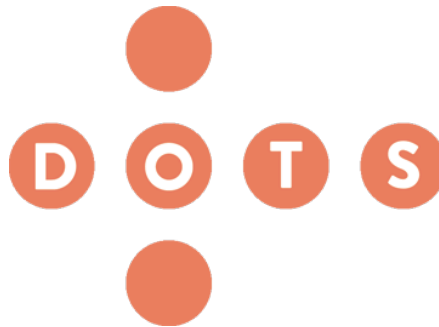


# GROUP **4** **7**



## Update on DOTS Archival Data Storage



Rob Hummel  
President

# The Reality



small, to influence anyone in any way, however trivial.

"Then you will come back here, go to bed and sleep all night. You will awaken in the morning as usual, free of all hypnotic suggestion. So that as you open your eyes, all your knowledge of the twentieth century will light up in your mind again. But you will remember your walk. You will remember your walk. You will remember your walk. Now . . . let go. And sleep."

I was embarrassed; the moment I woke up in my chair I glanced quickly over at Oscar's chair and saw that he was gone, his glass on a table, and I wondered what he must have thought at my falling asleep while he sat here, a guest. But I knew he wouldn't mind; we were old friends and he'd be amused.

I felt rested now, though, alive and energetic, a little too restless to feel like going to bed, and I decided to take a walk. It was still snowing, but big soft flakes. There was no wind, I'd been indoors too long, and I wanted to get out, into that snow, breathing chill fresh air; and I walked to the closet and put on my overcoat, chest protector, boots, and my round fur cap of black lamb's wool.

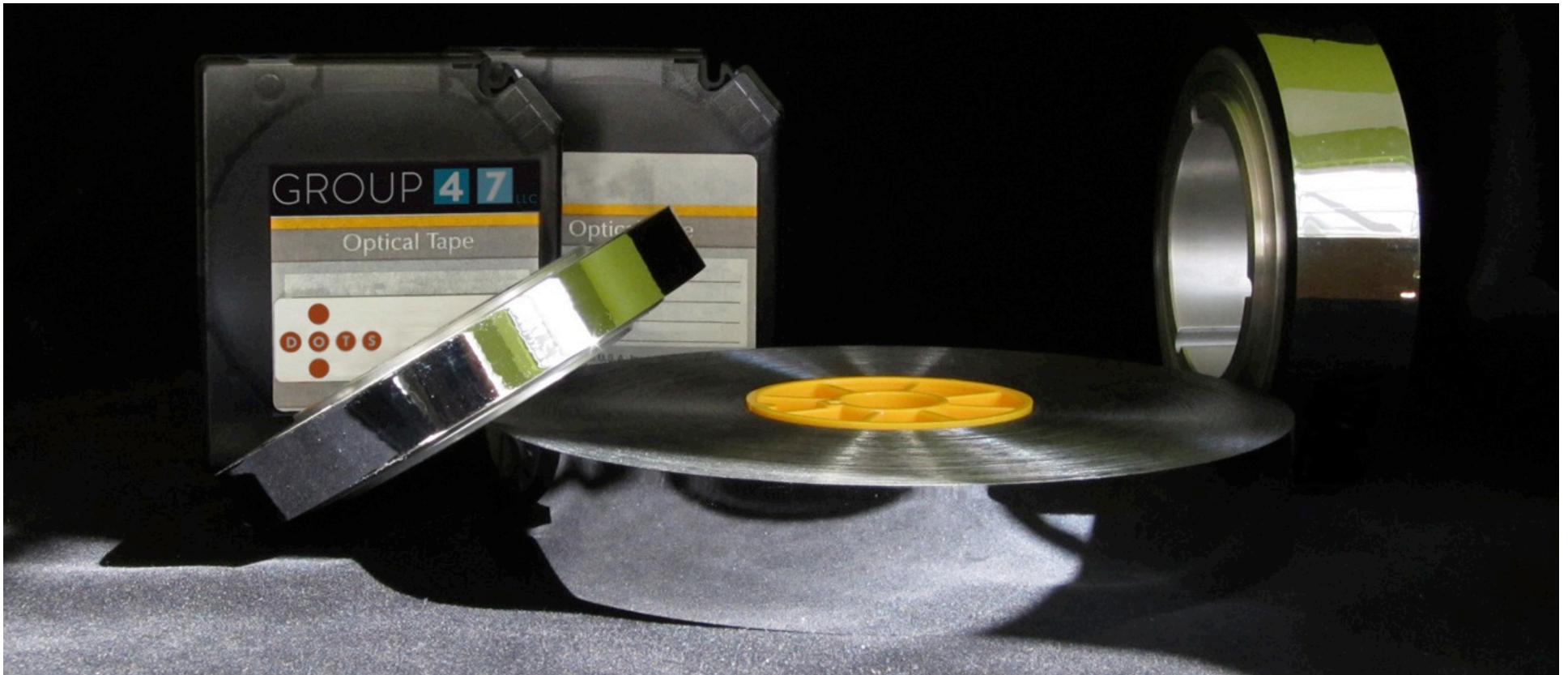
I walked down the building stairs, somehow glad to encounter no one; I didn't feel like chatting, and if I'd heard someone on the stairs I think I'd have stood waiting till he'd gone. Downstairs I walked out of the building, glancing quickly around, but saw not a soul—tonight I didn't want to see anyone—and I turned toward Central Park just across the street ahead. It was a fine night, a wonderful night. The air was sharp in my lungs, and snowflakes occasionally caught in my lashes, momentarily blurring the streetlamps just ahead, already misty in the swirls of snow around them.

Just ahead the street was almost level with the curb, unmarked by steps or tracks of any kind. I crossed it and walked into the park. There was no path to be seen or detected; I simply avoided bushes and trees, and it was hard going, the snow seven or eight inches deep now. It occurred to me that I'd better not go too far from the lights of the street or I could easily become lost, and I turned to look back. The streetlamps were plainly visible, and I could still see my own footprints in their light, but they were covering over very quickly and I knew that in only minutes they'd be gone again and that I'd never be able to follow them back if I went on much farther.

