

# R&D Packages: Anti-Vibration, Sound Attenuation and Heat Shield Components



Protecting People, Property and our Planet

At KnitMesh Technologies, we are proud to offer our specialised **R&D Packages**, designed to assist customers in the development, improvement, or transition of products related to NVH (noise, vibration, and harshness), BSR (buzz, squeak, and rattle), and heat shield components. Our comprehensive package provides unparalleled support and resources to help you bring your ideas to life.

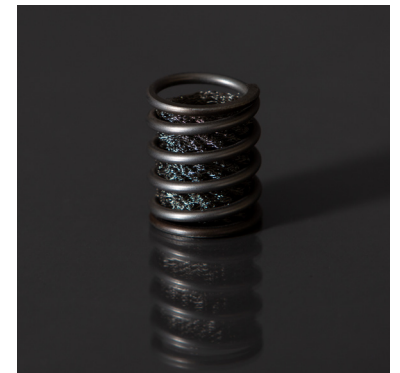
## Services Included:

**Full Support:** Our team of experts will work closely with you throughout the process to ensure your vision is realised.

**Multiple Samples:** We provide a range of samples for testing and evaluation, allowing you to choose the best solution for your needs.

**Detailed Reports:** Receive comprehensive reports and analysis of sample testing to guide your decision-making.

**Tooling Tests:** Access specialised tooling to test the feasibility and performance of your components.



# How it Works:



**R&D Package:** Bring your idea to us, and we will confirm its feasibility, provide samples, conduct tooling tests, and offer ongoing support until you achieve your desired outcome.

Initial Consultation	Viability Study*	Development	Consultancy Meetings (Virtual)	Tooling	Samples (Round 1)	Samples (Round 2)	Finalised Samples	Drawing	Cost	Optional Ad-Ons
Included	X2 (with a comprehensive report)	X6	X3	X1 (cylindric or square shape)	X10 Samples per Density (with a Compression Test report)	X10 off (with a Compression Test report)	X10 off (with a Compression Test report)	X1 off	£5,000 - £6,000	<ul style="list-style-type: none"><li>• Vibration Test</li><li>• Frequency Test</li><li>• Salt spray Test</li><li>• Fatigue Test</li></ul>

\* If the product is not viable, there is a £100 base charge.



**Upgrade to Knitted Mesh:** If you have an existing part you want to transition to KnitMesh Technologies, we will provide samples for testing and potential improvement.

Initial Consultation	Support Development	Consultancy Meetings (Virtual)	Tooling	Samples	Finalised Samples	Cost	Optional Ad-Ons
Included	X3	X2	X1 (cylindric or square shape)	X10 Samples per Density (with a Compression Test report)	X10 off (with a Compression Test report)	£2,300 - £3,000	<ul style="list-style-type: none"><li>• Vibration Test</li><li>• Frequency Test</li><li>• Salt spray Test</li><li>• Fatigue Test</li></ul>



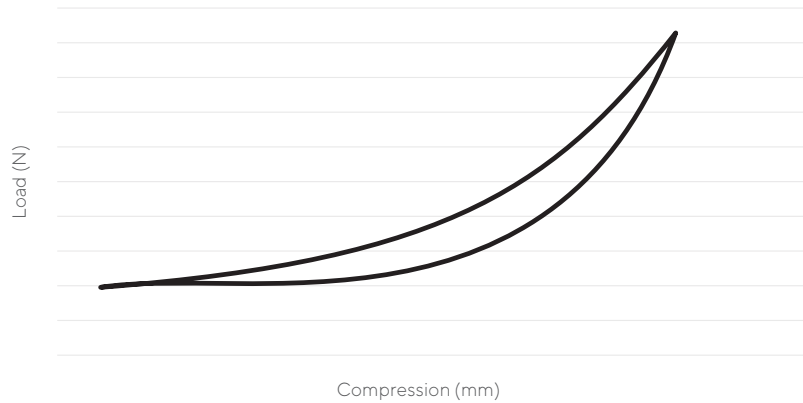
**Changing Supplier:** If you are ready to switch to KnitMesh Technologies, we will produce samples to confirm that we can meet your requirements seamlessly.

