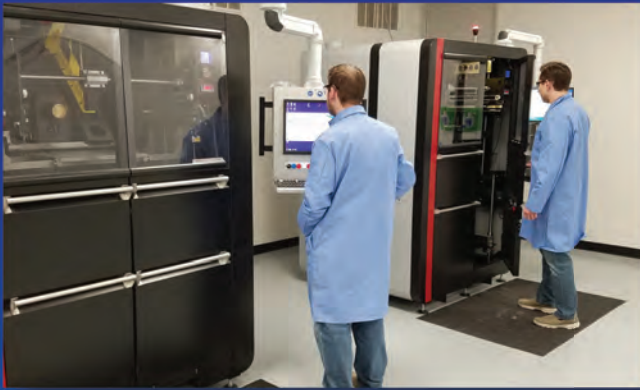




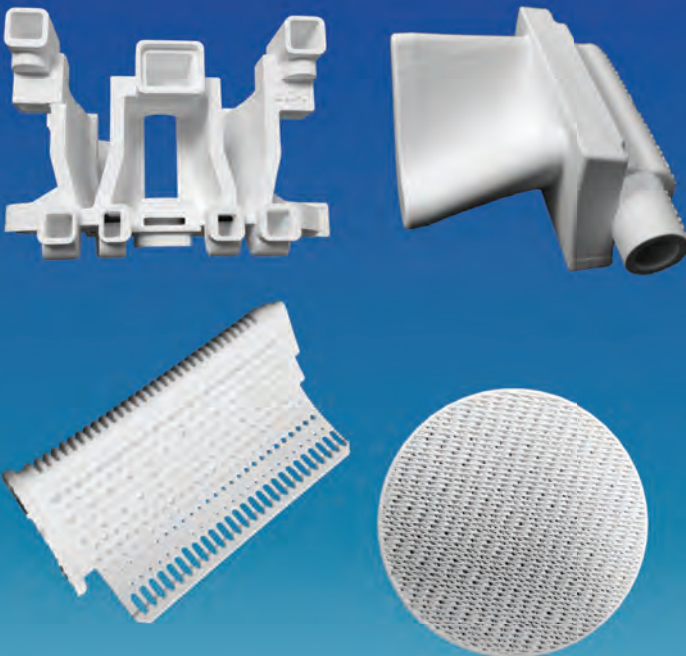
CERAMIC ADDITIVE MANUFACTURING



The **PERFECT-3D** division of Renaissance Services leverages additive manufacturing to create tooling for rapid production of parts. Since 2013, PERFECT-3D has developed materials and processes necessary to successfully 3D-print ceramic tooling for the production of castings. The primary products from 3D printing are ceramic cores, molds, and filters.

With the latest advances in 3D-printing, PERFECT-3D has developed patent-pending techniques to directly 3D-print ceramic molds in support of the DOD sustainment community. This approach can **reduce cost and leadtime for legacy castings by as much as 80%**.

PERFECT-3D uses the latest 3D printing technology to create small and large ceramic components (ranging in size from 1" to 20") with intricate features (as small as 0.020"). The PERFECT-3D operation includes finely controlled firing and sintering of the ceramic components, optimized to meet the customer's specific needs.




RENAISSANCE

SERVICES

PERFECT - 3D DIVISION

RENAISSANCE SERVICES

1 HERALD SQUARE

FAIRBORN, OH 45324

937-322-3227

INFO@REN-SERVICES.COM

WWW.PERFECT3D.COM