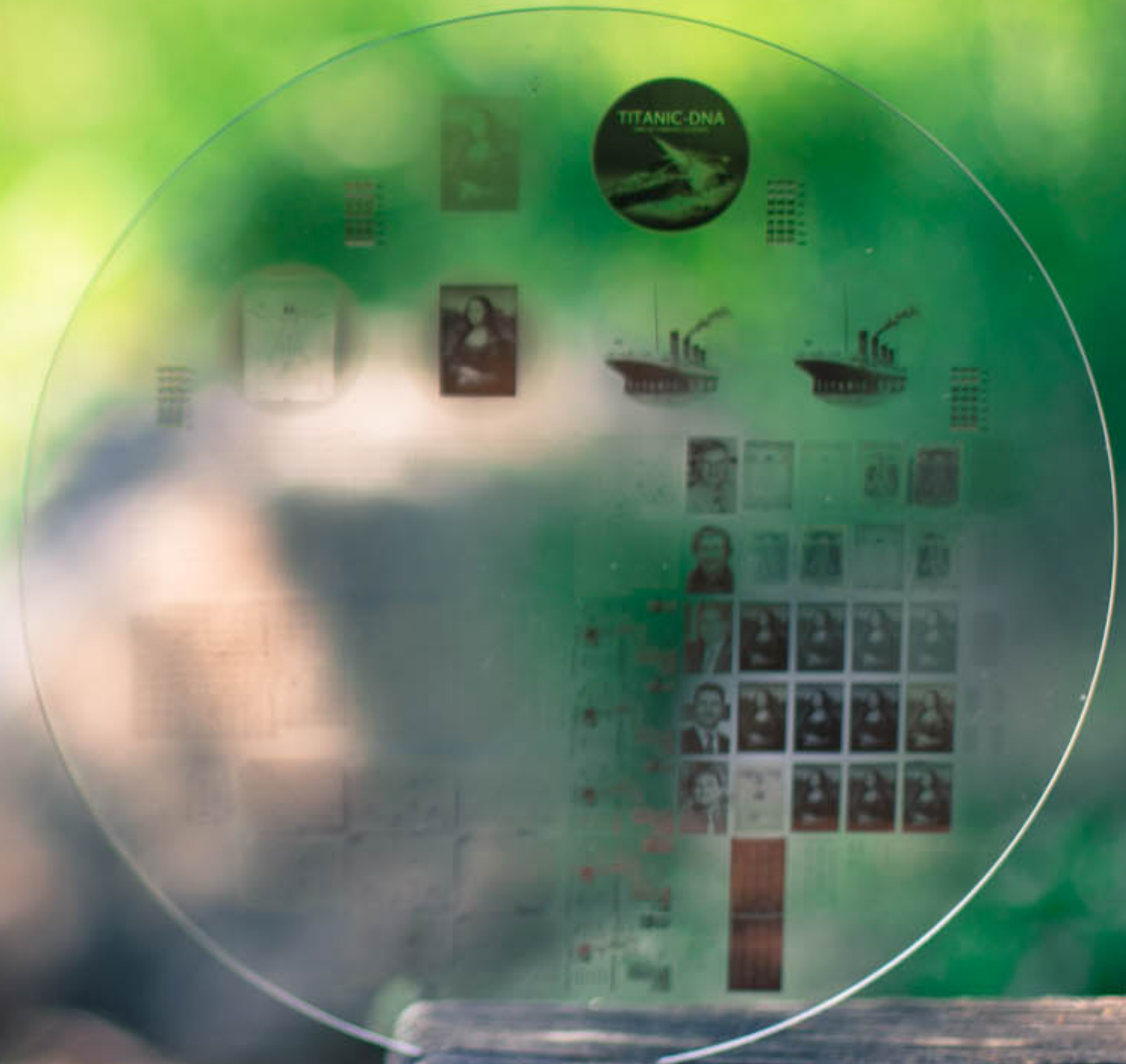


# FAHRENHEIT 2451

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## PRESS KIT







# THE PROJECT

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Few years ago, Alain REY (Founder of Arnano) created a revolutionary technology for long lasting data archiving : **sapphire engraving**. The technology is now used by industrials, and **Fahrenheit 2451 is dedicated to bring it to people's home.**

**Because data conservation is a real concern** today: most storage devices (USB keys, hard drives, CDs/DVDs) don't last more than 30 years and the Cloud is not as safe as it should be, **synthetic sapphire** with a virtually endless life and a resistance to elements, erosion and every damage of time looked like the solution. In parallel, laser engraving had become so precise, that it was now possible to 'print' an huge amount of content on a very tiny disk of sapphire: it is called the « Nanoform ».

