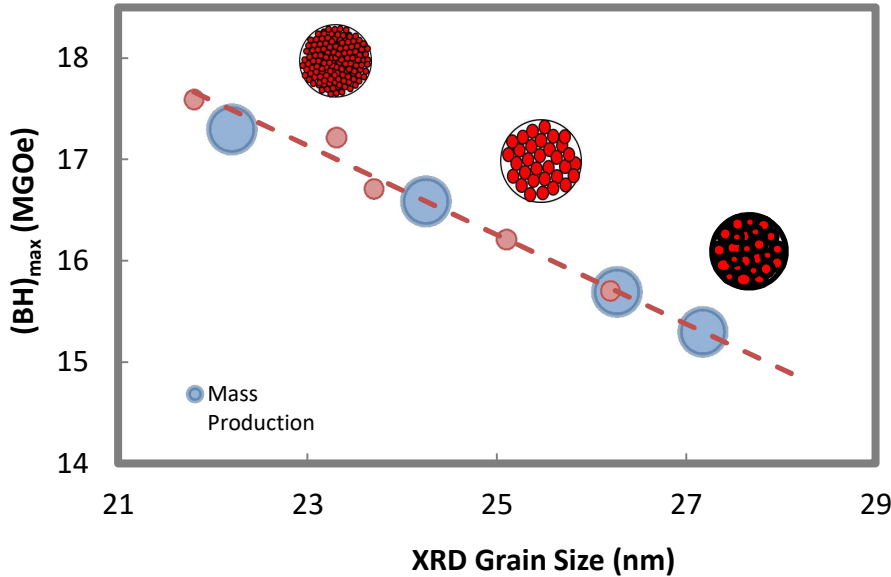


Advanced Quenching (“AQ”) Technology

Magnequench’s AQ Technology has enabled the highest magnetic properties for isotropic magnets in the bonded neo industry



The high energy product and remanence is achieved by making grain size smaller and more uniform

No raw material changes necessary.

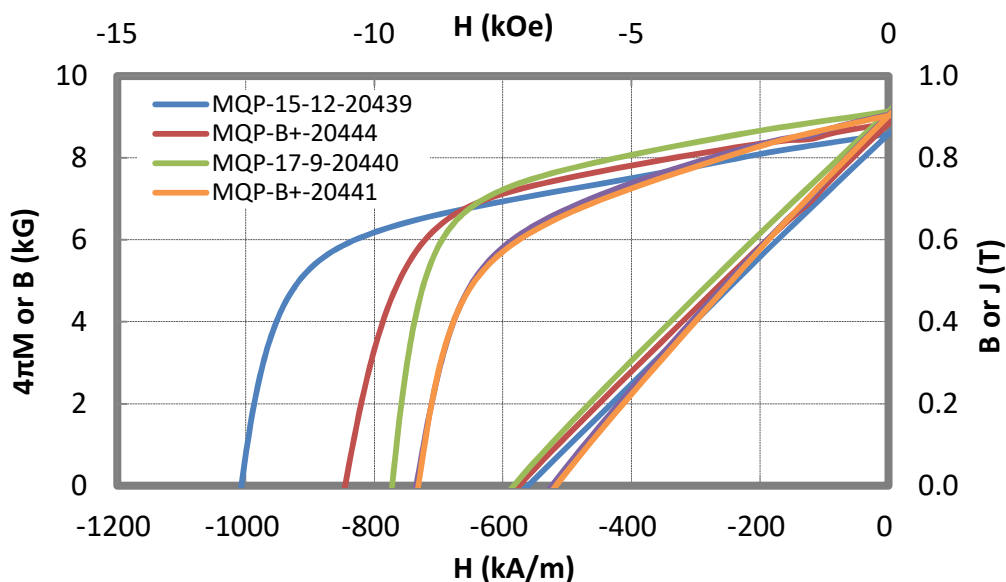
Powder Grades

		Highest magnetic properties in the industry	Highest magnetic properties for high temperature material	Cobalt free B+ grades	
		<i>MQP-17-9-20440</i>	<i>MQP-15-12-20439</i>	<i>MQP-B+-20444</i>	<i>MQP-B+-20441</i>
B_r	mT	905-915	850-860	875-885	898-908
	(kG)	(9.05-9.15)	(8.50-8.60)	(8.75-8.85)	(8.98-9.08)
H_{ci}	kA/m	745-785	950-1030	800-860	700-740
	(kOe)	(9.4-9.7)	(11.9-12.9)	(10.0-10.8)	(8.8-9.3)
BH_{max}	kJ/m^3	132-138	118-124	123-129	120-128
	(MGOe)	(16.6-17.3)	(14.8-15.6)	(15.4-16.2)	(15.0-16.0)

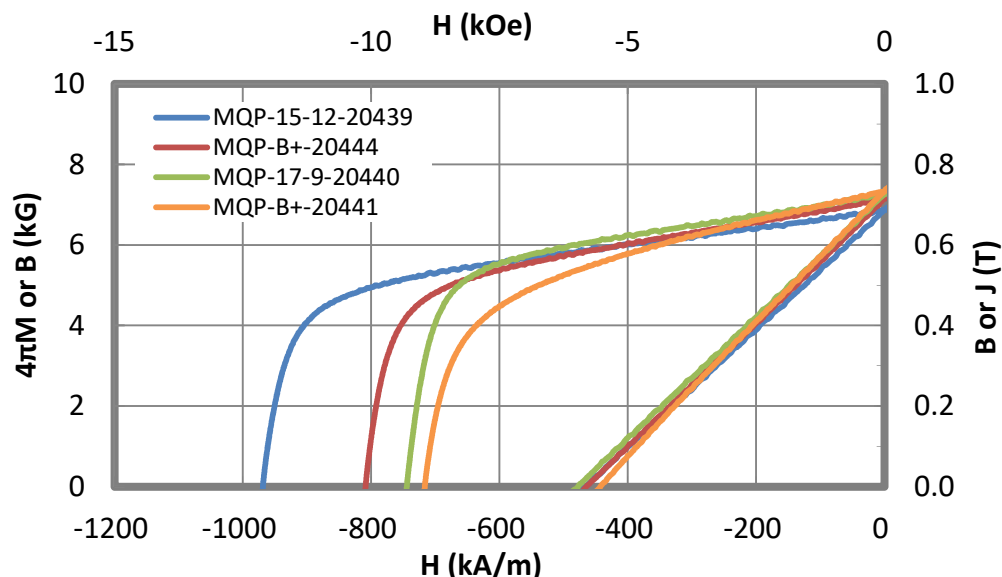
AQ MQP™ Grades

- **Improved Magnetics:** AQ Powders ensure the magnetic performance of bonded neo magnets continues to improve
- **Narrower Specifications:** AQ Powders have narrower specifications, enabling more consistent magnet and motor performance
- **Improved Minimum Performance:** AQ Powders are produced to have higher minimum specifications to help the supply chain shrink the gap between nominal and minimum specified performance

Powder Characteristics



Magnet Characteristics



All AQ MQP™ grades listed are available for sampling and mass production. Other AQ MQP™ grades are available as well, so please contact your sales representative for details.

Please also visit www.mqitechnology.com to find out more details on each individual MQP™ grade.