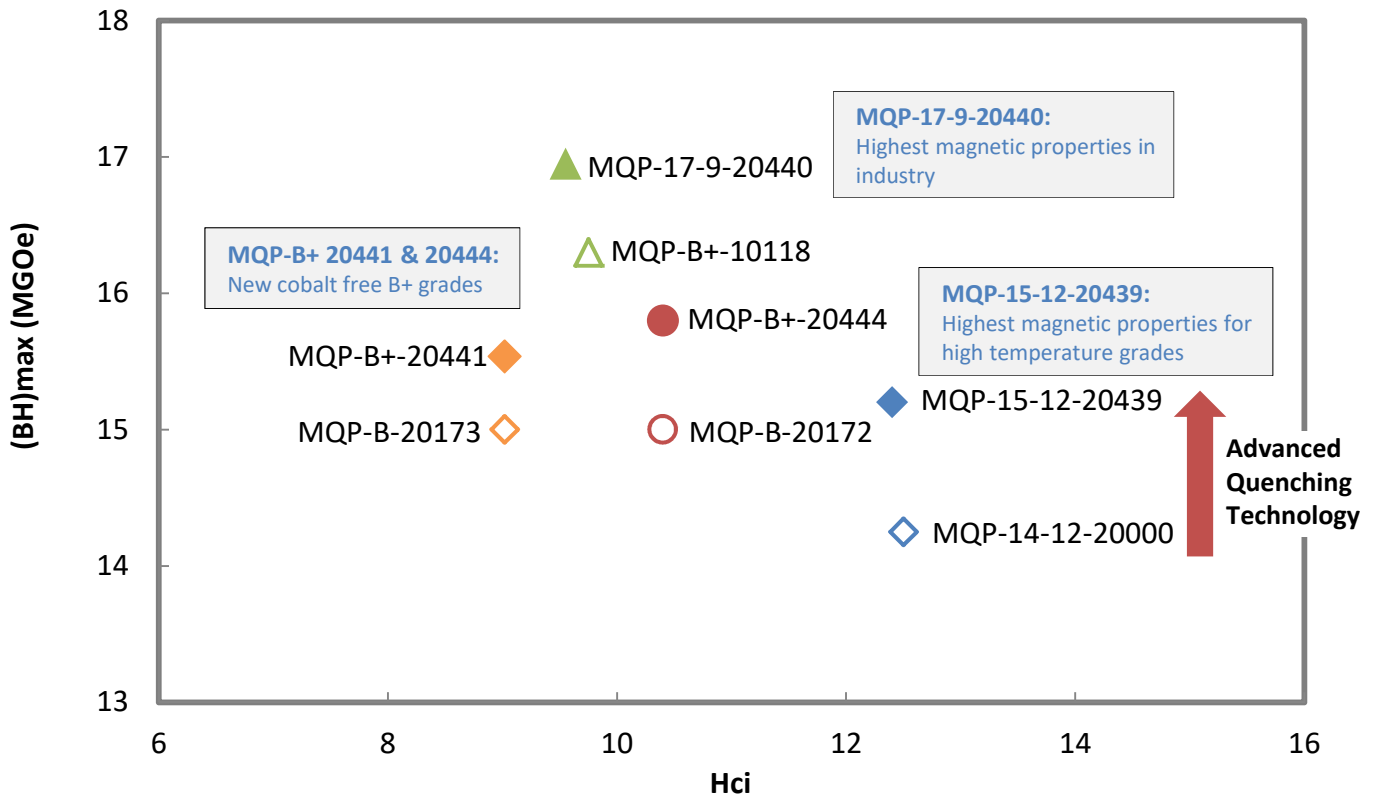
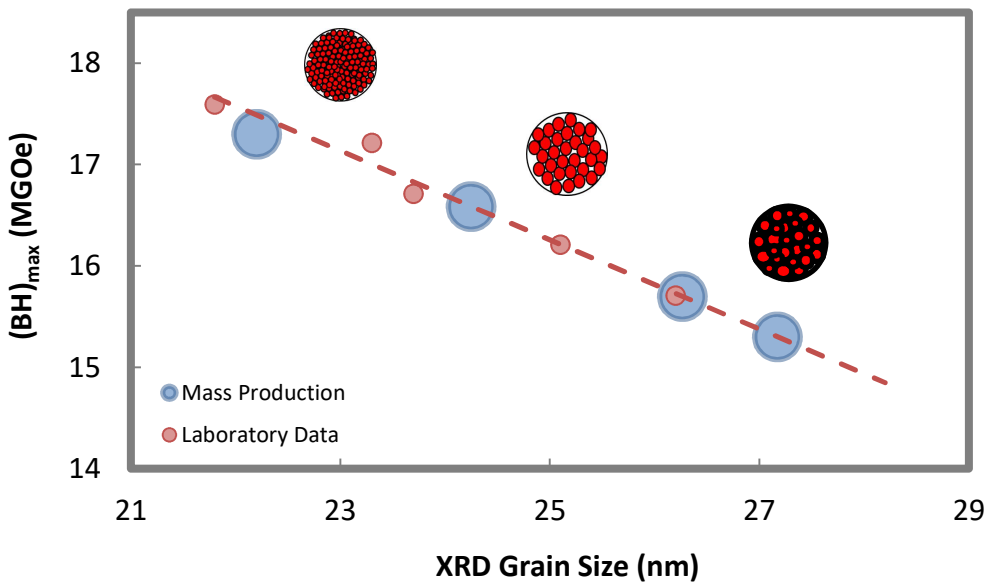


# Advanced Quenching (“AQ”) Technology

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



AQ technology enables up to a 1 MGOe improvement



This improvement in energy product and remanence is achieved by making grain size smaller and more uniform

No raw material changes necessary.