The Nanoforms produced today will literally not change in 100 years and even in 100,000!

**A 8" Nanoform stores up to 10,000 documents** (pictures or text pages), which are perfectly readable with any magnifying device. If we talk resolution, it's 200,000 pixels wide - which means **30,000 megapixels!**



# PERSONAL NANOFORMS

Nanoform manufacturing is mastered for perennial conservation. The technology is now well used by industrials, and it's ready to reach the public. The Fahrenheit 2451 project **will allow everyone to own a personal nanoform**, encapsulating their own memories.

Three different sizes are available: the 1" Medallion (which can be worn as a necklace or earring), the 2" Nanoform and the 4" Nanoform. These Nanoforms have a respective storage capacity of 120, 500 and 2500 documents (text pages or pictures).



The 1" Medallion  
(shown on the left)

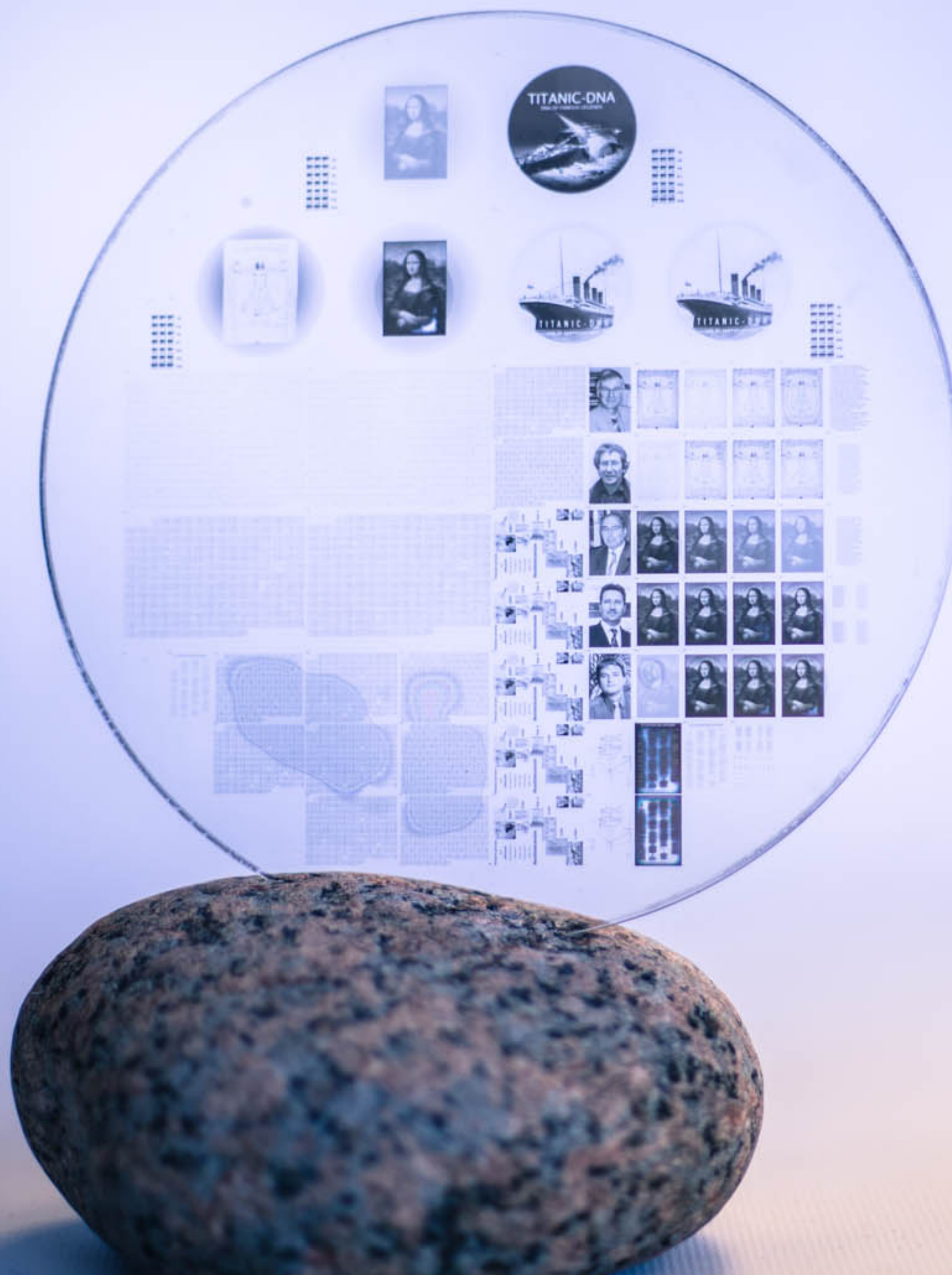


The 2" Nanoform



The 4" Nanoform





## « LA NANOFORM »

A large number of people will have the opportunity to contribute to our gigantic - yet tiny - **Time Capsule**. It's a 8" sapphire disk called "La Nanoform", that will be stored and displayed forever in a museum. As it will gain value over time, "La Nanoform" will be one of the best testimonies of our time, showing both the technology level of the 21st century and the precious memories of its inhabitants.

We offer spaces on "La Nanoform" as rewards to our Kickstarter contributors, with several content possibilities (lines of text, small and large pictures).



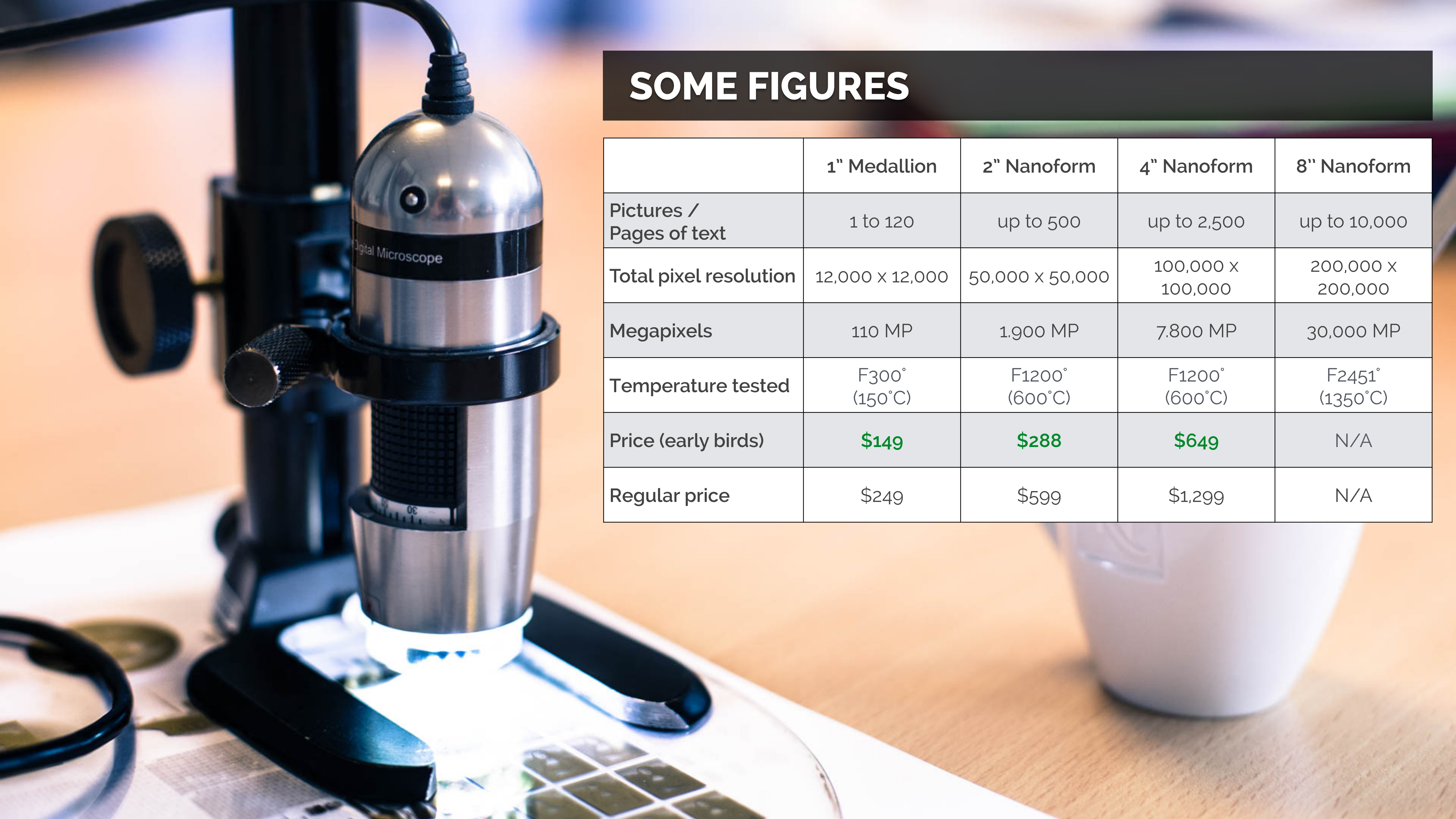
# WHAT FOR CAN YOU USE THEM ?

