



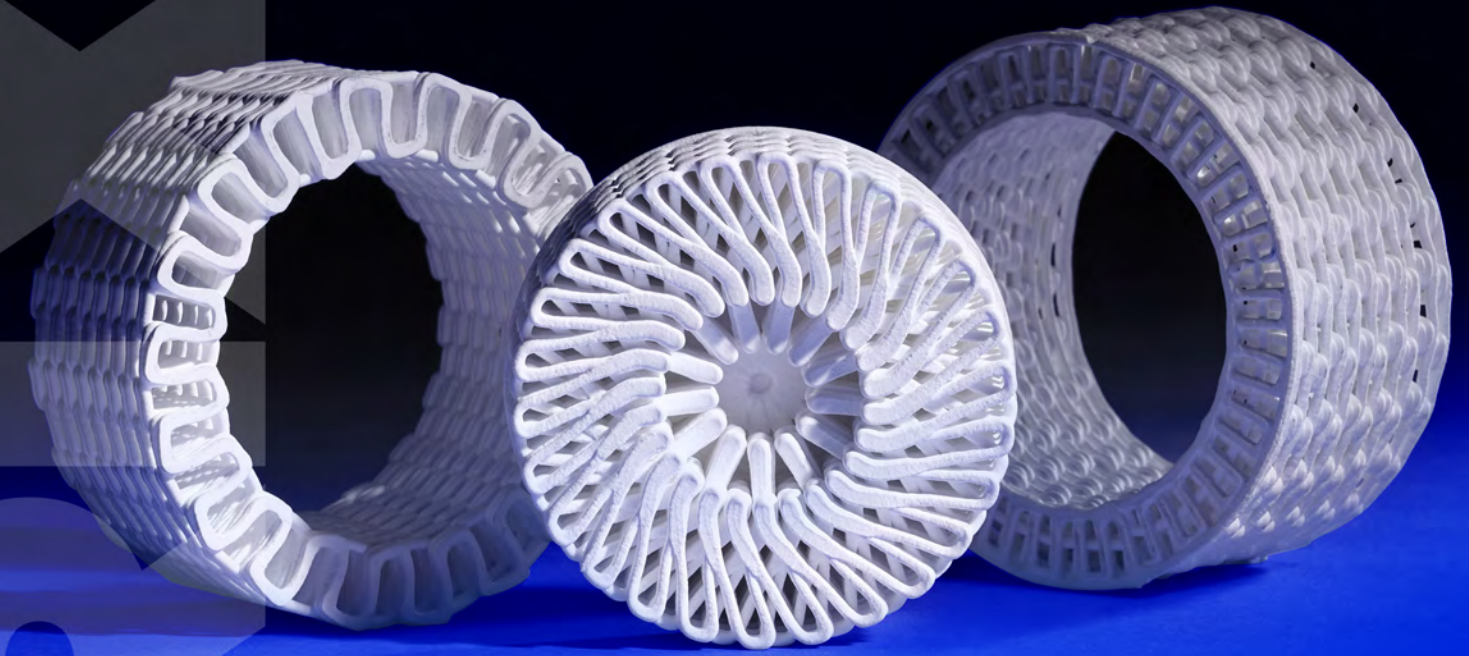
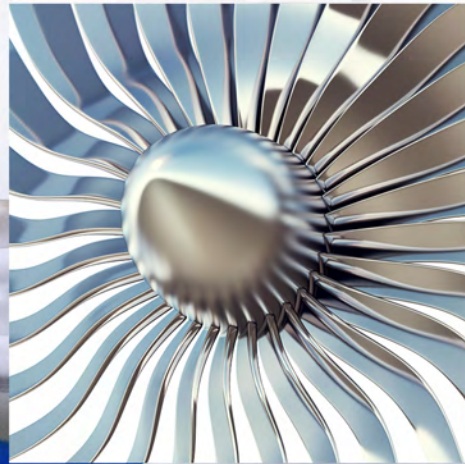
MATRIX[®]

FILTRATION TECHNOLOGY



MATRIX®

MATRIX® is an additive manufacturing process for making engineered structures used in high temperature molten metal filtration.



Advantages of SELEE Matrix Filters®

- Significantly improved structural integrity compared to ceramic foam.
- Elimination of hollow struts in reticulate foam structure.
- Elimination of loose filter fragments in the shell after autoclaving.

Engineered Structures

- More consistent – Reduced flow rate variability
- Flexible filter geometry and cell structure design
- Flexibility to change and control web/ligament thickness
- Variable cell spacing
- Tortuous cell design for effective inclusion removal





Refractory Materials designed for

- Superalloy
- Aluminum
- Iron
- Bronze
- Copper



Wide Range of Geometries

- Square
- Round
- Rectangular
- Cylindrical radial flow
- Tapered (pouring cup filters)



700 Shepherd St. | Hendersonville, NC 28792 USA | +1 (800) 842-3818 | selee.com | sales@selee.com