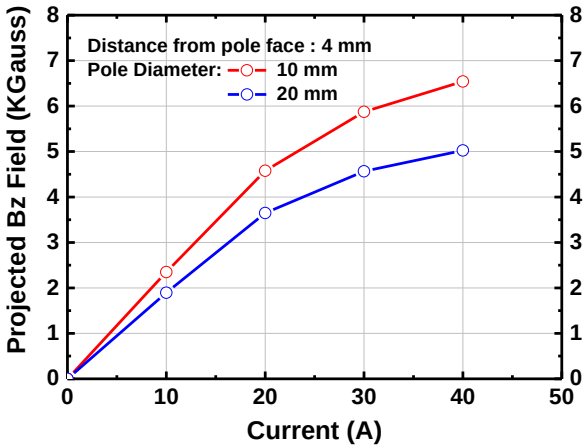
KR TECH

Projected Field Electromagnet

A projected field electromagnet (PFEM) from KR TECH is now introduced. KR TECH PFEM incorporate engineered bobbin structure, high density water-cooled coils and precision yokes made of pure steel assuring higher efficiency (output field/input current). Very high efficiency allows less cost to settle down your electromagnetic platform. Magnetic pole can be changed by the target performance such as the maximum field or field uniformity. The PFEM is also compact in size and have base plate with bolt hole, permitting convenient bench-top mounting to optical table.

Key Features

- The highest projected field using a single magnet power supply
- High continuous fields up to 0.65 T (Interchangeable pole)
- Engineered bobbin structure achieving low power consumption
- Compact size and suitable for bench-top mounting



Field plot by the input current

General Specifications

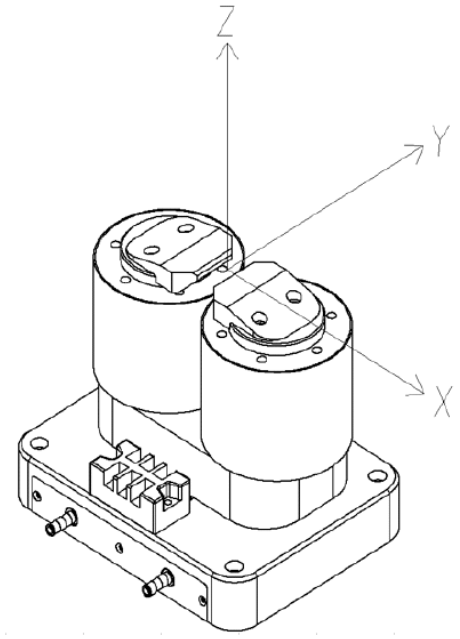
Dimensions	165(W)x220(D)x169(H) mm^3
Coil Resistance	0.5 Ω
Core Diameter	27 mm
Pole Face Diameter	20 mm
Input Current	30A(Continue), 50A(Pulse)
Output Field	0.5 T/40 A (4 mm distance)
Application	Hall measurement system, Wafer test, Probestation, Magneto-Optical experiment

37-24, Maeyeo-ro 1gil, Dong-gu, Daegu, South Korea
Tel. 82-53-352-7333, Fax. 82-53-352-6335, info@krtech.co.kr

KR TECH

KR TECH

Projected Field Electromagnet

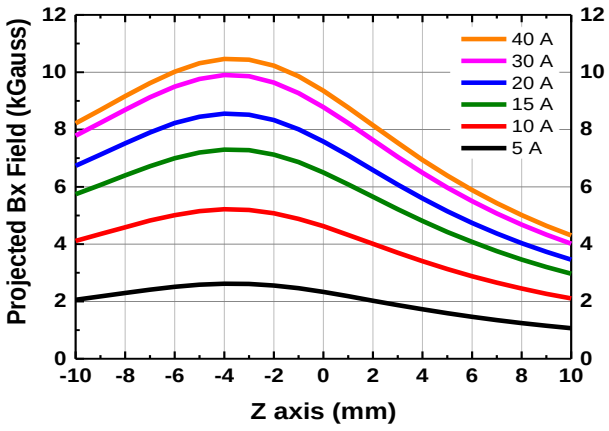


A projected field electromagnet (PFEM) from KR TECH is now introduced. KR TECH PFEM incorporate engineered bobbin structure, high density water-cooled coils and precision yokes made of pure steel assuring higher efficiency (output field/input current). Very high efficiency allows less cost to settle down your electromagnetic platform. Magnetic pole can be changed by the target performance such as the maximum field or field uniformity. The PFEM is also compact in size and have base plate with bolt hole, permitting convenient bench-top mounting to optical table.

Key Features

- The highest projected field using a single magnet power supply
- Engineered bobbin structure achieving low power consumption
- Compact size and suitable for bench-top mounting

General Specifications



Field plot by the input current at (x,y) = (0,0)

Dimensions	186(W) x 140(D) x 154(H) mm^3
Coil Resistance	1.2 Ω
Pole Gap	15 mm
Pole Face Area	30 (D) x 3 (H) mm^2
Input Current	30A(Continue), 50A(Pulse)
Output Field	1.05 T/40 A (z = -4 mm)
Application	Hall measurement system, Wafer test, Probestation, Scanning probe microscope, Magneto-Optical experiment

37-24, Maeyeo-ro 1gil, Dong-gu, Daegu, South Korea
Tel. 82-53-352-7333, Fax. 82-53-352-6335, info@krtech.co.kr

KR TECH