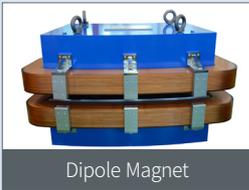


HANMI TECHWIN

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major business	Accelerator&Medical magnet, Industrial magnet, Brake, Cable Reel, Crane Control&Drive system Crane Control&Drive system		

Hanmi Techwin is a manufacturer of electromagnets, brakes, cable reels, crane control&drive systems. Since its establishment in 1966, Hanmi Techwin has strengthened its core competencies by focusing on qualitative growth such as technological innovation and improvement and new product development. It designed and delivered accelerator electromagnets to Pohang Accelerator Laboratory(X-FEL Project) and Rare isotope Accelerator complex for ON-line experiments(RAON), and is a company specialized in the production of electromagnets applied to accelerators and medical applications that have been recognized for their technology such as participation in medical electromagnets manufacturing business and export of electromagnets.

Products

 Dipole Magnet	Use BEAM BANDING (Dipole magnet)	 Quadrupole Magnet	Use BEAM FOCUSING (Quadrupole magnet)
	Description Magnet Field 1.0T, Pole Gap 90mm, DC 58.66V/263.32A		Description Field Gradient 25T/m, Bore Radius 32mm, DC 13.58V/242.63A
 Cyclotron Magnet	Use Medical Magnet (Cyclotron)	 Silica Separator	Use Iron separator in Silica sand
	Description 10Mev, Magnet Field 1.17T, DC 85.2V/179.4A		Description Magnet Field 3.0T, Operation Temp. 4K, Magnetic Inner diameter 250mm

Technical Capacity

» Magnetic field analysis and Design

Magnetic field analysis using OPERA and thermal analysis using ANSYS are possible, enabling design and estimation work with only the basic data required for magnet production

» Abundant human resources

Of the total 125 employees, 40 are technical personnel, and they are capable of physical design, structural analysis, and thermal analysis, and have more than 40 copies of Inventor and AutoCAD programs, so they can respond quickly to any product

» Established own production facility and inspection equipment

It is equipped with all facilities necessary for manufacturing, such as large and small processing facilities, winding machines, and impregnation facilities necessary for electromagnet production, and has a magnetic field measuring machine and 3D measuring machine, so it is possible to manufacture non-stop from production to inspection