

# SkyScan micro-CT support products

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**[www.microphotonics.com](http://www.microphotonics.com)**

## 1. Sample holders, *ex vivo* scanners (1172, 1173, 1174, 1272, 1273, 1275 and 2214)


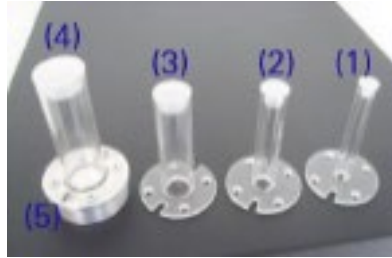
# SkyScan micro-CT support products

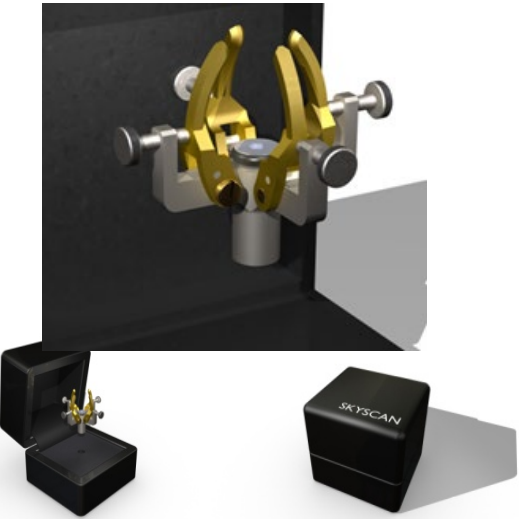
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## Introduction

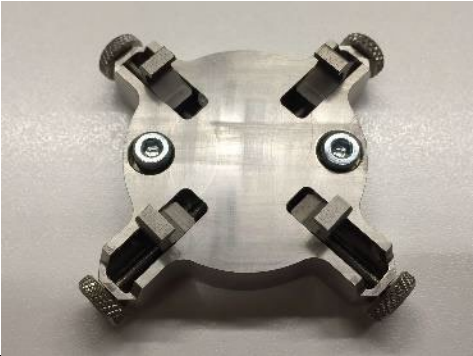

Micro Photonics supplies a range of *support products* to assist you with your SkyScan micro-CT scanner from Bruker MicroCT. This list does not however include the special stages with embedded microprocessor controllers (material testing stage, cooling stage, heating stage and the micro-positioning stage).

These products will significantly assist you in the mounting of samples for scanning. You should be aware that stable and symmetrical mounting of samples for scanning will enhance the quality and repeatability of scans and analysis results. Other products in this catalog include alignment pins, calibration phantoms for bone mineral density (BMD), and aluminum thickness measurement phantom.

Special object holders				
Item #	Item	Description	Image	Price USD
1821550	Tube Holder Set	Set of plastic tube sample holders, various diameters, supported by a metal base. Tubes are 8 cm high, with internal diameters of (approx.) 6, 10, 15, 20 mm. Includes: metal base, 2 large screws (base to scanner), 4 small screws (tube to base), 4 plastic tubes, 4 plastic lids, Allen key (for set-screws), Phillips screw driver.		1,500
	Extra tubes for Tube Holder Set	Tubes are 8 cm high, with internal diameters of (approx.) 6, 10, 15, 20 mm. Tubes are provided with plastic lids. Tubes plus lids are supplied in batches of 5.		
1821551	Tube set (x5), 6mm	Set of 5 tubes 6mm inner diameter, with lids	See above tube (1)	940
1821552	Tube set (x5), 10mm	Set of 5 tubes 10mm inner diameter, with lids	See above tube (2)	940
1821553	Tube set (x5), 15mm	Set of 5 tubes 15mm inner diameter, with lids	See above tube (3)	940
1821554	Tube set (x5), 20mm	Set of 5 tubes 20mm inner diameter, with lids	See above tube (4)	940

Item #	Item	Description	Image	Price USD
1821559	"Spider" object mount	<p>Mount with screw-adjustable fingers to hold objects of variable geometry.</p> <p>Each "finger" is screw-adjusted to obtain a grip on any object including objects with irregular and asymmetric geometry.</p>		940

Item #	Item	Description	Image	Price USD
1833891	Holder for multiple Eppendorf tubes: small	<p>A plastic tube holder for 3 tubes, 25 ul with safe-lock lid</p> <p>This tube assembly fits onto the base of the tube holder set item 1001.</p> <p>Set of 5 tubes</p>		750
1833893	Holder for multiple Eppendorf tubes: medium	<p>A plastic tube holder for 2 tubes, 0.5ml with safe-lock lid</p> <p>This tube assembly fits onto the base of the tube holder set item 1001.</p> <p>Set of 5 tubes</p>		750
1833894	Holder for multiple Eppendorf tubes: large	<p>A plastic tube holder for 2 tubes, 2 ml with safe-lock lid</p> <p>This tube assembly fits onto the base of the tube holder set item 1001.</p> <p>Set of 5 tubes</p>		750

