

FISP PD-21 Sampler Development

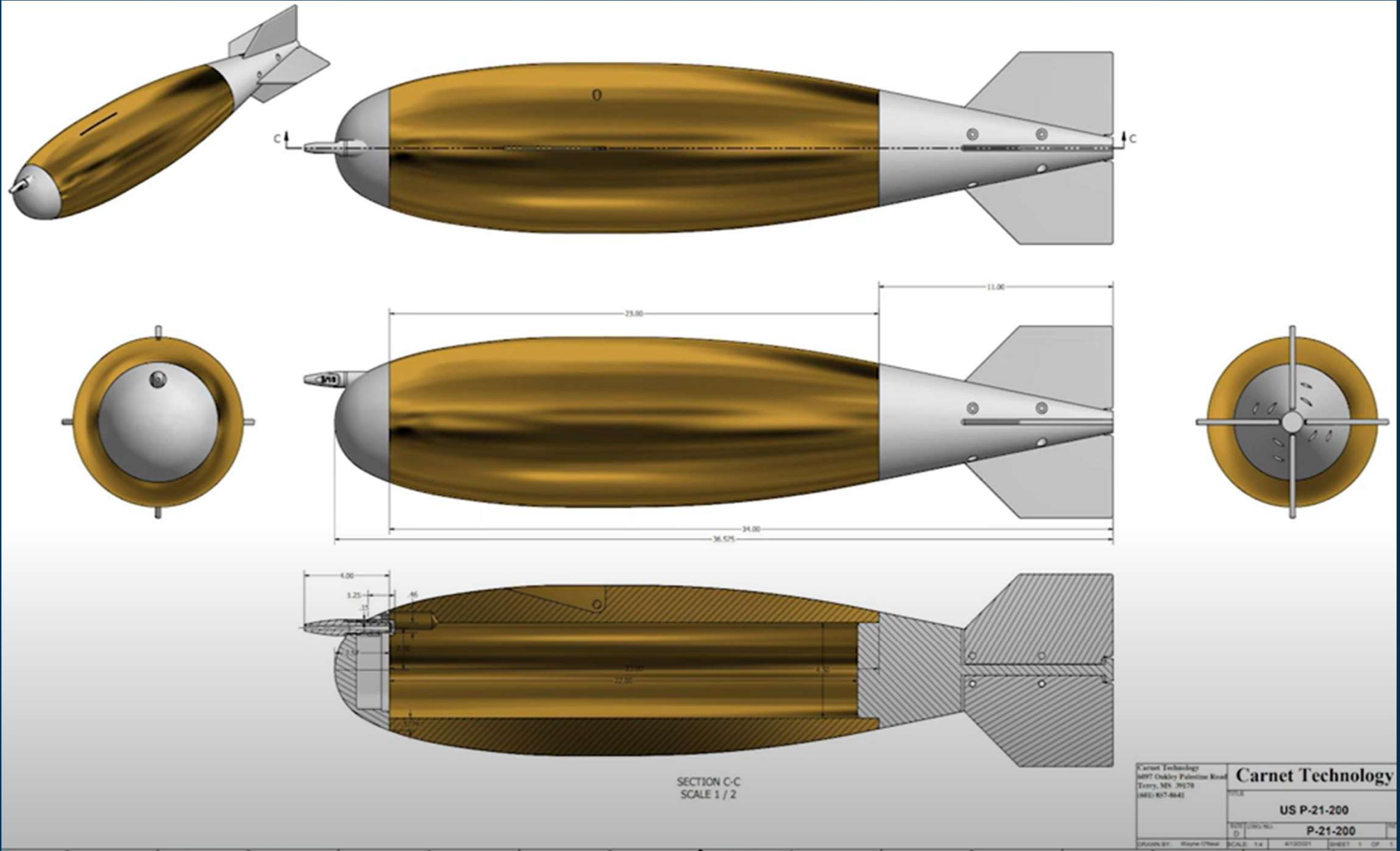
- with Lane Simmons,
- Mike Manning,
- and Carnet Technology



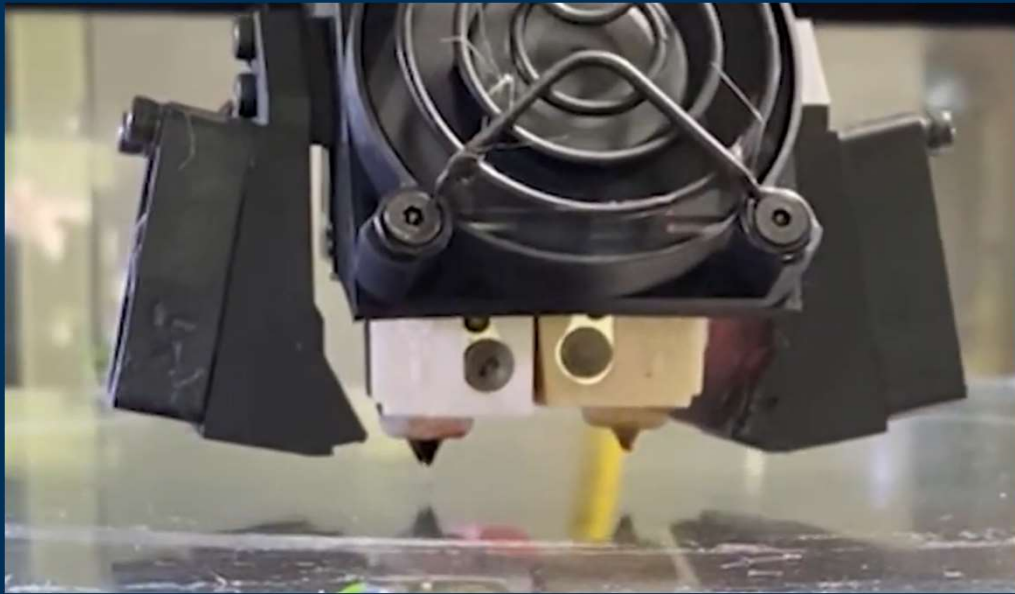
New Physical Sampler Priorities

Ave. Rank	Item Description
1.3	Drawings
3.0	Standard solenoids and plungers (i.e. no milling)
4.0	Multi-sampler (D-99 and P-6 heads)
5.7	Additonal heads for custom physical samples or surrogate inst.
5.7	Bottle container
6.0	Bag container
8.0	Different bag attachment mechanism
8.7	Interchangeable components with P-6 and P-6-200
8.7	Hollow-walled sampler body filled with metal and epoxy for desired weight
8.7	Space for accomadating surrogate electronics
10.3	Mounting points on the body for printed mounts to secure surrogate instruments
11.0	Buoyant head, valve components

New Physical Sampler Plans



3D Printing Technology Being Used



Core Filled with Weights and Epoxy



Surrogate technologies can be attached to sampler



- Final stages of development in 2023
- Performance tests in 2023-24

