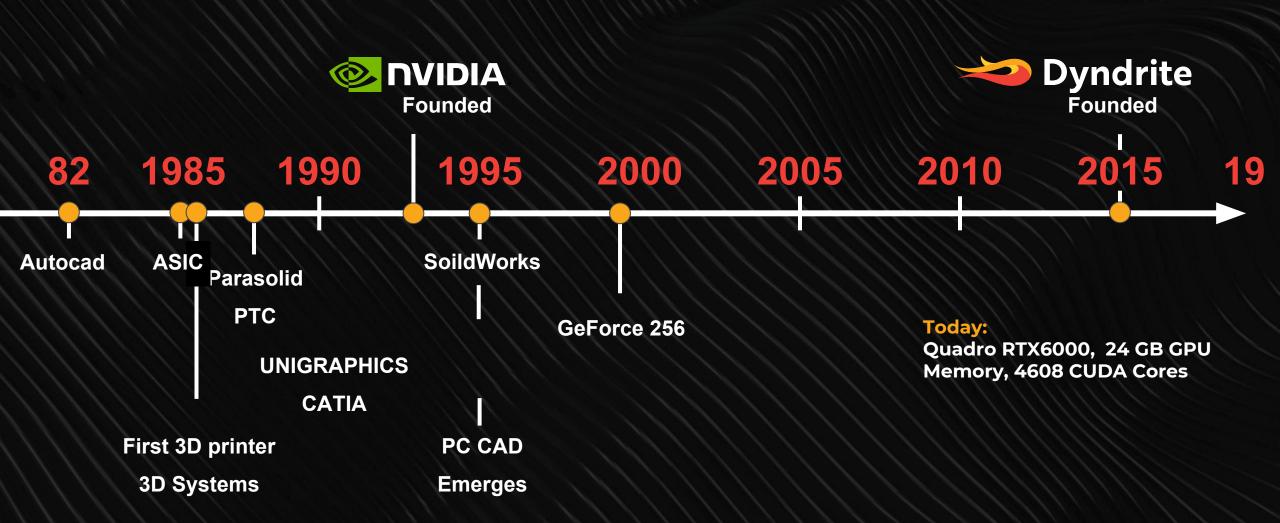


Native GPU Accelerated Geometry - A New Era Begins

When we comes to 3D Computation and Geometry - We're Stuck in the Past.

Quick History CAD/CAM Geometry Kernels



AS A RESULT:

Manufacturing Hardware Has
Outpaced the Software

Modern Design and Production Needs
Not Being Met by Current Solutions

Workflows Mired in Cumbersome App Switching and File Repairing

HOW ARE GPUS PREDOMINANTLY USED IN CAD/CAM?

FROM A COMPUTATION STANDPOINT:

Rendering and animations

FROM A MEMORY STANDPOINT:

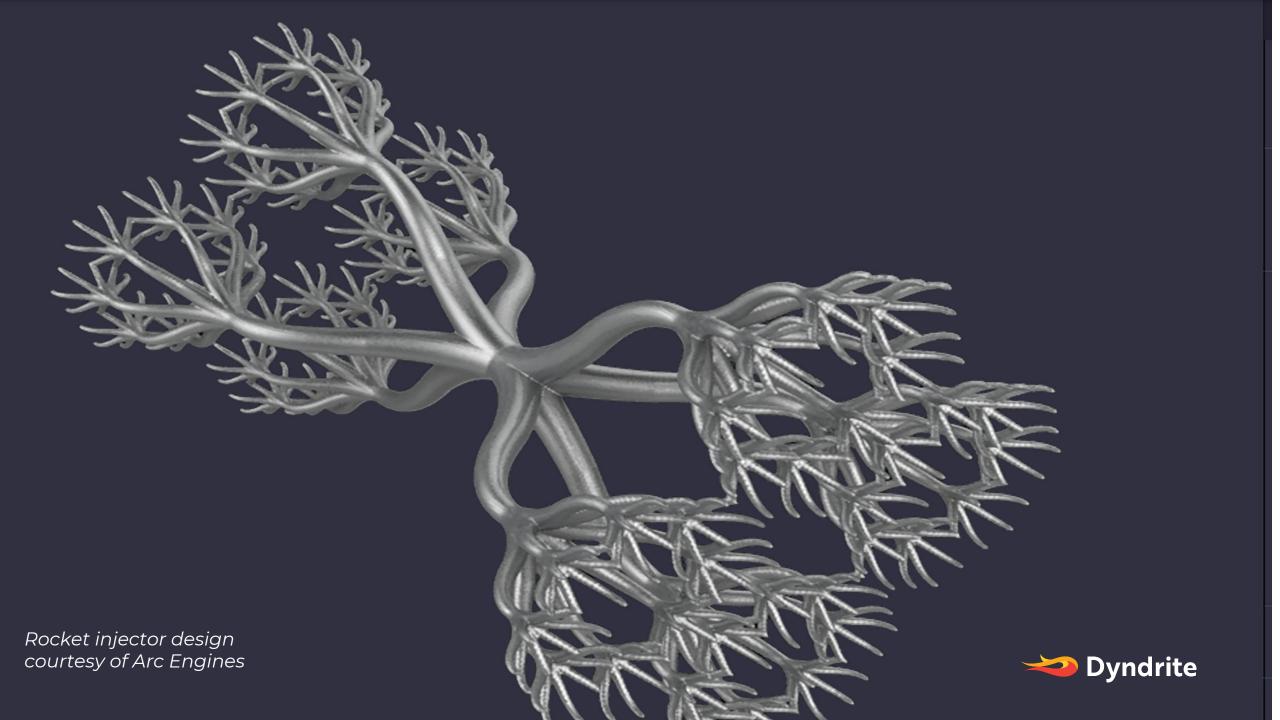
Larger and larger models due to memory increases every year.

