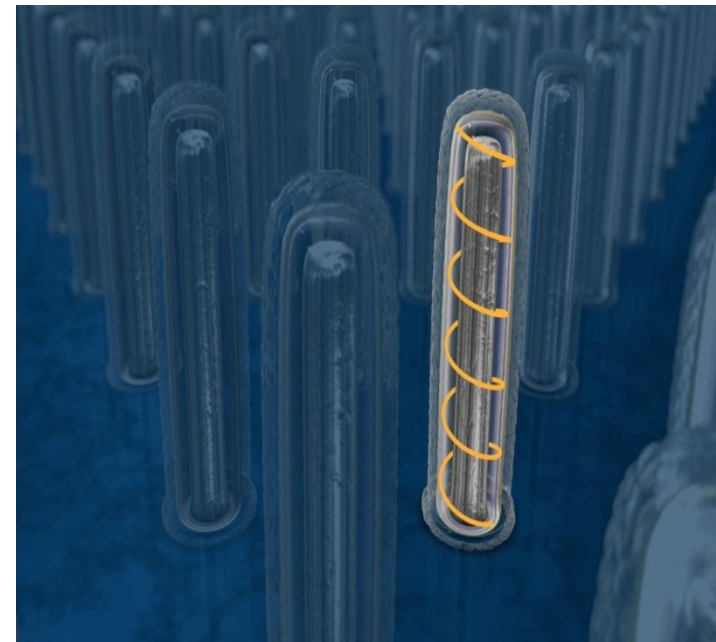


Solar Brush Provides Three Major Advantages

1. More Volume
2. Superior Light Trapping
3. Minimal Recombination



