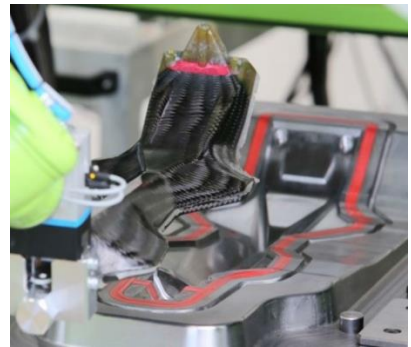




CavusCore Mandrel with HP-RTM Process for Carbon Fibre Licence Plate Holder KTM 1290 Superduke R

- Complex shaped hollow part with significant increased performance and impressive weight reduction of about 65% (765g => 265g)
- Automated high-pressure RTM process (160bar), handling by robots
- Braiding process with CavusCore Mandrel, water-soluble and environmentally friendly
- Entire curing process takes just approx. 125 seconds, total cycle time approx. 180 seconds
- Method of process can be implemented in many other integral manufactured fibre composites hollow parts, like roof constructions, structural components or monocoque geometries



Technical Properties

CavusCore	Glass Beads	Bauxite
Density (g/cm ³)	1.50	2.00
Temperature Resistance (°C)	>300	>300
CTE (10 ⁻⁶ /K)	9.05	7.10
Thermal Conductivity (W/mK)	1.13	0.20
Heat Capacity (J/kg-K)	1329	872
Flexural Strength (N/cm ²) approx.	400	500
Compressive Strength (bar)	200	200

Call or email Aero Consultants AG for assistance with your specific manufacturing requirements with the CavusCore Mandrel material.

Aero Consultants AG
P.O. Box 35
CH-8606 Nänikon/Uster
Switzerland
Email: info@aero-consultants.ch
Internet: www.aero-consultants.ch

Aero Consultants (UK) Ltd.
13/14 Clifton Road
GB-Huntingdon, Cambs PE29 7EJ
United Kingdom
Email: info@aero-consultants.co.uk
Internet: www.aero-consultants.ch