Item #	Item	Description	Image	Price USD
1846657	Large object mount	Large object mount for SkyScan 1272, 1275, 1173		1,500
<b>Tubes to use on metal base</b>				
	Long sample tubes for SkyScan 1275, 1173	Tubes to use on the metal base as in the tube set SP1001, but with extended length of 12cm for use with the SkyScan1275, and 1173.		
1853254	Tube	Tube for 5.5 micron resolution for 1173, 1275 (Height 8.5cm, inner dia. 5mm, wall thickness 1mm)		310

Item #	Item	Description	Image	Price USD
1853255	Tube	Tube for 7 micron resolution for 1173, 1275 (Height 12cm ,inner dia. 6mm, wall thickness 1.5mm)		380
1853256	Tube	Tube for 7 micron resolution for 1173, 1275 (Height 12cm ,inner dia. 10mm, wall thickness 1.5mm)		430
1853253	Tube	Tube for 7 micron resolution for 1173, 1275 (Height 12cm ,inner dia. 15mm, wall thickness 1.5mm)		530
1853252	Tube	Tube for 7 micron resolution for 1173, 1275 (Height 12cm ,inner dia. 20mm, wall thickness 1.5mm)		660







Item #	Item	Description	Image	Price USD
1821567	Brass tray	Base with 20mm diameter	(5, above image)	140
<b>Support Products for SkyScan 2214</b>				
		Oil-free air compressor		1,500
		Additional pre-aligned cathode assemblies with W-filaments, pack of 5		2,300
		Additional pre-aligned cathode assembly with LaB6-filament, per pc		5,100
		Additional target assembly with Tungsten target on Diamond window		10,400

## 2. Sample mounting accessories

### Polystyrene foam animal and sample tubes

Item #	Item	Description	Image	Price USD
SP-3111-3114	Polystyrene half-tubes Sets for different scanners * Note: has to be ordered one package	<p>Expanded polystyrene tubes for (a) supporting either mice and small rats during <i>in vivo</i> scans; (b) positioning low density objects for scanning in <i>ex vivo</i> scanners; (c) Providing thermal insulation to samples such as ice or snow during scanning, or to increase temperature stability of samples. The tubes are either open half tubes (210 degree arc of circle) for supporting animals <i>in vivo</i>, or full closed tubes.</p> <p>All tubes including "closed" tubes have a narrow slit along one side due to the hot wire cutting manufacture process.</p> <p>Four scanner-specific sets of expanded polystyrene tubes are provided, with their tube inventories described below.</p>	 	



SP-3113 SkyScan 1172 / 1174 / 1272 scanners:  
Expanded polystyrene tube set

Type of tube	Outer diameter	Inner diameter	Wall thickness	Length	Q-ty
Closed tube	14mm	4mm	5mm	80mm	20
Closed tube	16mm	6mm	5mm	80mm	20
Closed tube	18mm	8mm	5mm	80mm	20
Closed tube	20mm	10mm	5mm	80mm	20
Closed tube	30mm	14mm	8mm	100mm	15
Closed tube	30mm	18mm	6mm	100mm	15


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SP-3114 SkyScan 1173 scanner:  
Expanded polystyrene tube set




Type of tube	Outer diameter	Inner diameter	Wall thickness	Length	Q-ty
Closed tube	30mm	14mm	8mm	100mm	20
Closed tube	30mm	18mm	6mm	100mm	20
Closed tube	61mm	30mm	15.5mm	150mm	5
Closed tube	72mm	30mm	21mm	150mm	5
Closed tube	72mm	40mm	16mm	150mm	5
Closed tube	72mm	50mm	11mm	150mm	5

260

**Polystyrene foam animal and sample tubes**

Item #	Item	Description	Image	Price USD																																										
SP-3301	Poly-propylene foam tubes	Polypropylene foam tubes are spongy and compressible and are a useful supplement/ alternative to polystyrene tubes The contents of the polypropylene foam tube set is shown in the table below																																												
SP-3301	Polyethylene foam tubes	<table border="1"> <thead> <tr> <th>Type of tube</th> <th>Outer diameter</th> <th>Inner diameter</th> <th>Wall thickness</th> <th>Length</th> <th>Q-ty</th> </tr> </thead> <tbody> <tr> <td>Closed tube</td> <td>30mm</td> <td>6mm</td> <td>12mm</td> <td>100mm</td> <td>10</td> </tr> <tr> <td>Closed tube</td> <td>30mm</td> <td>10mm</td> <td>10mm</td> <td>100mm</td> <td>10</td> </tr> <tr> <td>Closed tube</td> <td>30mm</td> <td>14mm</td> <td>8mm</td> <td>100mm</td> <td>10</td> </tr> <tr> <td>Closed tube</td> <td>30mm</td> <td>18mm</td> <td>6mm</td> <td>100mm</td> <td>10</td> </tr> <tr> <td>Open tube</td> <td>61mm</td> <td>30mm</td> <td>15.5mm</td> <td>200mm</td> <td>10</td> </tr> <tr> <td>Open tube</td> <td>61mm</td> <td>40mm</td> <td>10.5mm</td> <td>200mm</td> <td>10</td> </tr> </tbody> </table>	Type of tube	Outer diameter	Inner diameter	Wall thickness	Length	Q-ty	Closed tube	30mm	6mm	12mm	100mm	10	Closed tube	30mm	10mm	10mm	100mm	10	Closed tube	30mm	14mm	8mm	100mm	10	Closed tube	30mm	18mm	6mm	100mm	10	Open tube	61mm	30mm	15.5mm	200mm	10	Open tube	61mm	40mm	10.5mm	200mm	10		260
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### 3. Calibration phantoms