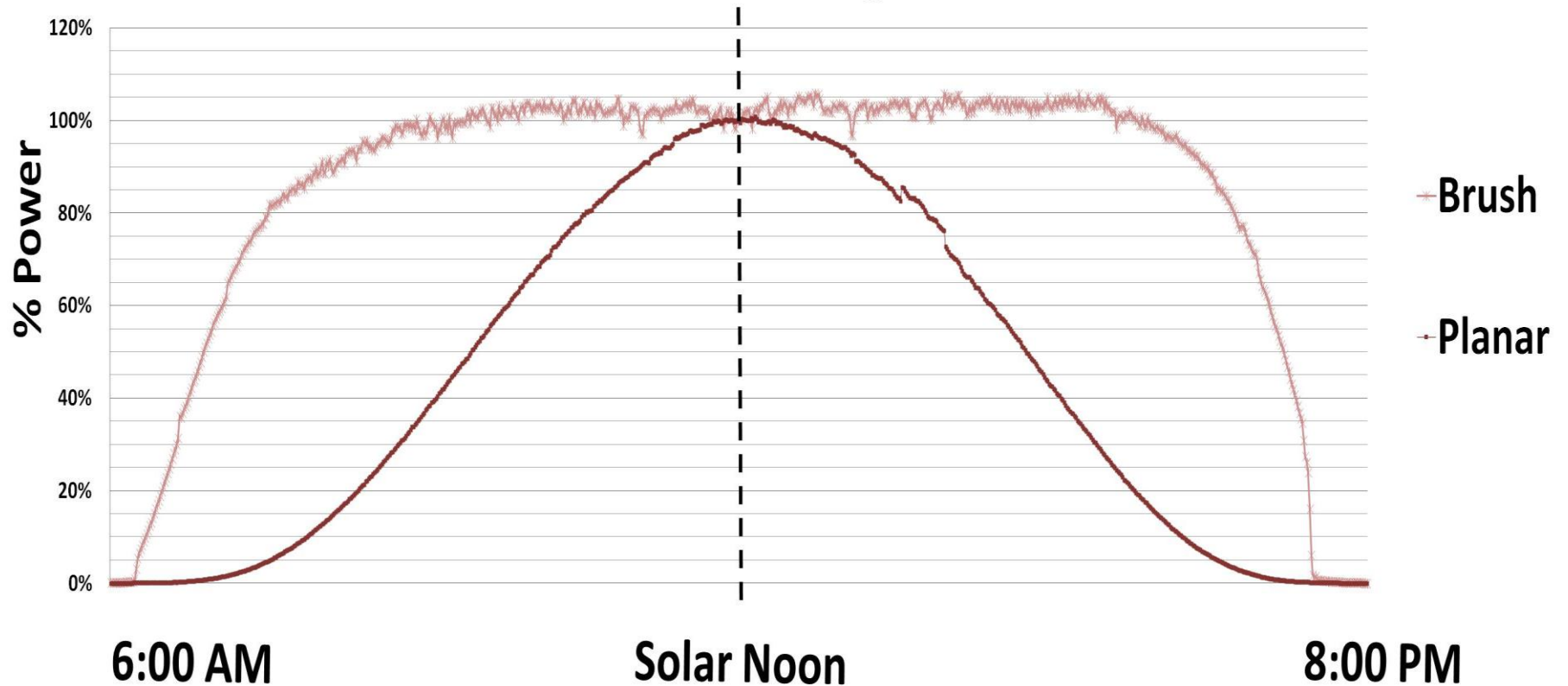
Planar Architecture Two Passes



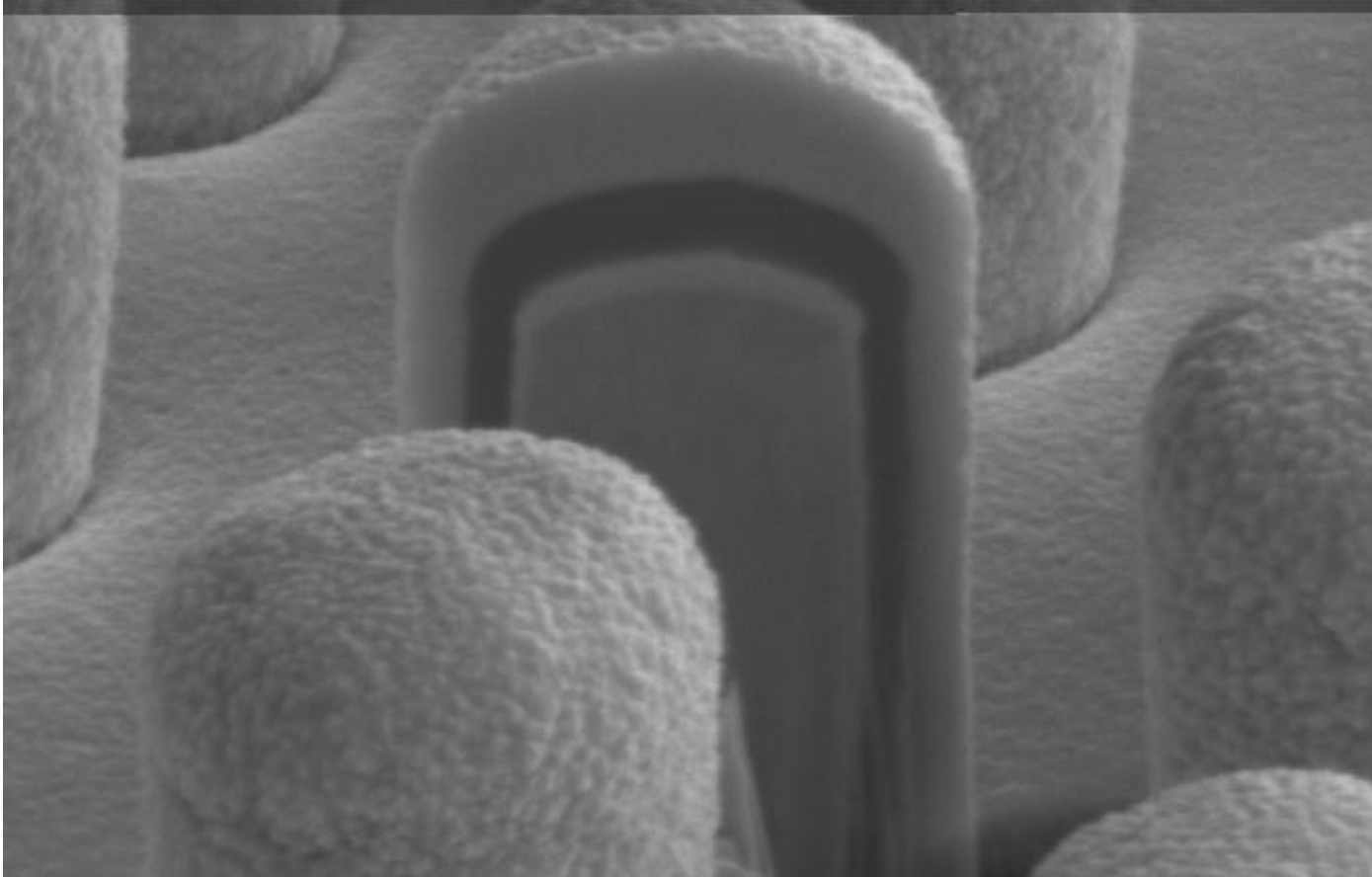
Bloo's Architecture Extended Path Lengths

