

CBN POWDER

Products Guide

TOMEI DIAMOND

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<http://www.tomeidiamond.co.jp>

TOMEI DIAMOND CO., LTD.

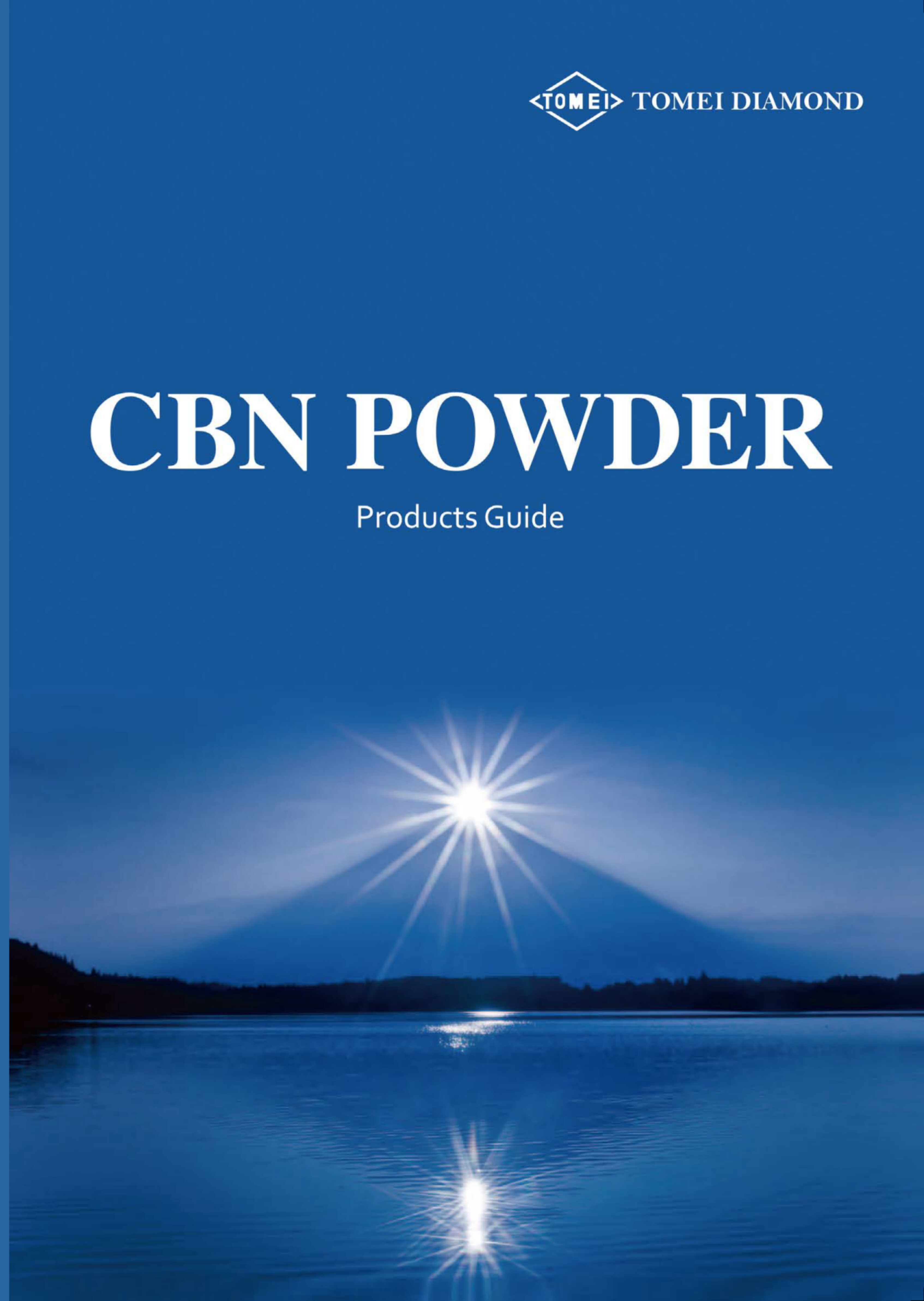
Sales department

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tomeidiamond@nifty.com

Oyama plant

Tel.(+81)285-22-5821 Fax.(+81)285-22-5827



Mesh-Size

- ISBN

 - Consists of uncoated angular grains
 - Has high friability
 - Efficiently removes stock under low resistance
- ISBN-V

 - Dark amber colored crystal
 - Tough and irregular large sharpe edges
 - Split into large fragment
 - Is suitable for vitrified and resin bonds
- ISBN-V2

 - Angular grains with more friability than ISBN-V abrasive
 - Excellent grindability with low resistance
 - Is suitable for use with vitrified bond
 - Color: Dark amber
- ISBN-R

