

CLEAN CASH™



Presented By: Scott Andrews

Problem: More Than COVID

“No cash will ever be germ free so your best bet is to always wash your hands after handling cash”



Source: Signify UV Light Degrades Coronavirus, Dr. Anthony Griffiths, Professor at Boston University School of Medicine. Published June 17-2020 LightED

Problem: US Bills Are Not Clean and Can Host the COVID-19 Virus

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How long the new coronavirus can live on surfaces

SURFACE	LIFESPAN OF COVID-19 VIRUS
 Copper	4 hours 
 Cardboard	24 hours 
 Paper money	4 days 

*At 69.8 to 73.4°F (21 to 23 °C) and 40% relative humidity

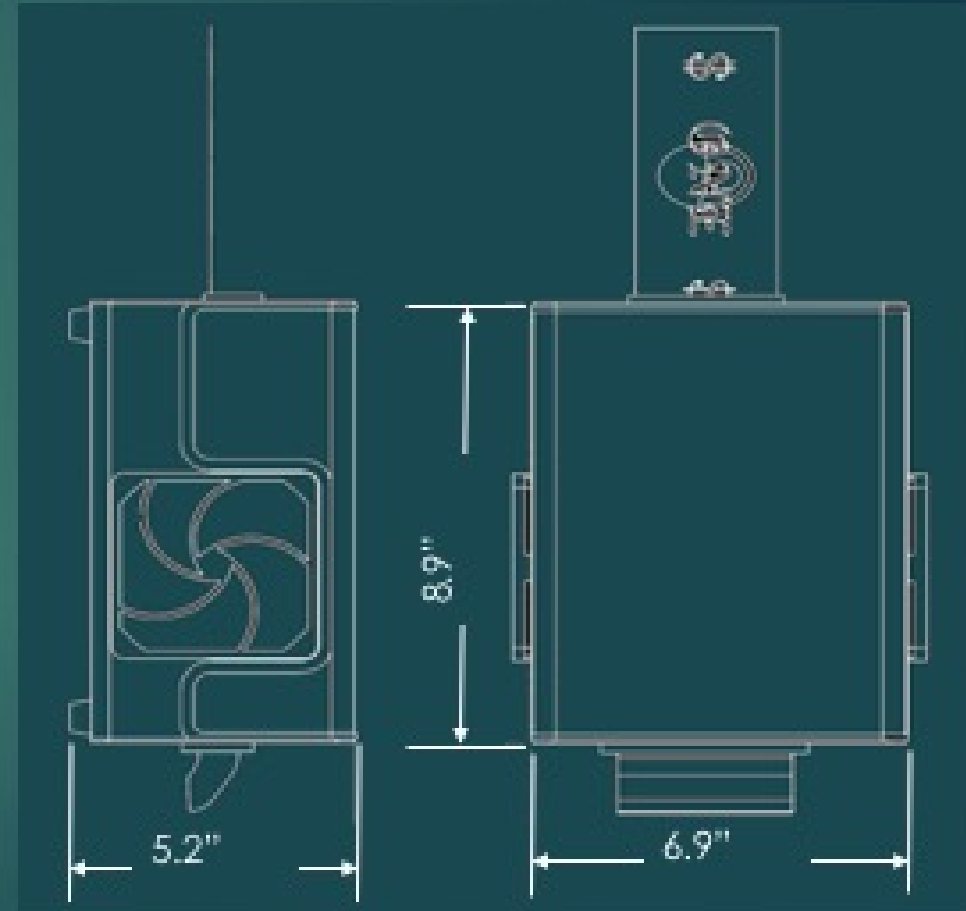
**At 71°F and 65% relative humidity

Source: New England Journal of Medicine*; The Lancet Microbe**

BUSINESS INSIDER

Solution the CLEAN CASH™ Machine

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DEMO VIDEO

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Clean Cash Lethality to SARS-CoV-2 (the virus that causes COVID-19 Infections)



- In 1-2 seconds per bill The CLEAN CASH™ Machine delivers $>10\text{mJ}/\text{cm}^2$ of UVC light to both sides of a bill killing¹ 99.9%³ of the COVID-19 virus.

CLEAN CASH™ machine should also kill¹ $>99\%$ of 100's of other pathogens including⁴

- Staph
- E-Coli
- Influenza A,
- SARS
- Rhino Viruses

¹ Kill is defined as the damage the virus RNA to a sufficient degree that it can no longer reproduce by infecting people.