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of the light  
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sleep almost

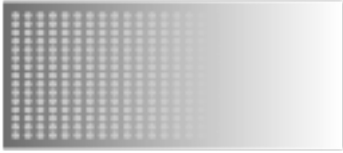
# DOTS

# Digital Optical Technology System

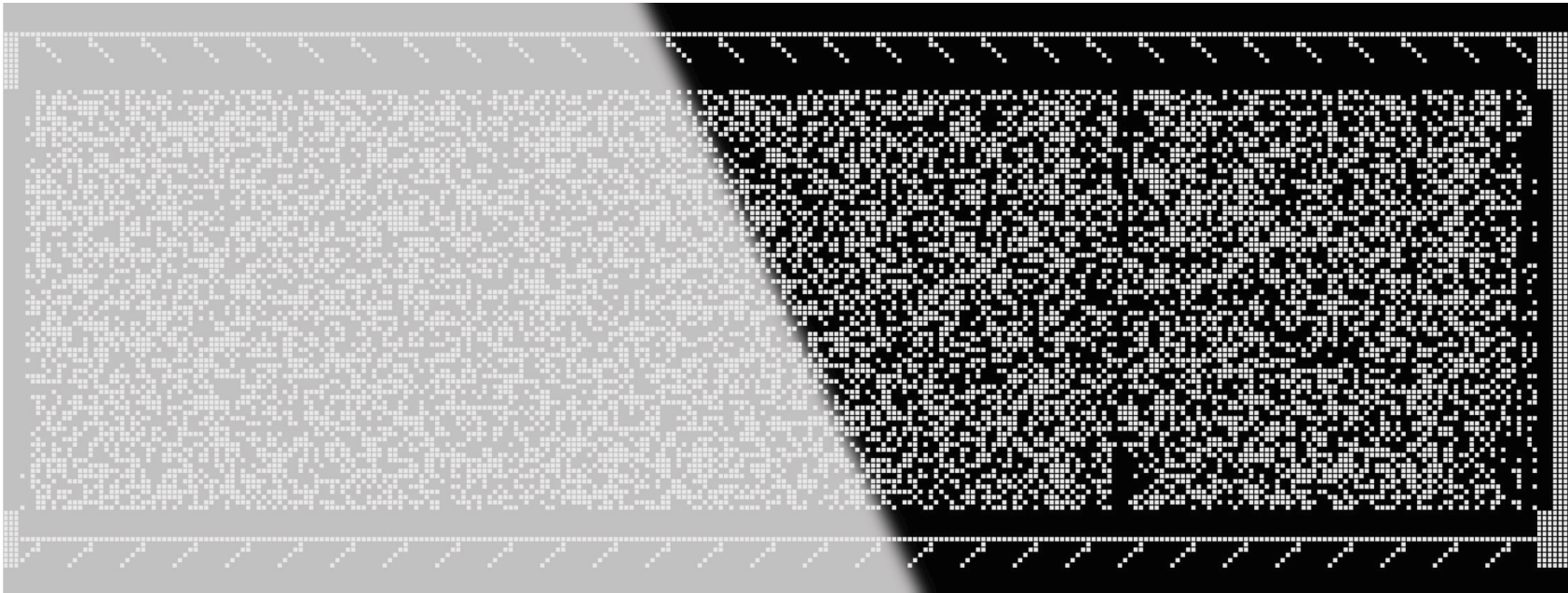


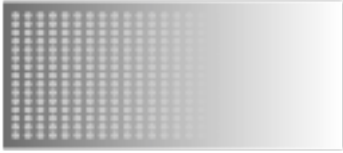
# Test Writes to DOTS Media





**DOTS™**





# A Bit About Bytes

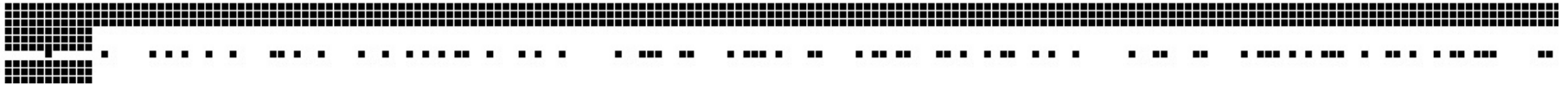


## ARCHIVE

A = 65 = 01000001  
R = 82 = 01010010  
C = 67 = 01000011  
etc...