 - Used for electroplated tool
 - Tough and long life
- ISBN-E

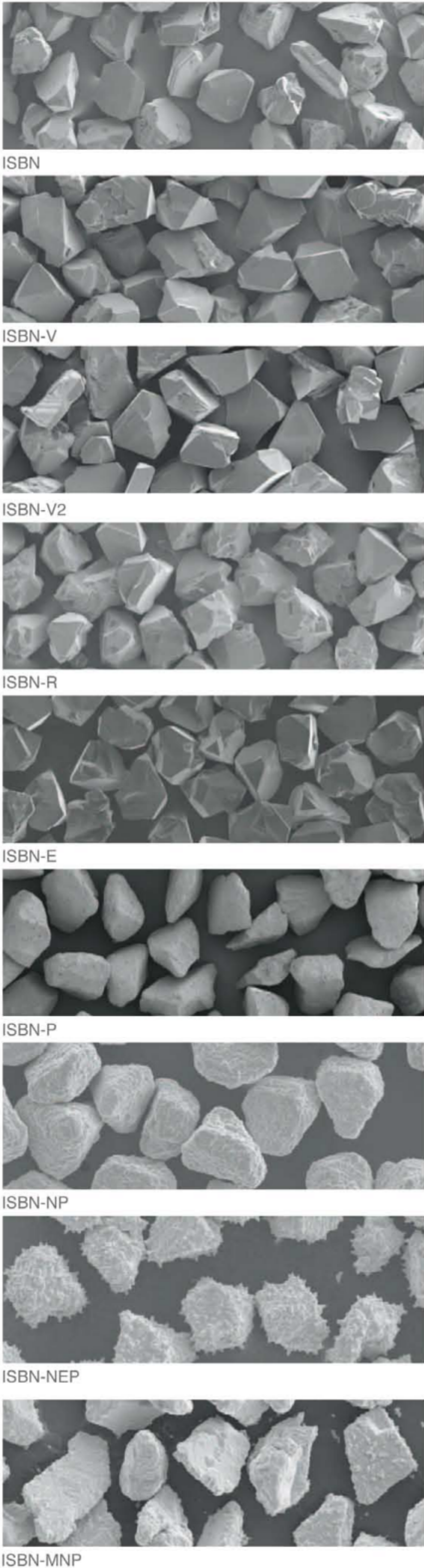
 - Tough and ideal grit shape
 - Is suitable for use in electroplated tool
 - Color: Amber
- ISBN-P

 - Poly crystal
 - Tougher than single crystal abrasives
 - Is suitable for vitrified, metal and resin bonds
 - Color: Black
- ISBN-NP

 - Efficiently removes stock under low resistance
 - Grains are chemically coated with 60% Ni
 - Is suitable for resin bond uses
- ISBN-NEP

 - Has moderate friability
 - Achieves good retention to the bond
 - Grains are electrolytically coated with 60% Ni
 - Is suitable for resin bond uses
- ISBN-RNP

 - Grains are chemically coated with 60% Ni
 - Is suitable for resin bond uses



ISBN abrasives are available in these sizes:

Mesh-Size Grades

	ISBN	ISBN-V	ISBN-V2	ISBN-R	ISBN-E	ISBN-P	ISBN-NP	ISBN-NEP	ISBN-RNP
40/50		○			○	○			
50/60		○			○	○			
60/80	○	○	○	○	○	○	○	○	○
80/100	○	○	○	○	○	○	○	○	○
100/120	○	○	○	○	○	○	○	○	○
120/140	○	○	○	○	○	○	○	○	○
140/170	○	○	○	○	○	○	○	○	○
170/200	○	○	○	○	○	○	○	○	○
200/230	○	○	○	○	○	○	○	○	○
230/270	○	○	○	○	○	○	○	○	○
270/325	○	○	○	○	○	○	○	○	○
325/400	○	○	○	○	○	○	○	○	○
400/500	○	○	○	○	○		○	○	○

Micrometer-Size Grades

	ISBN-M	ISBN-MNP
2-4	○	
2-6	○	
4-6	○	
3-8	○	
4-8	○	
5-10	○	
5-12	○	
6-12	○	
8-16	○	
8-20	○	
10-20	○	
12-25	○	
20-30	○	○
20-40	○	○
30-40	○	○
40-60	○	○

Note: Some products with certain particle sizes will be manufactured after receiving the order.
We are also offering titanium coated products. Please contact us for the sizes available and more information.

Micrometer-Size

- ISBN-M

 - Uncoated ISBN grains with a size down to 2-4μm
 - Has a narrow particle size range
 - Is suitable for vitrified and resin bond uses
- ISBN-MNP

 - Micrometer-size cBN grains chemically coated with 60% Ni
 - Has a moderately rough surface with minute projections
 - Is suitable for resin bond uses