Source: Signify UV Light Degrades Coronavirus, Dr. Anthony Griffiths, Professor at Boston University School of Medicine, Publist June 17-2020 LightED

² UV-C Airstream Disinfection Application Guide for the Virus Belt, Walker, Chris & Co, Gwanggyo, (2007). Effect of Ultraviolet Germicidal Irradiation on Viral Aerosols, Environmental Science & Technology, 41, 5460-5

Nature: Inactivation of *Listeria* and *E. coli* by Deep-UV LED: effect of substrate conditions on inactivation kinetics

³ Some studies looked at UVC effectiveness in air or in water

Value Proposition

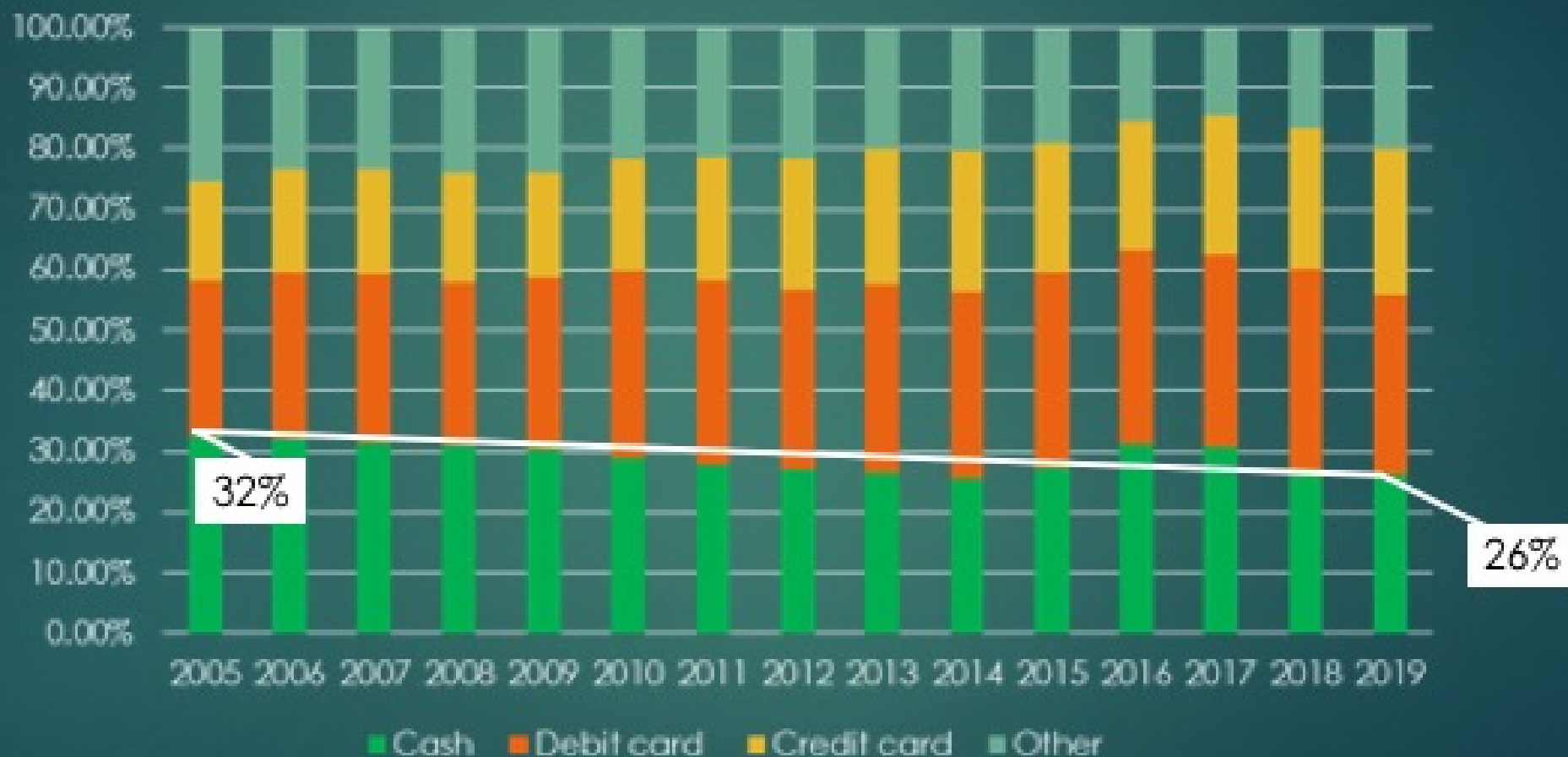
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- ▶ Protect Employees
- ▶ Differentiate your business by providing CLEAN CASH™ to customers
- ▶ Eliminate restrictions on cash
- ▶ Avoid credit and debit card fees



Cash is Here to Stay !

Payment Method Utilized



Source: Federal Reserve

Market for CLEAN CASH POS Product



30-60 Bills per Minute
Point Of Sale Unit

US Retail Market Values in Billions of USD

	TAM	SAM	SOM
Total Sales	4,076	2,349	
Credit Card & Debit Card Fees	38	22	
Fees Saved if 10% Shift to Cash	3.8	2.18	0.87
Portion Savings Captured by TitanLabs CLEAN CASH Program	1.89	1.09	0.44
		Only inclusive of:	Capture 40% of SAM
	US retail stores	-Grocery	
	Excluding:	-Pharmacy	
	- Auto	-Big Box	
	- Furnishing	-Gas Stations	
	- Ecommerce	-Gift	
		-Convenience	