Initial Consultation	Consultancy Meetings (Virtual)	Tooling	Samples	Cost	Optional Ad-Ons
Included	X1	X1 (cylindric or square shape)	X10 Samples per Density (with a Compression Test report)	£0 - £1,750	<ul style="list-style-type: none"><li>• Vibration Test</li><li>• Frequency Test</li><li>• Salt spray Test</li><li>• Fatigue Test</li></ul>

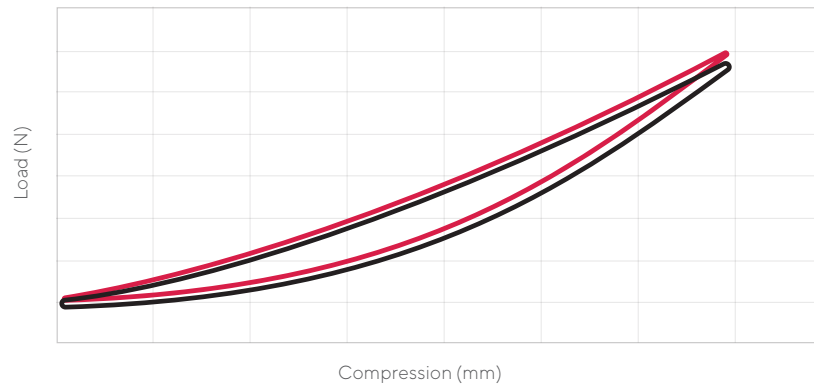
Custom R&D packages are also available.  
For more information, please contact KnitMesh Technologies.

## Knitted Mesh Performance Data:

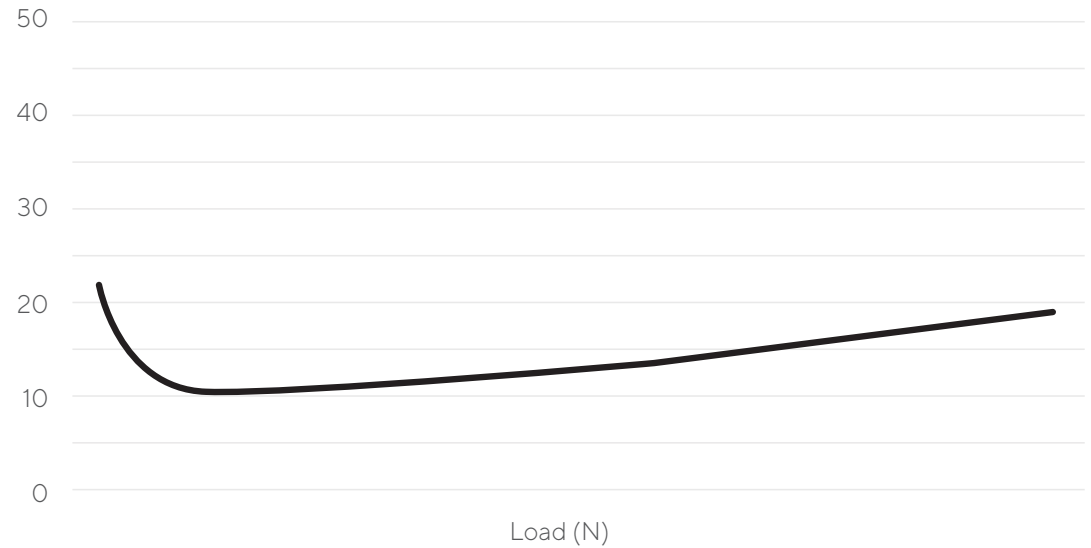
Load vs. Compression



Load vs. Compression - Cyclic Loading and Unloading



Frequency vs. Load



## Partner with KnitMesh Technologies

Join forces with KnitMesh Technologies to revolutionise your product development process. Our R&D Package is tailored to your needs, ensuring a smooth and successful collaboration. Trust us to deliver innovative solutions in anti-vibration, sound attenuation, and heat shield components.

For more information on how KnitMesh Technologies can elevate your product development journey, **contact us today**.



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