Item #	Item	Description	Image	Price USD
SP-4002	Small 2-4mm BMD phantom set.	2mm-4mm diameter set (small). 2mm BMD rods are suitable for very small bones such as mouse bones; 4mm rods are applicable to rat bones. The rod pair has concentrations of 0.25 and 0.75 g/cm <sup>3</sup> CaHA. Also includes embedded foil thickness phantom (SP-0058)		790
SP-4003	Medium 8-16mm BMD phantom set.	8mm-16mm diameter set (medium). The rod pair has concentrations of 0.25 and 0.75 g/cm <sup>3</sup> CaHA. Suitable for larger bones such as rabbit, sheep, human. Also includes embedded foil thickness phantom (SP-0058)		1,400
SP-4004	Large 32mm BMD phantom set.	32 mm diameter set of BMD phantoms (large). The rod pair has concentrations of 0.25 and 0.75 g/cm <sup>3</sup> CaHA. Suitable for large bones such as human or large animal vertebrae. Also includes embedded foil thickness phantom (SP-0058)		1,590

Contact details for direct ordering from Micro Photonics

Micro Photonics

1550 Pond Rd.

Suite 110

Allentown PA 18104

Tel: 610-366-7103

Fax: 610-366-7105

Email: [sumita@microphotonics.com](mailto:sumita@microphotonics.com)

## Terms and sales conditions

Shipping FOB Destination

Sales Tax will be charged for orders in Pennsylvania and California

Net 10 on Order

## Contact details for direct ordering from third parties

### \*Kerr contact details for ordering “orthodontic tray wax”

Go to the international web site and choose your geographic region to find your local Kerr office and retailer:

<http://www.kerrdental.eu/contact/>

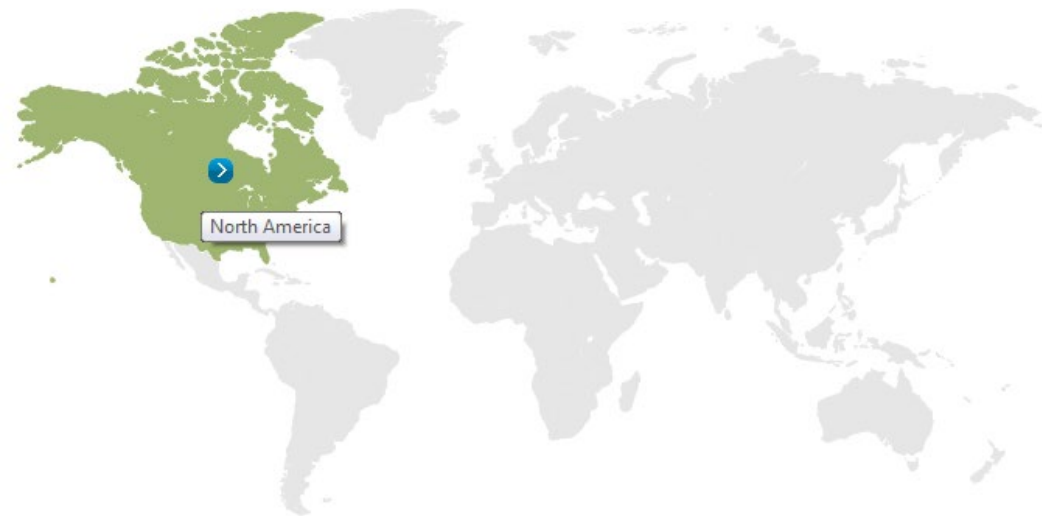
In Belgium the contact for Kerr is:

Kerr Corporation  
Leeuwerikstraat 29  
9840 De Pinte

Tel: 0032 9 371 87 86

fax: 0032 9 371 91 42

<http://www.kerrdental.eu/contact/western-europe/benelux.aspx>





**\*\*CIRS contact details for ordering tissue phantoms 090 and 091:**

CIRS Computerised Imaging Reference Systems Inc.

2428 Alameda Ave. Suite 316

Norfolk, Virginia 23513 USA |

USA Toll Free: 800-617-1177

International: +1 757-855-2765

FAX: +1 757-857-0523

Email: [admin@cirsinc.com](mailto:admin@cirsinc.com)

Web site: [http://www.cirsinc.com/main\\_inf.html](http://www.cirsinc.com/main_inf.html)

For emails please remove “&” and add @.