

Sextupole magnets for NSLS-II at Brookhaven National Laboratory

Scanditronix Magnet is in collaboration with Danfysik A/S manufacturing 169 sextupole magnets for the NSLS-II (National Synchrotron Light Source) storage ring at Brookhaven National Laboratory.

Our workshop is producing the coils as well as the laminated yokes for the magnets. The coils are impregnated using alumina filled epoxy which leaves the finished coils with a high radiation resistance and a whitish colour.

The yokes are produced by stacking and gluing laminates in a high precision

stacking tool. The First Article magnets have been accepted and several batches of series production magnets have up to date been delivered and are undergoing final acceptance tests at BNL premises.



Magnets for M20 Muon Beam Line at TRIUMF

Scanditronix Magnet has produced 8 quadrupole magnets, 2 dipole magnets and one septum magnet for the M20 Muon Beam Line at TRIUMF.

The quadrupole magnets have been manufactured according to existing design from TRIUMF, whereas the dipole and septum have been

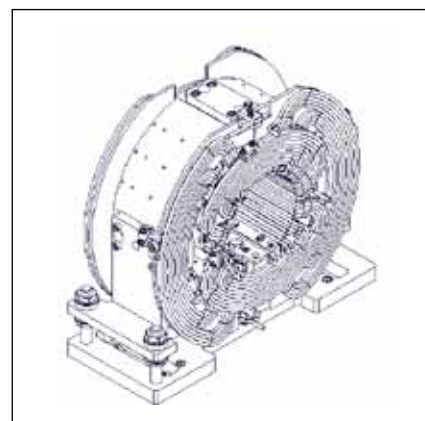
designed, magnetically and mechanically, at Scanditronix Magnet. Field quality of the finished products have been verified by field mapping using rotating coil and our computer controlled Hall probe system.



BPM Steering Magnets for SPARC Project

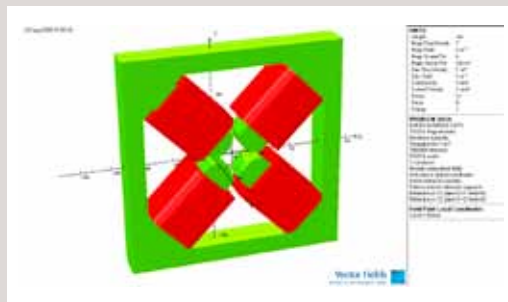
We are pleased to once again have been selected by INFN-LNF to supply 24 BPM steering magnets for the SPARC Project. Scanditronix Magnet has previously, during 2007, successfully delivered this type of magnets to INFN-LNF.

The coil windings are done on precision manufactured aluminum coil supports to form inner and outer steering magnets. The inner magnet is thereafter assembled into the outer magnet due to the limited longitudinal installation space.



What we offer

- Magnetic design
- Mechanical design
- Manufacturing
- Assembly
- Quality assurance
- Magnet field measurements



Conferences

PAC'11 held in New York, USA during March 28 –April 1

IPAC'11 held in San Sebastian, Spain during September 4–9

We look forward to meeting existing and future customers at these conferences and welcome you all to visit us at our booths.

Increased office space

The continuous growth of our company, with increased capacity in yoke stacking and larger assembly hall as previous investments, the need of more office space is now being settled.



The first phase of the construction work is already well on its way and will leave us with double the office space of today, adding 10 office rooms, a proper reception area and two new meeting rooms.

Phase two will add even more space which will be used for new dressing rooms. The last phase will result in a new, larger cafeteria. We look forward to the completion of this and hope to welcome our customers to visit us in our new office during the year.

Mikael Vieweg
President

Quadrupole magnets for Advanced Energy Systems, Inc

We are pleased to have noted yet another new customer into our order book. Two orders for a total of 30 quadrupole magnets of three different types for a beam line system at the Fritz Haber Institute are presently being processed.

The orders include magnetic and mechanical design, manufacture and final testing of the magnets. Magnetic design has been performed by 3D simulations using Vector Fields Opera3D and mechanical design has been made with Solid Edge 3D.

The field quality has been verified by performing measurements with rotating coil and Hall probe.



New order for SPIRAL 2 at GANIL (Le Grand Accélérateur National d'Ions Lourds)

Scanditronix Magnet AB is pleased to have received a new order for GANIL. The order is for six solid steel dipole magnets and spare coils for the SPIRAL

2 project. The weight of the magnets is ca six tonnes each. The order includes mechanical design, manufacture and final testing.