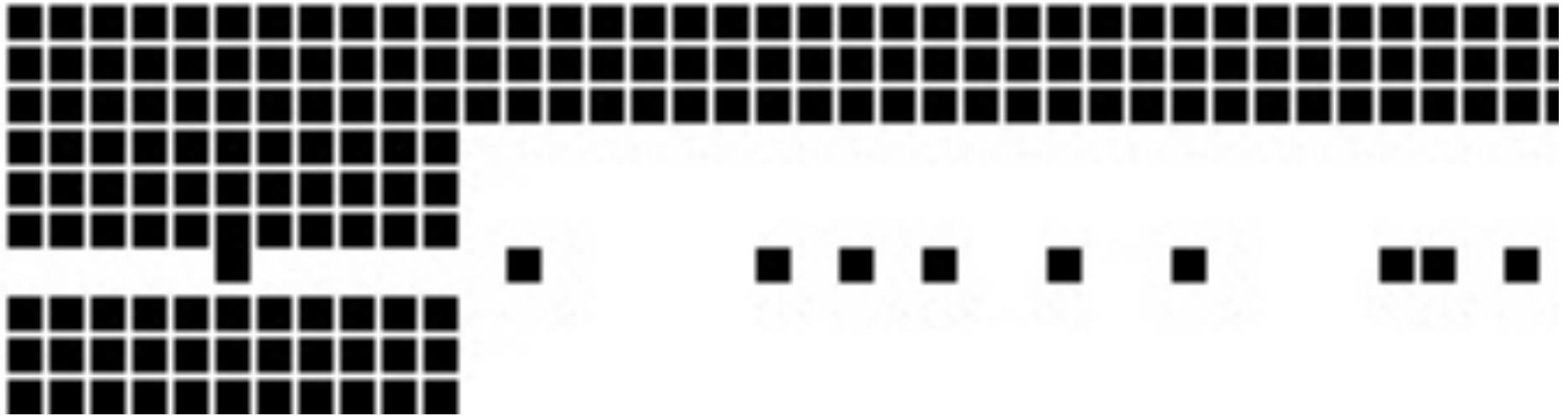
# Visual Representation of Data

Create a TEXT file of the word: **ARCHIVE**



# Visual Representation of Data

Create a TEXT file of the word: **ARCHIVE**



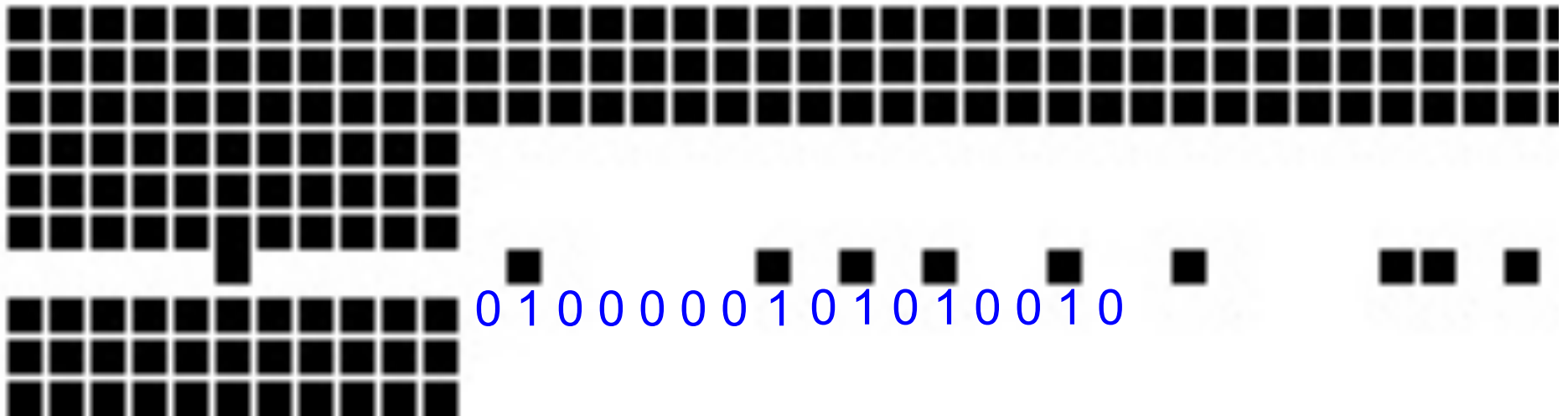
**A** = 65 = 01000001

**R** = 82 = 01010010



# Visual Representation of Data

Create a TEXT file of the word: **ARCHIVE**



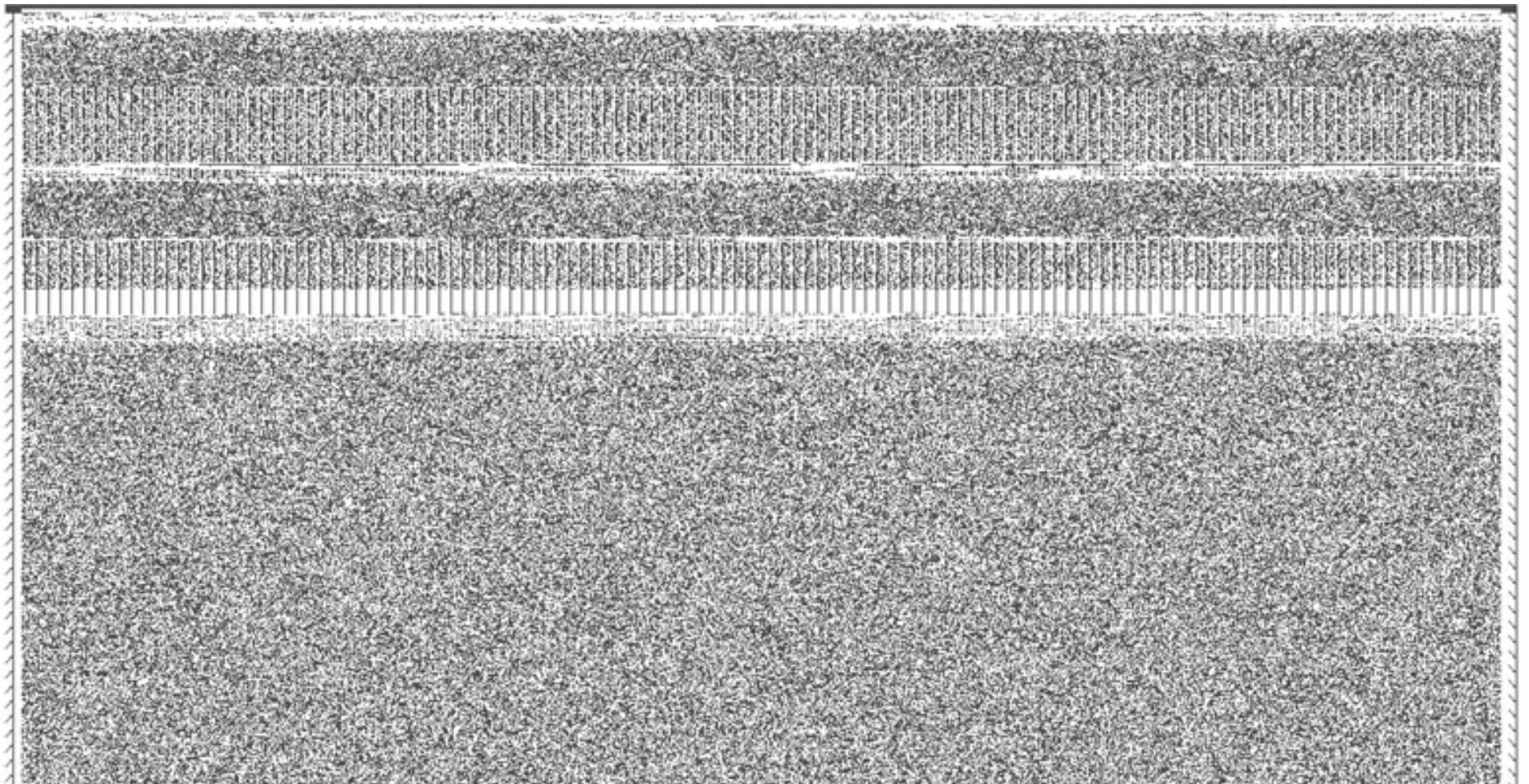
**A** = 65 = 01000001

**R** = 82 = 01010010

# Visual Representation of Data

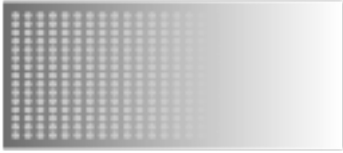


# Visual Representation of Data

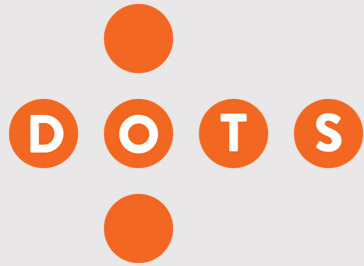


# Visual Representation of Data

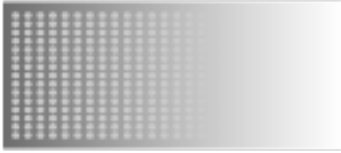




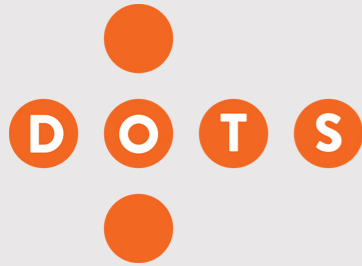
# DOTS



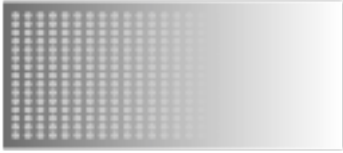
1. Convert any digital file into **DOTS** Visual Binary format.



