



Schunk Carbon Technology

Multi-layer materials from
Schunk offer many options

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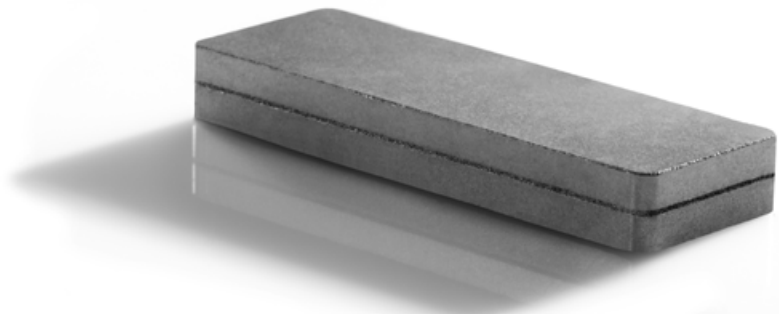
Carbon brushes made of multi-layer materials are directly pressed together and then thermally treated. The production process of multi-layer materials facilitates the bonding of materials with different properties into a carbon brush.

This process results in a variety of technical options, for example:

- ▭ copper content layers act similar to metallic surfaces to increase efficiency or reduce temperatures
- ▭ layers to reduce radio interference emissions (electrically conductive layer; commutation layer)
- ▭ layers to influence the coefficient of friction (solid lubrication); reduction of noise emissions
- ▭ layers that isolate areas electrically from each other (multi-layered carbon brushes / "Sandwich Brushes")
- ▭ layers to influence the run-in behavior of carbon brushes on the commutator
- ▭ layers to connect with other components (soldering, welding, ...)



Epoxy resin-bonded graphite with copper layers (0.2 mm thickness; on the top and bottom)



Two carbon-graphite layers with an insulating layer in the middle

Did we pique your interest?

We would be happy to support you with further information!

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