- A wedding gift for two newlyweds: a jewel containing all their common memories to accompany them through life.
- A gift for a loved one, with pictures of you two engraved inside. The 1" Medallion can even be worn as a necklace or earring!
- A unique family tree, engraved in a small piece of art, with the complete genealogical tree of the family and associated document facsimiles.
- A memorial for a loved one, with an eternal tribute to his or her life, history, and accomplishments.
- A lifetime catalog of a writer, composer, model, photographer, collector... work. Engraving all of his or her work into an eternal and tiny sapphire disk is a unique opportunity.
- A personal photo album on sapphire.

**There are so many ways to use a Nanoform!**







# SOME FIGURES

	1" Medallion	2" Nanoform	4" Nanoform	8" Nanoform
Pictures / Pages of text	1 to 120	up to 500	up to 2,500	up to 10,000
Total pixel resolution	12,000 x 12,000	50,000 x 50,000	100,000 x 100,000	200,000 x 200,000
Megapixels	110 MP	1.900 MP	7.800 MP	30,000 MP
Temperature tested	F300° (150°C)	F1200° (600°C)	F1200° (600°C)	F2451° (1350°C)
Price (early birds)	\$149	\$288	\$649	N/A
Regular price	\$249	\$599	\$1,299	N/A



# FAHRENHEIT 2451'S FOUNDERS

XYALIS and Arnano have been working on silicon wafers for years, usually used to engrave integrated circuits: it is a critical step in the production of high-tech devices, such as your smartphone or your computer.



*A digiscope zooming on a 4'' Nanoform*



ARNANO adapts microelectronic technologies to graphical applications. After years of research, the ARNANO team developed and patented, with the CEA, a technology used to engrave synthetic sapphire. ARNANO was founded in 2009 and is a well-known supplier of “art pieces” for luxury watch industry.



**Alain REY** is the founder of ARNANO. Alain is an experienced team and project manager in R&D and manufacturing. His experience was acquired in large industrial groups and start-ups (Thomson, Thales Avionics, Silmag) as well as in technological research with the CEA. Alain also has a good experience in industrializing technologies transferred from CEA / LETI and from other companies like IBM or ONERA.

**Alain is the inventor of the Nanoform** and the owner of the patents regarding sapphire engraving.



XYALIS is an Electronic Design Automation (EDA) company, which offers software tools in the area of Design for Manufacturing. XYALIS was founded in 1998 and is one of the world leaders in its domain.



**Farid Benzakour** is co-founder of XYALIS and is Global Operations Director in charge of business development. Farid has experience in micro-electronics software development, business development and marketing for more than 25 years.

**Farid** is the founder of the Fahrenheit 2451 project.



# OUR TEAM

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Fahrenheit 2451's team is a multidisciplinary team of 12 persons working in Grenoble, the "French Silicon Valley", comprised of engineers, business and communication professionals.

## CONTACT

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Our website : [www.fahrenheit2451.com](http://www.fahrenheit2451.com)

Facebook : [www.facebook.com/fahrenheit2451](http://www.facebook.com/fahrenheit2451)

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## OUR VIDEOS

Main video : <https://www.youtube.com/watch?v=4XZgSRxogoM>

Teaser : <https://www.youtube.com/watch?v=MXj9xIEoZnc>