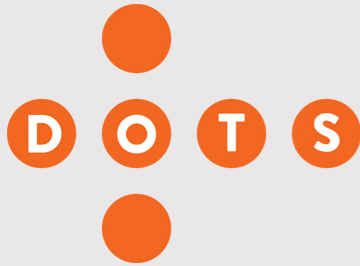
# DOTS



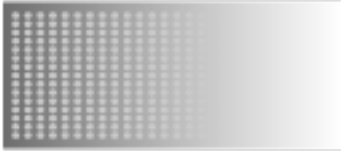
1. Convert any digital file into **DOTS** Visual Binary format.
2. Reconstruct a **DOTS** Visual Binary format into its original format.



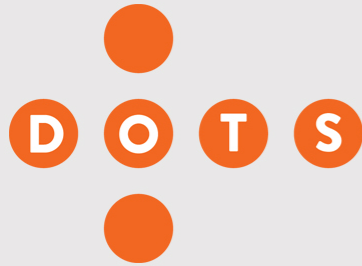
# DOTS



1. Convert any digital file into **DOTS** Visual Binary format.
2. Reconstruct a **DOTS** Visual Binary format into its original format.
3. Prove that Bit Plane Image archiving can be successfully implemented.



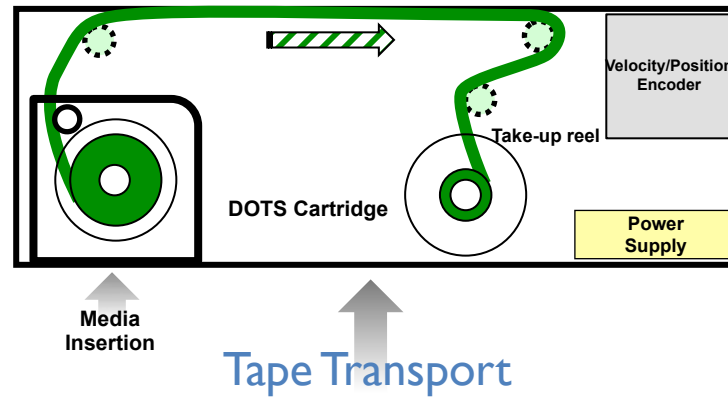
# DOTS



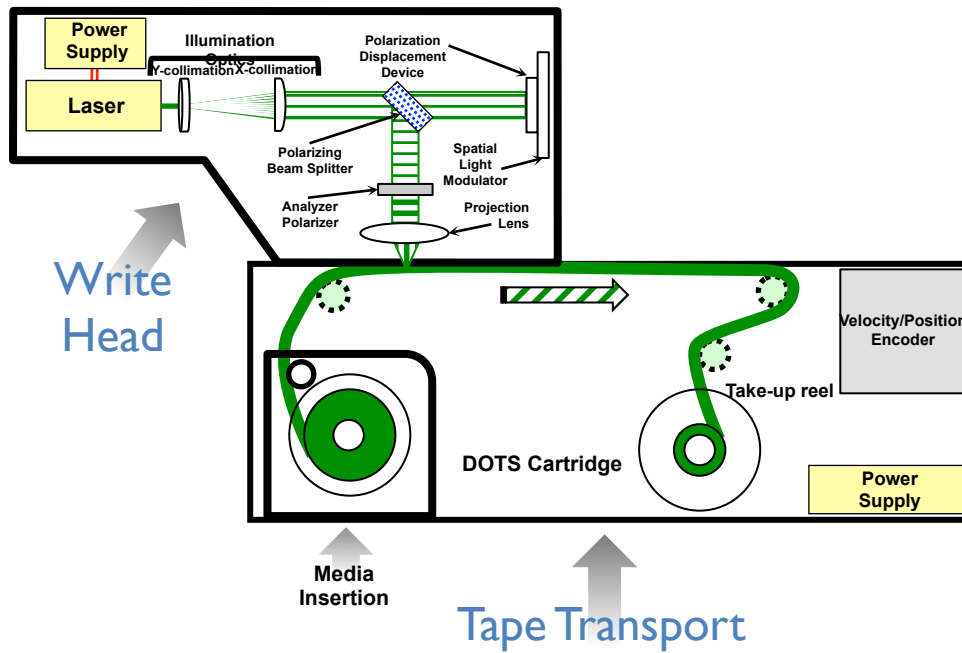
1. Convert any digital file into **DOTS** Visual Binary format.
2. Reconstruct a **DOTS** Visual Binary format into its original format.
3. Prove that Bit Plane Image archiving can be successfully implemented.
4. Successfully write and read back files from **DOTS** metal alloy tape.



