

At Fraunhofer IKTS, we bring over a decade of expertise in the development of pure Tungsten Carbide and innovative Tungsten Carbide compositions. Our advanced manufacturing techniques allow us to produce a variety of geometries through conventional as well as sinter based additive manufacturing methods. We are also pioneering research in High-Entropy Carbides and Carbo-nitrides. Both classes of materials promise significant advantages for shielding applications by mitigating issues like W embrittlement and flaking (as known for metallic tungsten), while also providing low activation energy. In addition, IKTS offers cutting-edge characterization services, including high-temperature assessments of mechanical, thermal, electrical, and phase properties (HT-XRD).

* What form of	f collaboration	would you	like to	promote?
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- Offer my organisation has relevant expertise, technologies, or raw materials to offer
- Request we are looking for specific expertise, technologies, or raw materials
- Both of the above

* Please indicate below the collaboration preferences you wish to highlight (you can select more than one)

- Specific expertise and technologies
- Specific materials
- To sub-contract to partners
- ▼ To co-contract with partners
- Sharing general technologies and business presentations
- Other

Expiry Date of the Offer or Request (you must indicate any business opportunity related expiry date, by default postings will expire after six months but can be renewed on request)

31/12/2026		

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Fraunhofer IKTS