Racetrack Microtronon Systems AB

Magnus Rosén

Scanditronix cyclotrons - Spare parts, drawings and other support.
<table>
<thead>
<tr>
<th>System</th>
<th>No of installations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synchrotron</td>
<td>3</td>
</tr>
<tr>
<td>Spectrometer</td>
<td>38</td>
</tr>
<tr>
<td>Cyclotron</td>
<td>37</td>
</tr>
<tr>
<td>Microtron</td>
<td>35</td>
</tr>
<tr>
<td>PET-Camera</td>
<td>9</td>
</tr>
<tr>
<td>Gamma knife</td>
<td>2</td>
</tr>
<tr>
<td>Electron beam irradiator</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total:</strong></td>
<td><strong>127</strong></td>
</tr>
</tbody>
</table>

**Scanditronix**

**Historic product range**

Additional to this list there has been more than 1000 dosimetry system installations.
MC17 cyclotrons

- **Type:** Customer: Location:
- 
  - MC17 Karolinska sjukhuset  Stockholm, Sweden
  - MC17 Johns Hopkins Hospital  Baltimore, USA
  - MC17 University Hospitals of Cleveland  Cleveland, USA
  - MC17 Max-Planck-Institut für Neurologische Forschung  Köln, Germany
  - MC17 North Shore University Hospital  New York, NY, USA
  - MC17 Clarke Institute of Psychiatry  Toronto, Canada
  - MC17 Academisch Ziekenhuis Groningen  Groningen, The Netherlands
  - MC17 University of Iowa Hospitals and Clinics  Iowa City, IA, USA
  - MC17 University of California at Irvine  Irvine, CA, USA
  - MC17 Institute of the Human Brain  St. Petersburg, Russia
  - MC17 Massachusetts General Hospital  Boston, MA, USA
  - MC17 Veterans General Hospital  Taipei, Taiwan
  - MC17 The University of Texas Health Science Center  San Antonio, TX, USA
  - MC17 Uppsala University  Uppsala, Sweden
  - MC17 Istituto Nazionale per lo Studio e la Cura dei Tumori  Milano, Italy
MC20-30-32-35-40-50-60 etc.

- MC20  University of Jyväskylä  Jyväskylä, Finland
- MC30  DuPont Merck Pharmaceutical Co.  North Bellerica, USA
- MC32  Deutsches Krebsforschungszentrum  Heidelberg, Germany
- MC32  Rigshospitalet  Kobenhavn, Denmark
- MC35  Medizinische Hochschule Hannover  Hannover, Germany
- MC35  University of Oslo  Oslo, Norway
- MC35  The University of Texas  Houston, TX, USA
- MC40  Medi-Physics, Inc.  Arlington Heights, USA
- MC40  Institute for Advanced Materials  Ispra, Italy
- MC40  CNR, Instituto di Chimica Nucleare  Roma, Italy, not installed yet.
- MC40  Mallinckrodt Medical Inc.  Maryland Heights, USA
- MC40  Daiichi Radioisotope Labs., Ltd.  Chiba, Japan
- MC40  Veterans Administrations Medical Center  Minneapolis, MN, USA
- MC40-II Clinical Sciences Center RPMS Hammersmith Hosp.  London, England
- MC40-II Amersham International plc  Amersham, England
- MC50  University of Washington  Seattle, WA, USA
- MC50  Korea Cancer Center Hospital  Seoul, Korea
- MC60  Clatterbridge Hospital  Bebington, England
- SPC120 Hahn-Meitner-Institut für Kernforschung GmbH  Berlin, Germany
- K130  University of Jyväskylä  Jyväskylä, Finland
GE acquisition

• Cyclotron division of Scanditronix sold to GE Medical Systems in 1991.
• Systems based on vertical, mid-plane cyclotron design. Still manufactured here in Uppsala.
IBA acquisition

• Scanditronix Medical sold to IBA group in 1998.

• Support for the Scanditronix cyclotrons transferred to IBA. Ended in 2017.
Other companies related to Scanditronix

- Scanditronix Magnet
- ScandiNova
- ScandiDos
- Top Grade Sweden
- **Racetrack Microtron Systems**
Scanditronix Magnet

Magnets and coils for particle accelerators for medical, research and industrial applications.
ScandiNova

Pulsed Power Systems with high power levels based on solid-state technology. The product range covers pulse modulators, pulse generators, turn key radio frequency (RF) systems and e-gun modulators.
ScandiDos

QA and Dosimetry for modern Radiation Therapy, providing unique measurement systems and software.
Top Grade Sweden

Linked to Top Grade Healthcare Ltd based in China. In Sweden we assemble some of the subsystems for the Radiotherapy system based on Scanditronix MM50 microtron accelerator.
Racetrack Microtron Systems

Service, spare parts and support mainly for Scanditronix microtrons, but also to some extent for Scanditronix cyclotrons.
Interior from the site of Racetrack Microtron Systems.
Original drawings from Scanditronix
Documents in binders.
Generic as well as project specific.
Spare parts examples, for MC17 deflector
Stuck with some problem with your Scanditronix cyclotron? Please feel free to contact us, we might be able to help.
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