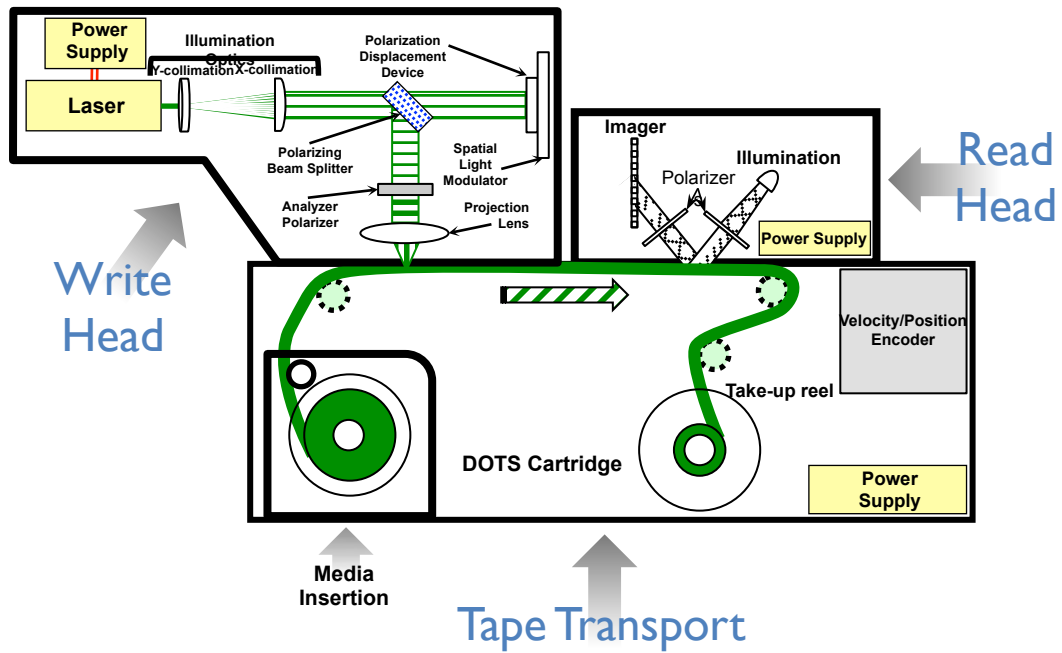
# DOTS Recorder/Reader System Block Diagram



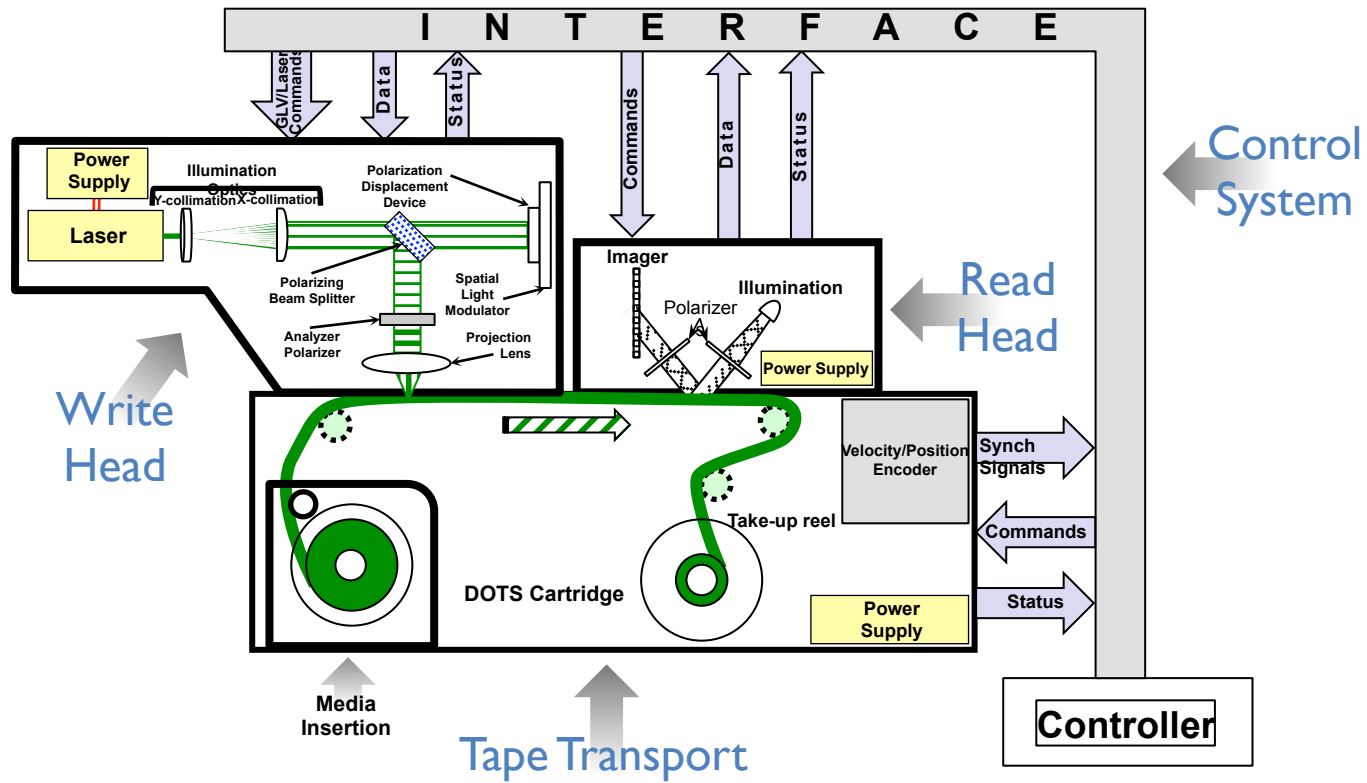
# DOTS Recorder/Reader System Block Diagram



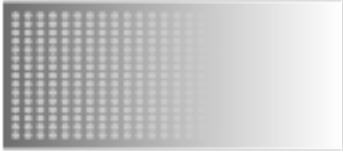
# DOTS Recorder/Reader System Block Diagram



