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Country Japan

## PRODUCTS OR MACHINERY

Bekaert offers combined expertise in rotatable magnetron technology and rotatable sputter targets for high quality large area coatings. **Unique benefits**

- Largest supplier of one-stop custom-made rotatable magnetron solutions
- Proven experience and application know-how in rotatable magnetron technology and thermal sprayed sputter target materials
- Customer oriented sales teams supported by state-of-the art R&D and engineering

### Application fields

- Architectural / automotive glass: easy and self cleaning coatings, low-E and solar control films, smart coatings, anti-reflective coatings, ...
- Display glass: electrically conductive coatings
- Photovoltaic glass

**Rotatable magnetrons** Bekaert's rotatable magnetrons include all components needed for the coating process (end blocks, magnet bars, anodes, PLC control, electronics, sputter targets etc.) and can be integrated into existing or new glass coating equipment. For mid-sized applications (such as display or web coating and vertical coaters), the cantilevered magnetron is an ideal alternative. Functions are supplied from a single feed-through, providing great flexibility in the mounting of the magnetron. **Advantages of rotatable magnetron technology are:**

- Larger material inventory and higher utilization degree
- Improved target cooling
- Improved behavior in reactive processes

**Thermal sprayed rotatable sputter targets** Bekaert offers a wide range of sputter target materials (new materials are Chrome, Molybdenum, Pure Silicon, High-Density Tin). Bekaert applies thermal spraying as preferred technology to produce sputter target materials for the following reasons:

- Nearly all materials can be sprayed
- Doped materials can be produced in stoichiometric and non-stoichiometric concentrations without phase diagram constraints
- Great flexibility (variable micro structure & properties, long-life dog bone shaped targets can be sprayed, standard & non-standard lengths / designs can be sprayed)

### Products:

- Rotatable magnetron solutions
- Rotatable sputter targets
- Sputter electronics (including power supplies, arc suppressors, electronic switchers, MF Inverters, etc.)
- Sputter mechanics (end blocks & magnet bars)
- Cantilevered magnetrons

### Company Profile of **Bekaert Japan Co Ltd**

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