High Speed Machine Market

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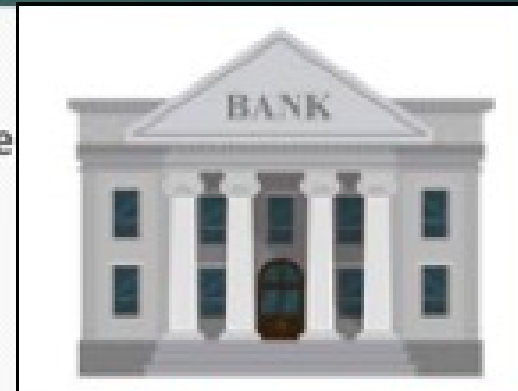
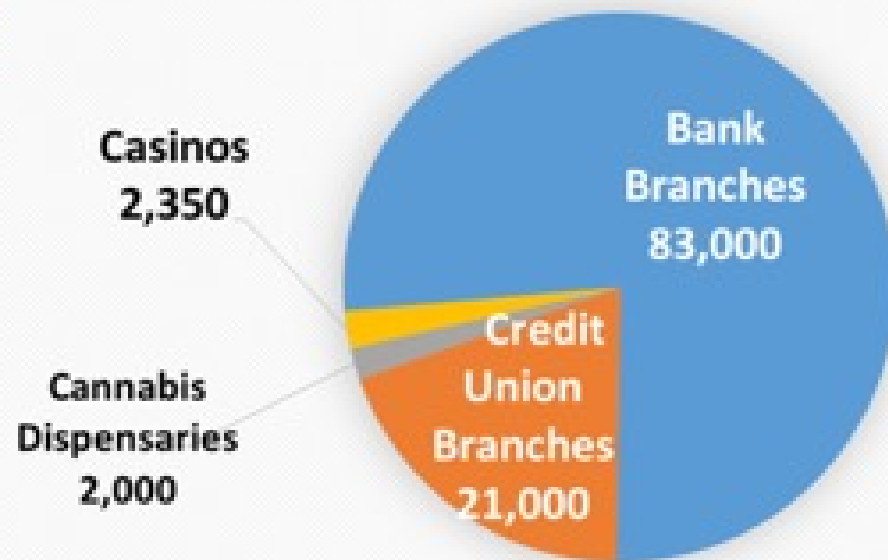


\$43.60 Billion in Gross Revenue



\$20 Billion Industry

108,000 Non Retail Locations in Target Market for High Speed CLEAN CASH Machine



US Banks \$233 Billion in 2019 profit



Retail Back Office



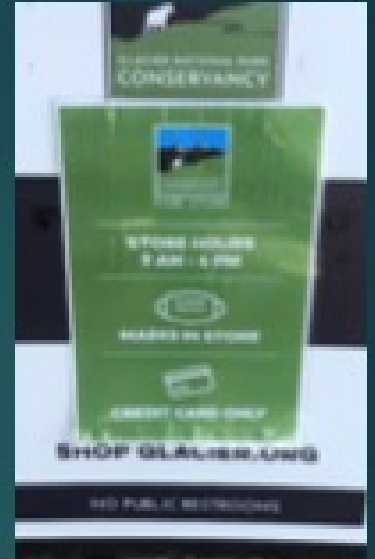
The Objective

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Raise \$450,000 in SAFE seed round
(Del C Corp) with the following deliverables:

- ▶ Production ready POS Clean Cash Machine
- ▶ Production ready High Throughput 200 Bills Per Minute Machine
- ▶ Strong patent protection
- ▶ Laboratory verified SARS-CoV-2 lethality testing
- ▶ Broad spectrum pathogen lethality testing
- ▶ Beta Testing / Sales >100 customers
- ▶ Corporate Client Pilot Program

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Our People

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David "Scott" Andrews– Founder / CEO
Inventor - Product Development - Leadership
Holds 2 US Patents 10,739,194 B2 &10,837,193



Patrick Jreijiri– Mechanical Engineer
Mechanical - Electrical - Controls - Design For Manufacturing

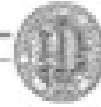


JOHN SWARTZBERG, MD, FACP –Public Health Consultant
Clinical Professor Emeritus at UC Berkeley's School of Public
Health in the Division of Infectious Diseases and Vaccinology.



Validation:

UNIVERSITY OF CALIFORNIA, BERKELEY



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November 23, 2020

RE: CashClean

Dear NSF-SHR:

I am a Clinical Professor Emeritus at UC Berkeley's School of Public Health in the Division of Infectious Diseases and Vaccinology. Over the last year I have consulted on a pro-bono basis with CashClean during its development stage.

I think this device has significant value. We have known for many years that paper money is an ideal way to spread pathogens (e.g., MRSA). Inanimate objects like paper money potentially could be a mechanism of spread of SARS CoV-2. CashClean should be an effective device to eliminate this risk.

The product needs to document its efficacy. I have agreed to be a consultant for CashClean in its next stage of development.

Sincerely,

John Swartzberg, M.D., F.A.C.P.
Clinical Professor of Medicine, Emeritus
School of Public Health

Cedar Market, Berkeley CA- First to Sign Leas Contract - Letter of Intent

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