

# HALCON

## AL BAYRAQ - HYBRID ROCKET ENGINE

# POWERING THE NEXT FRONTIER



An ongoing development of a hybrid rocket engine that combines the best features of the solid and liquid rocket systems. It is designed to produce a propulsion system that is simpler, safer, controllable and cost effective with the use of 3D printed ABS as a fuel. The engine has the potential to be used for future missions required for guided missiles and sounding rockets.

# S P E C I F I C A T I O N S



## SPECIFICATIONS

<b>Diameter</b>	122 mm
<b>Length</b>	2 m
<b>Average thrust</b>	850 N
<b>Burning time</b>	20 s
<b>Fuel</b>	Acrylonitrile Butadiene Styrene (ABS)
<b>Oxidizer</b>	Nitrous Oxide (N <sub>2</sub> O)