# DOTS Recorder/Reader System Block Diagram



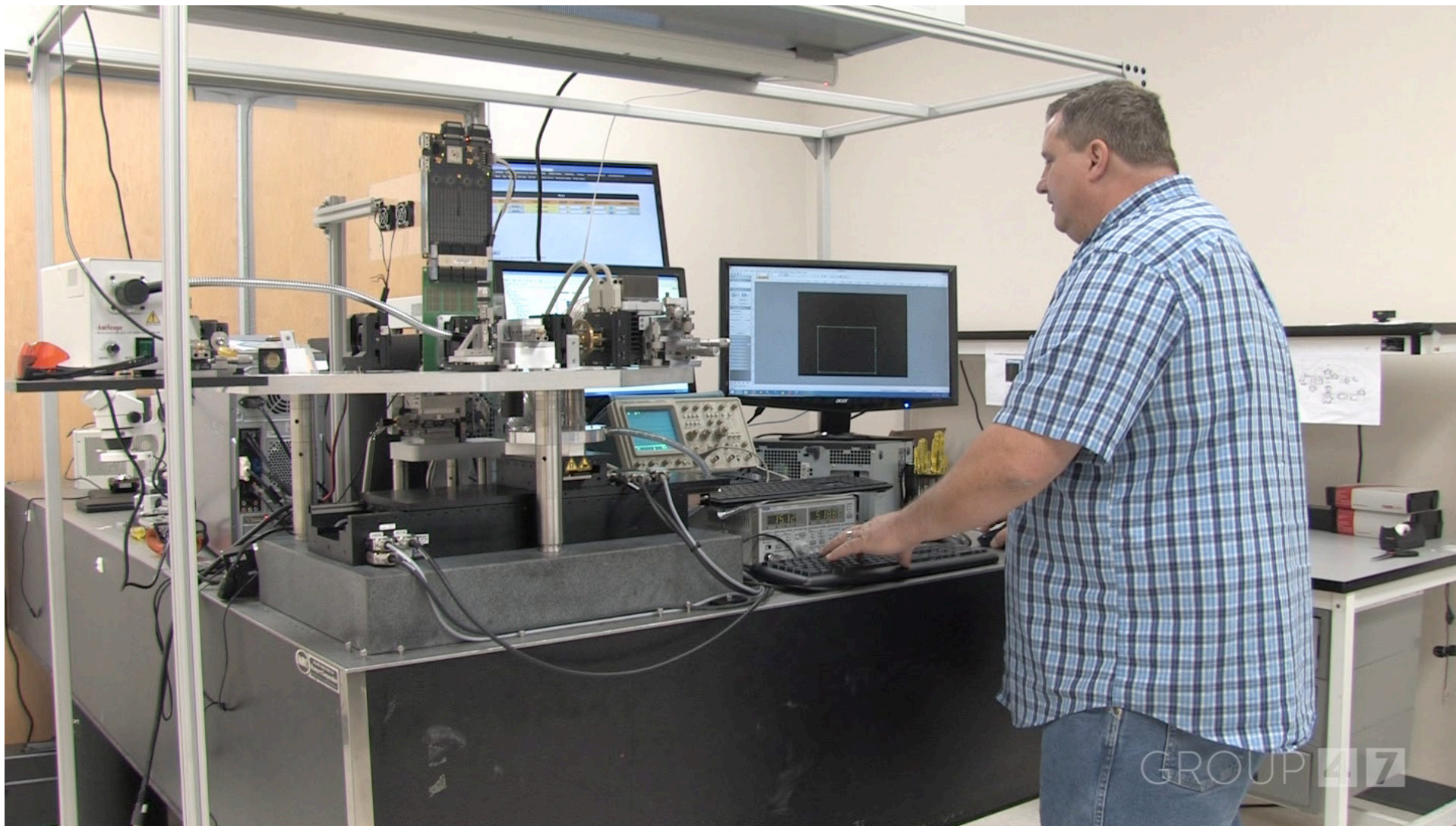
# DOTS



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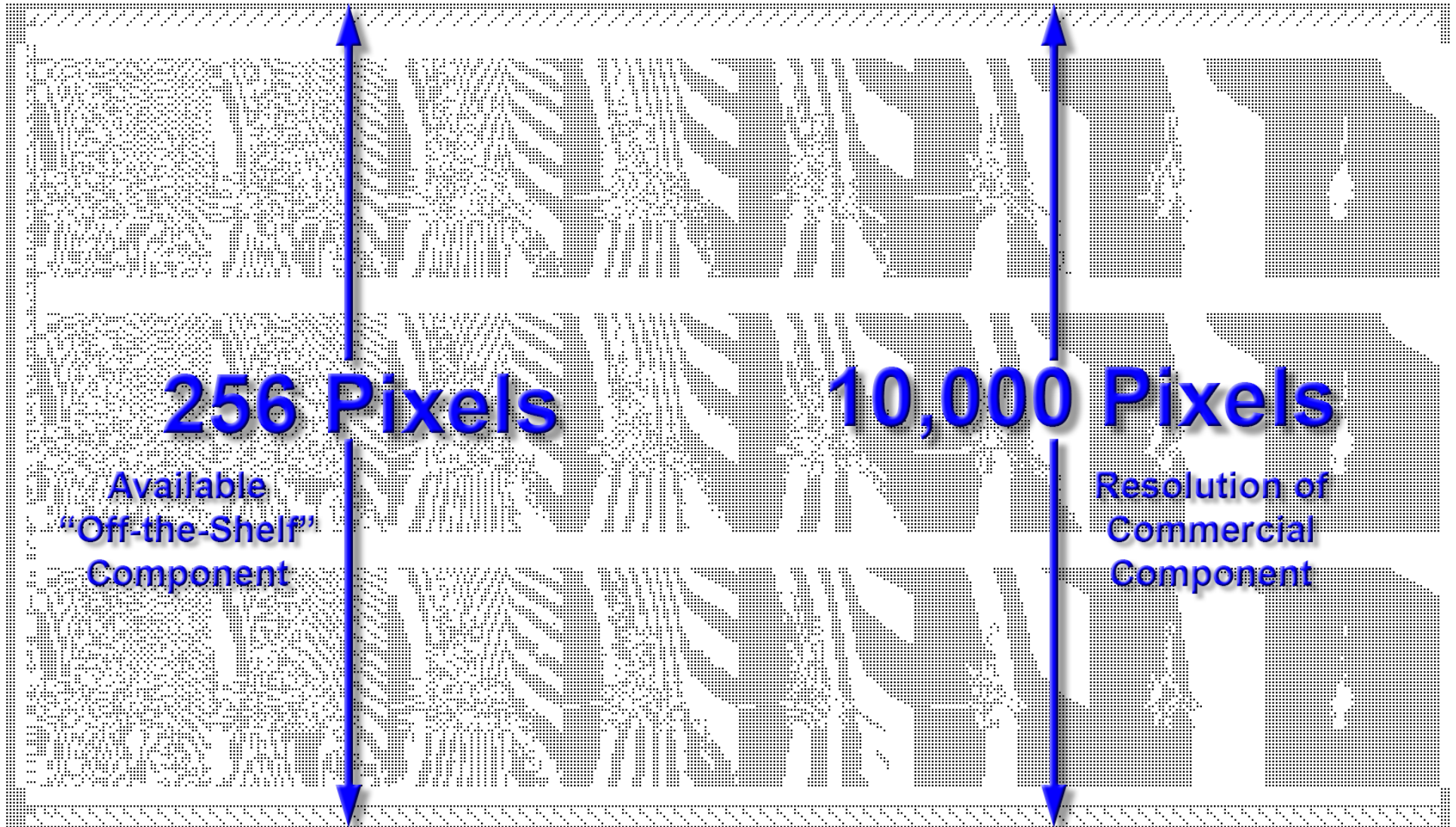
# DOTS