# AQ MQP™ Grades

		<i>Existing Grade MQP-B+-10118</i>	<i>AQ Grade MQP-17-9-20440</i>
$B_r$	mT (kG)	895-915 (8.95-9.15)	905-915 (9.05-9.15)
$H_{ci}$	kA/m (kOe)	716-836 (9.0-10.5)	745-785 (9.4-9.7)
$BH_{max}$	$\text{kJ/m}^3$ MGOe	126-134 (15.8-16.8)	132-138 (16.6-17.3)

		<i>Existing Grade MQP-14-12-20000</i>	<i>AQ Grade MQP-15-12-20439</i>
$B_r$	mT (kG)	820-850 (8.20-8.50)	850-860 (8.50-8.60)
$H_{ci}$	kA/m (kOe)	940-1050 (11.8-13.2)	950-1030 (11.9-12.9)
$BH_{max}$	$\text{kJ/m}^3$ MGOe	107-120 (13.4-15.1)	118-124 (14.8-15.6)

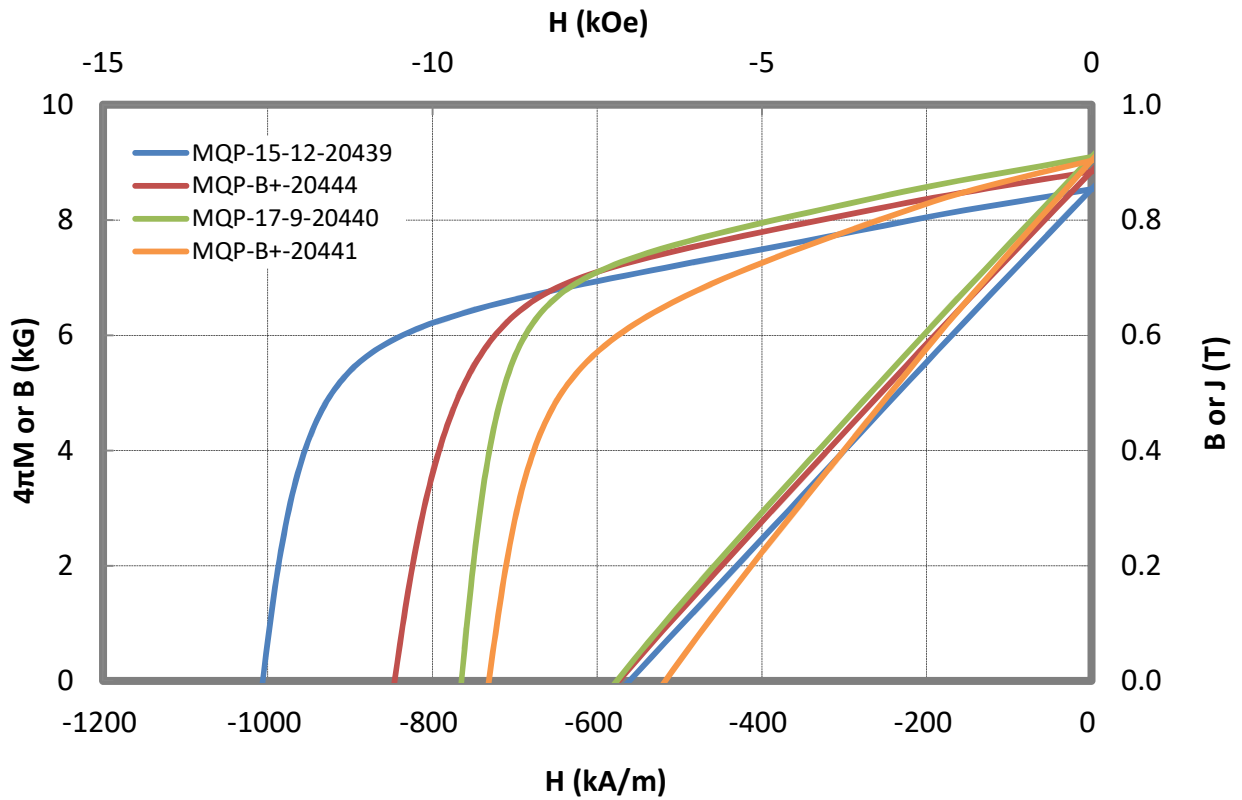
		<i>Existing Grade MQP-B-20172 (PrNdB3)</i>	<i>AQ Grade MQP-B+-20444</i>
$B_r$	mT (kG)	860-880 (8.60-8.80)	875-885 (8.75-8.85)
$H_{ci}$	kA/m (kOe)	800-860 (10.0-10.8)	800-860 (10.0-10.8)
$BH_{max}$	$\text{kJ/m}^3$ MGOe	116-124 (14.5-15.5)	123-129 (15.4-16.2)

		<i>Existing Grade MQP-B-20173 (PrNdB4)</i>	<i>AQ Grade MQP-B+-20441</i>
$B_r$	mT (kG)	883-903 (8.83-9.03)	898-908 (8.98-9.08)
$H_{ci}$	kA/m (kOe)	690-750 (8.6-9.4)	700-740 (8.8-9.3)
$BH_{max}$	$\text{kJ/m}^3$ MGOe	116-124 (14.5-15.5)	120-128 (15.0-16.0)

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](http://www.mqitechnology.com) to find out more details on each individual MQP™ grade.

# Powder Characteristics



# Magnet Characteristics