1.92X More Power In Watt Hours

Outdoor Solar Testing Power Curve



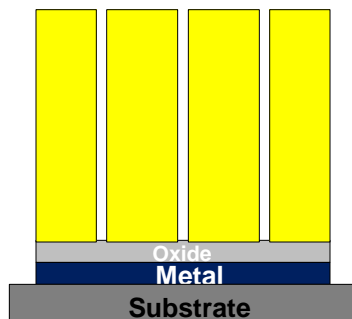
a-Si FIB



Solar Brush Process Steps

Substrate Process with Photo Resist

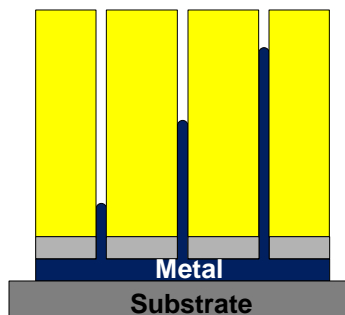
#1 Photo Resist



Photolithography
/Develop



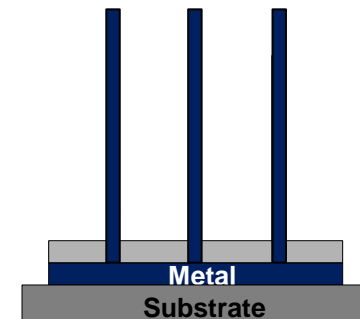
#2 Nanowire Growth



Oxide Etch
Electrochemically
Deposit Nanowires

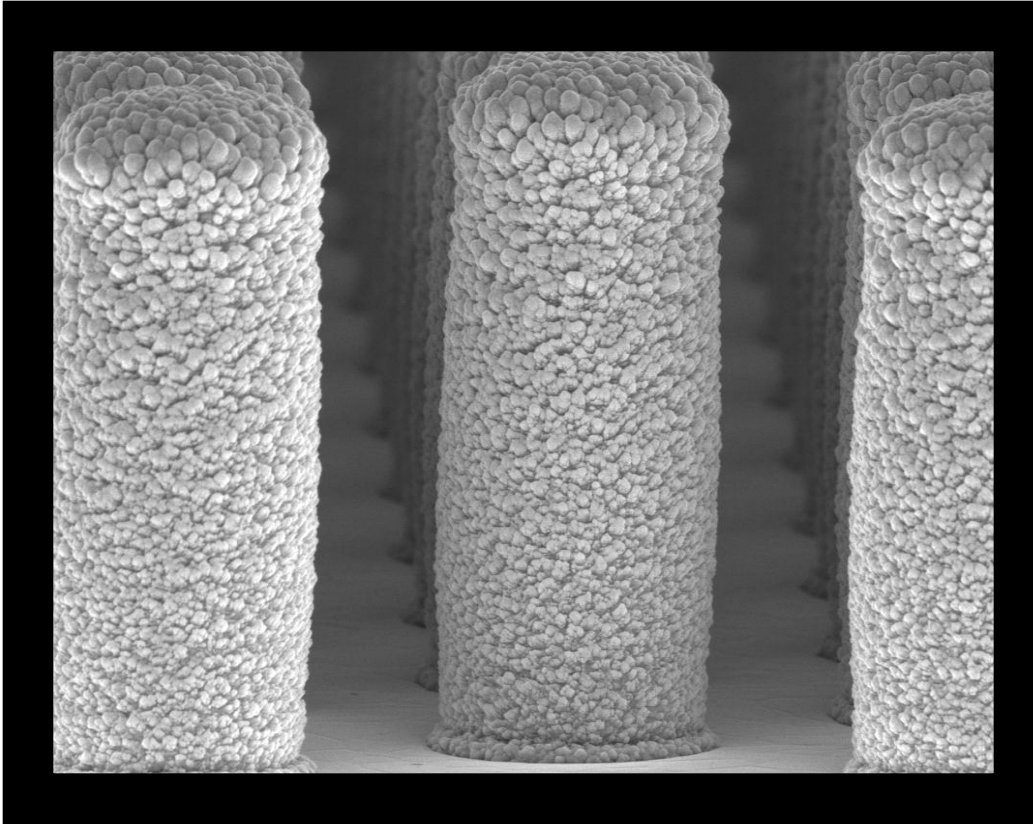


#3 Nanowires



Dissolve Photo Resist

Contact Information



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