# DOTS

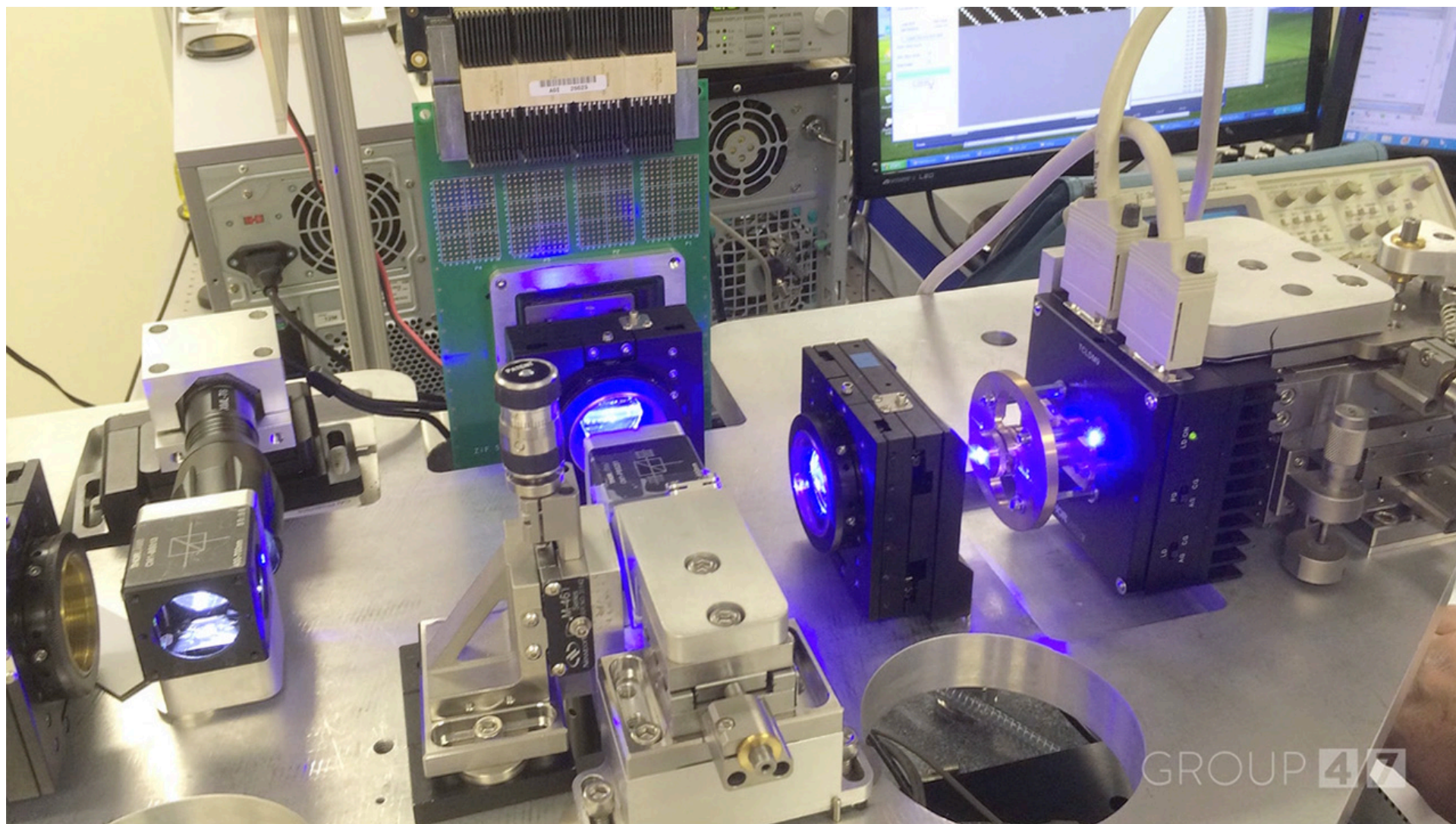


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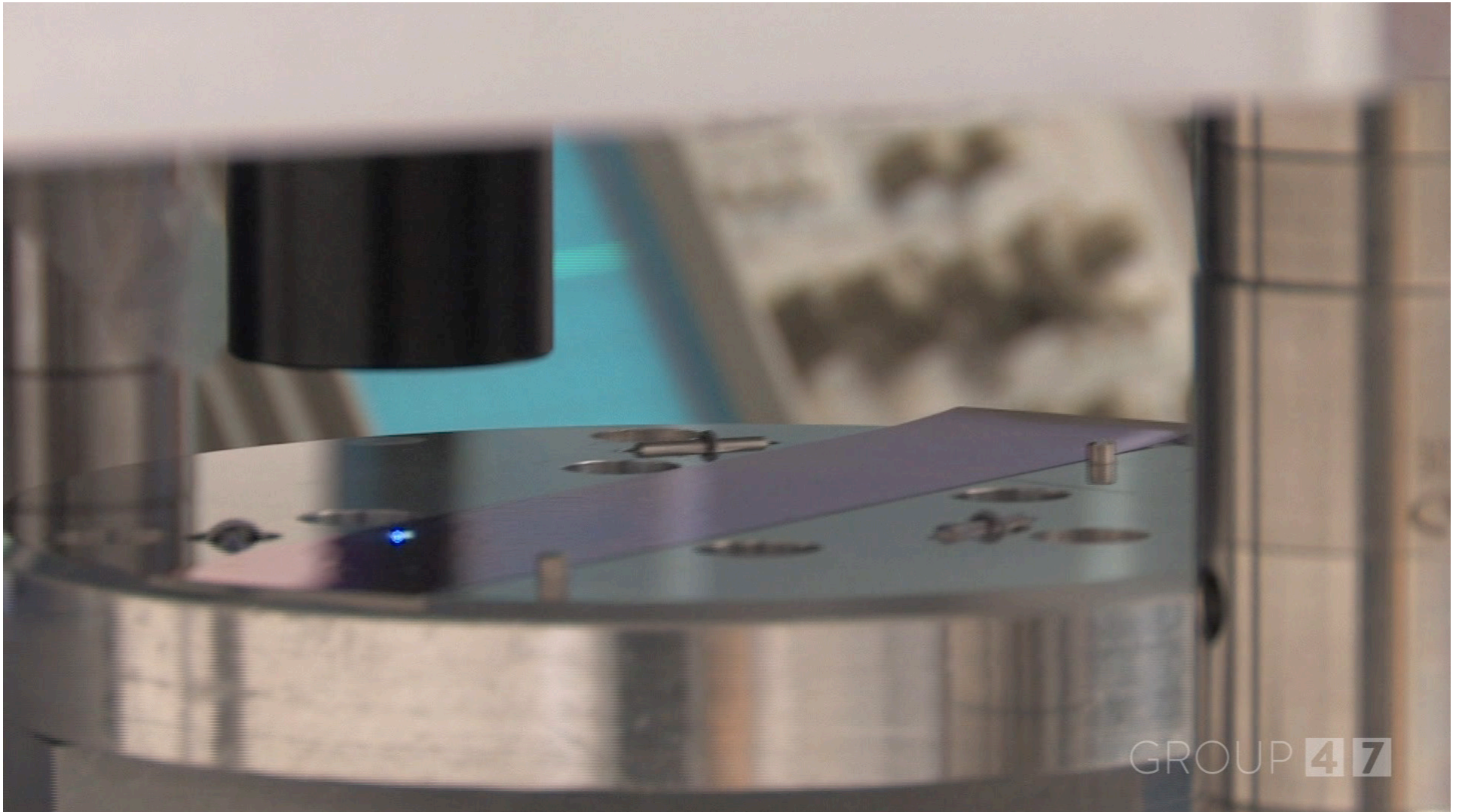
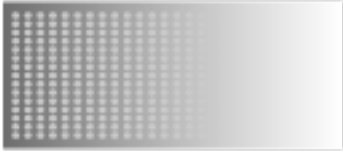




# DOTS



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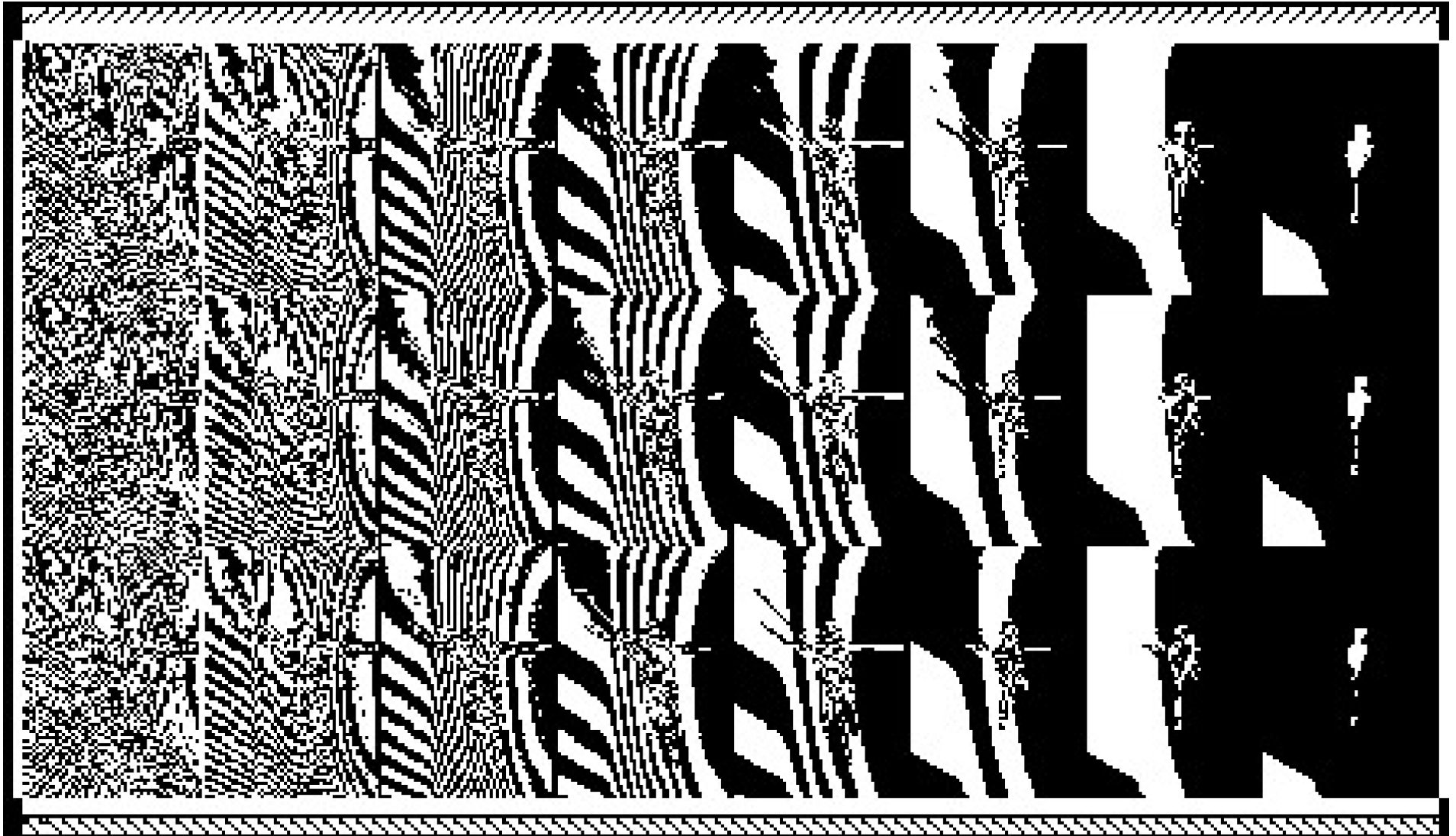
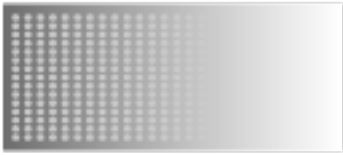


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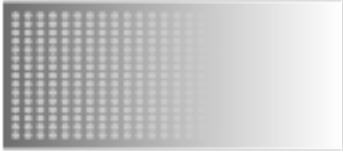
# DOTS



# DOTS



# DOTS



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