

## Selecting SCI End Blocks vs. Bekaert

### Reliability

√ SCI Bekaert

The SCI single-ended design reduces the number of rotary and static seals, one of the most common failure modes in rotary cathodes. Unlike the Bekaert end block, SCI's main insulator is not exposed to coating so it is not likely to ever short circuit. Further, the SCI design eliminates the possibility of galvanic corrosion inside the end block, which could lead to water leaks and short circuits. SCI's revolutionary electrical contact method eliminates the brush dust normally found in the end block, which can cause seal wear or short circuits.

### Purchase Cost

√ SCI Bekaert

SCI end blocks simply cost less. Our location and low overhead allow us to produce and sell for far less than Bekaert.

### Cost of Ownership

√ SCI Bekaert

SCI end blocks have high reliability and a simple, easy-to-maintain design. This means you need fewer spare end blocks. When your end blocks do need maintenance, it can be performed quickly on your lid and with low cost parts – no sending end blocks back to the manufacturer.

### Highest Power Rating

√ SCI Bekaert

If you need to run long targets at high power, then SCI is the obvious choice. We have the highest power rating available.

### Fast and Easy Target Change

√ SCI Bekaert

SCI provides a simple design to allow for very fast target changes - under 10 minutes. Additionally, SCI has a unique target water drain feature, which allows full draining of target water on blow down. This means your cooling water stays in your cooling system and not all over your lid, floor, or in your chamber. A dry chamber improves pump down time and a dry lid and floor improves clean-up time and resolves safety issues.

### Better Magnetics

√ SCI Bekaert

Our fully encapsulated magnet system provide better uniformity and material utilization. Our narrow deposition profile provides higher rates and deposits less coating on the chamber walls – reducing debris and increasing uptime. SCI magnet arrays are versatile. Quickly adjusted for uniformity and can be used for sputter up or sputter down. They are interchangeable with BKRT magnet bars and come with long-life roller sets.

If you need further information about the benefits of SCI rotary cathodes, please contact us at [sales@sputteringcomponents.com](mailto:sales@sputteringcomponents.com)