MODERN DESIGN TRENDS

- MODERN DESIGN:
 - Getting more and more complex
 - New manufacturing methods
 - Iteration time and trade studies
 - Costs to simulate/prototype
 - Demographic shift of engineers, designers & technicians

MODERN MANUFACTURING TRENDS

- MODERN MANUFACTURING:
 - Additive manufacturing toolpath generation
 - Complex geometry processing
 - Precise control and variance every 50 100 um.
 - On the fly adjustment and control
 - Data explosion and lazy evaluation



Introducing Dyndrite's Accelerated Computation Engine

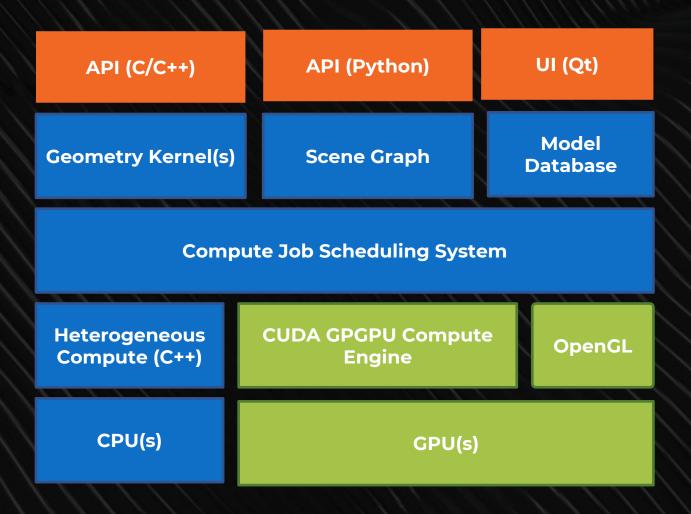
World's First Fully GPU-Native 3D Geometry Kernel

Let's Not Code Like It's 1998



- Geometry Kernel provides surface creation, stitching, and tessellation method
- Ancient API requires experts
- Build a house by first searching for sand and clay

Developer Focused Technology Stack



- Start with the essential tools
 needed to build an application
- Democratize GPU development beyond experts
- Rapid Prototyping Using Python API
- Debug from Python API intoC++ API
- Develop print drivers for OEM machine vendors

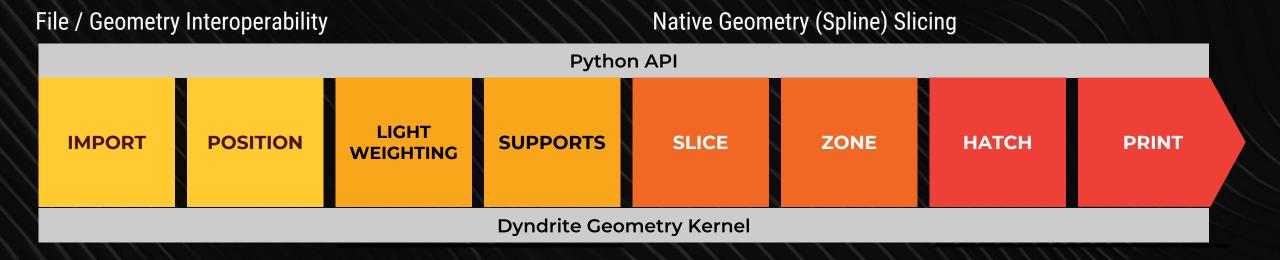
CASE STUDY:

Dyndrite Additive Toolkit + 3D Print Driver

Dyndrite Additive Toolkit

Robust, Powerful, and Scriptable Build Processor - 1st App Built on Dyndrite

Streamlines, Optimizes, & Augments End-to-End Workflow



Customized Tool Path Control

Sophisticated Lattice and Support Geometry



"Dyndrite puts the power of computational geometry in the hands of anyone. We're excited to be one of the first companies exploring the applicability of this new technology"

Ryan Petterson, CEO flexport.



What Will You Build?

Q & A



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