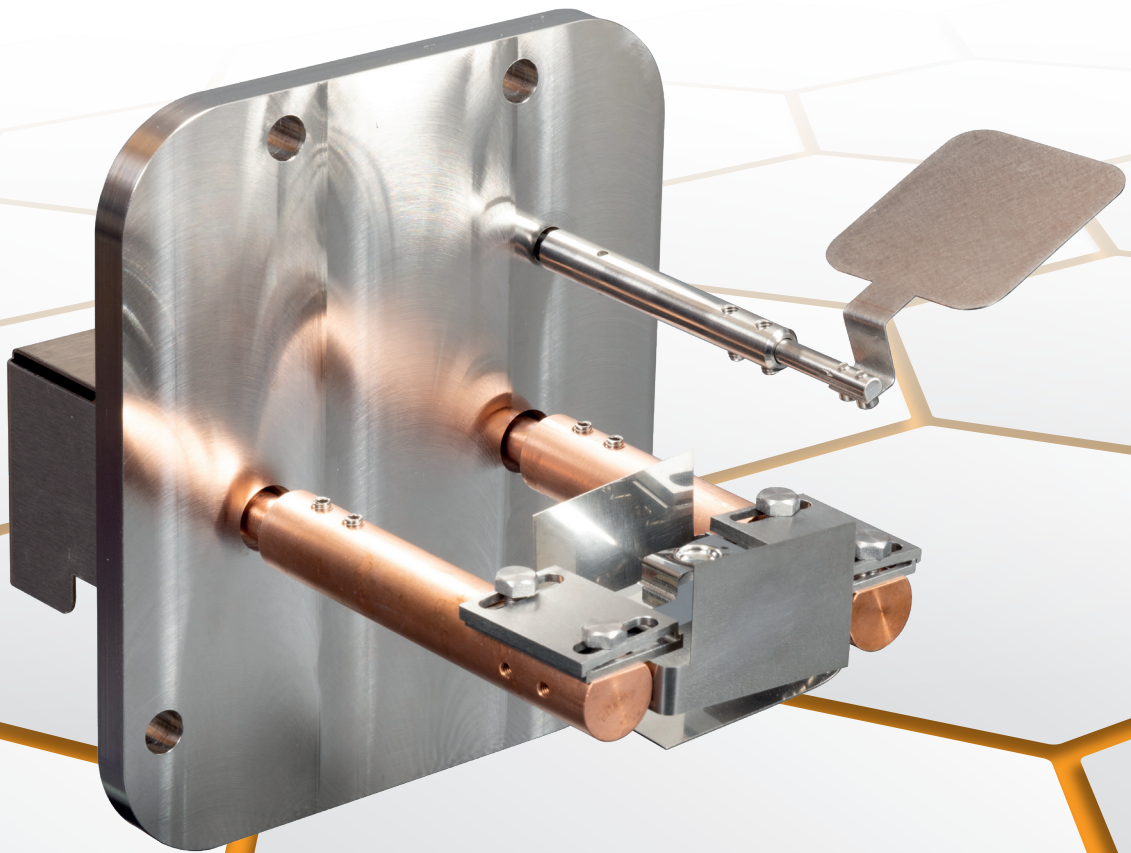


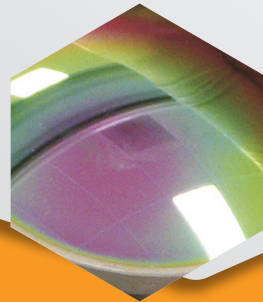


KORVUS TECHNOLOGY

TES THERMAL EVAPORATION SOURCE



Simple Operation
Water Cooled



Contact metallisation
AR coatings

WWW.KORVUSTECH.COM

Unit 1 Kings Grove Industrial Estate | Maidenhead | Berkshire | SL6 4DP | UK
T: +44 1628 201329 E: info@korvustech.com

TES

Thermal evaporation sources are used for basic thin film deposition processes. The evaporant material is placed in a conductive boat and is heated by passing a high electrical current through it. As the temperature of the boat rises, the material in the boat begins to evaporate. The temperature, and hence the evaporation rate of the material, is controlled by the amount of current applied.

Advantageously thermal evaporation requires no process gas so the process can be performed under very high vacuum conditions resulting in very few impurities being incorporated into the deposited films.

The evaporant material can be replenished through quick removal of the source or via the top of the chamber through a reloading tube. Material can be in the form of pellets, powder or coated coils/filaments. Boats and filaments can also be easily and efficiently replaced.

Each source can be equipped with a manual or automatic shutter. Up to three sources can be accommodated in the HEX chamber and up to six in the HEX-L. The sources can also be used in conjunction with other techniques such as Sputtering, e-beam deposition and low-temperature sources.

Boat Volume	1cc to 5cc
Temperature Range	50-2200°C (material dependent)
Power Supply	DC, 600W. 1.2kW optional

