



Spinner Turbines from Rototec-Spintec

Rototec-Spintec has been in the business of spinner turbine development and manufacture for more than 20 years and offers a cost effective, high quality option to spectrometer manufacturers originals. All the turbines are weight compatible and susceptibility matched to the originals. This means they can be used together with originals, for example, in an auto-sampler.

Rototec-Spintec has made a number of innovations, including exchangeable tube gripper fingers to accept different diameter sample tubes and introduced durable PEEK material for variable temperature versions. PEEK versions, for variable temperature applications, are the same weight as the room temperature versions, obviating the need to adjust eject air when changing from one type to the other. If there is a requirement to match the weight, for example to the Bruker ceramic type, so that they can be mixed, then a simple, interchangeable insert is available to effect this.

Details and descriptions of all the products are shown in the following tables.

Spinner turbines for Bruker spectrometers

STB-5	5mm spinner turbine for Bruker systems, RT (-20°C to 60°C)
STB-10	10mm spinner turbine for Bruker systems, RT (-20°C to 60°C)
B-PEEK-5	5mm, spinner turbine for Bruker systems, VT (-150°C to 250°C)
B-PEEK-10	10mm spinner turbine for Bruker systems, VT (-150°C to 250°C)
B-PEEK-5 (3)-NS	5mm or 3mm spinner turbine for Bruker system as with exchangeable fingers VT (-150°C to 250°C)
UNI-FINGER- 3 (5)	5mm or 3mm fingers for B-PEEK-5 (3)-NS
UNI-MASS-5 (10)	Insert for all spinner turbines to match weight to Bruker ceramic VT spinner turbines

Spinner turbines for Varian spectrometers

STV-5	5mm spinner turbine for Varian systems, RT (-20°C to 60°C)
V-GFK-10	10mm spinner turbine for Varian systems, VT (-150°C to 250°C)
V-PEEK-5	5mm spinner turbine for Varian systems, VT (-150°C to 250°C)
V-PEEK-5 (3)-NS	5mm or 3mm spinner turbine for Varian system as with exchangeable fingers VT (-150°C to 250°C)
UNI-FINGER- 3 (5)	5mm or 3mm fingers for V-PEEK-5 (3)-NS
UNI-MASS-5 (10)	Insert for all spinner turbines to match weight to manufacturers original spinner turbines

Spinner turbines for Jeol spectrometers (available soon)

STJ-5	5mm spinner turbine for Jeol systems, RT (-20°C to 60°C)
STJ-10	10mm spinner turbine for Jeol systems, RT (-20°C to 60°C)
ST-PEEK-5	5mm spinner turbine for Jeol systems, VT (-150°C to 250°C)
ST-PEEK-10	10mm spinner turbine for Jeol systems



Spinner turbines - micro sampling inserts

A range of special inserts are available to fit into 10mm spinner turbines, allowing smaller diameter sample tubes and micro-sample capillaries to be utilised.

The lower portion of each insert fits precisely into the 10 mm Spinner Turbine. The upper portion of each insert holds a short 10 mm NMR tube that extends beyond the spinner turbine top. This tube allows the set-up to be used with auto-samplers that grasp the tube above the spinner turbine. To reduce solvent evaporation, capillary tube caps are available.

