



NISHIMURA
ADVANCED
CERAMICS Co.,Ltd

Management
philosophy

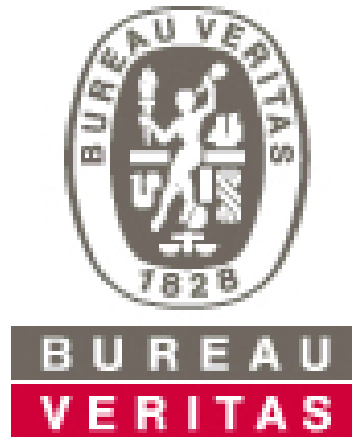


*To realize a more affluent life through
the manufacturing of products that satisfy customers*

Quality policy

*Unlimited improvement of quality achieved
by all company employees*

We will get ISO 9001 within
2017
First step to become a global
ceramic supplier.





President: Yoshihiro
Nishimura



Product developing process



	1920s	1950s	1960s	1970s	1980s
Product list(商品群)	<ul style="list-style-type: none"> ▪ Porcelain 	<ul style="list-style-type: none"> ▪ Start developing a new material ▪ Zircon cordierite ▪ Cordierite 	<ul style="list-style-type: none"> ▪ Material improvement 	<ul style="list-style-type: none"> ▪ Zircon ▪ A White color catalyst for a deodorization machine ▪ R-200 porous alumina 	<ul style="list-style-type: none"> ▪ High purity alumina(N-92~99)
Applications(採用例)	<ul style="list-style-type: none"> ▪ An Insulator ▪ A bottle plug ▪ A Wiring device for a weak electric current 	<ul style="list-style-type: none"> ▪ An Insulating plate for a switch ▪ A Porcelain plate for a communicator ▪ A Surge protection unit 	<ul style="list-style-type: none"> ▪ A resistor for a train ▪ A thermometry tool for a cast iron ▪ An electric heating device for a consumer electronics(An iron, An electric heater, A toaster, and so on) 	<ul style="list-style-type: none"> ▪ A halogen lamp ▪ A microwave oven ▪ A high voltage insect killer ▪ A large deodorization machine ▪ High voltage breaker 	<ul style="list-style-type: none"> ▪ A pump shaft 

Product developing process (1990s~)

	1990s	2000s
Product list 商品群	<ul style="list-style-type: none">▪ Aluminum nitride▪ N-999▪ Zirconia	<ul style="list-style-type: none">▪ N-9H heat radiation ceramics▪ N-9000NS Translucent alumina (2010s~)▪ N-9000T visual light reflection ceramic(2010s~)▪ Yttria (2010s~)▪ Large size alumina
Applications 採用例	<ul style="list-style-type: none">▪ A semiconductor manufacturing machine device▪ A medical device▪ A machine parts▪ An optical device	<ul style="list-style-type: none">▪ A LED lamp▪ A heat sink▪ A heat sensor

Company history



1918
Masajiro
Nishimura
start
producing a
porcelain at
the foot of
the Kiyomizu
temple,
Kyoto.



1967,8
Change the
company name to
Nishimura
porcelain company.
Move to current
location
Yamashina.

1980
Advanced
ceramic
(Japanese
called
“New
ceramics”)
fever era

1985
Set a high
temperature
gas furnace



1947
Yosakichi
Nishimura
found the
Nishimura
seitoshu
company.

1960s Set
a lot of
machine
press.
Automatio
n, Large
scale
production

1981
Yoshio
Nishimura
(A
incumbent
chair man)
was
installed as
a president.



Company History



2000
Start taking
green
processing



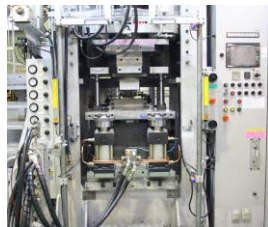
2011
Introdu
cing a
400ton
oil
presser
machin
e press.

2014 Set
a
overseas
division.
Start
overseas
sales.

2017 Change
English company
name to
“Nishimura
Advanced
ceramics Co., Ltd”
from “Nishimura
Porcelain Co., Ltd”



2000
Introduc
ing an
image
process
or.

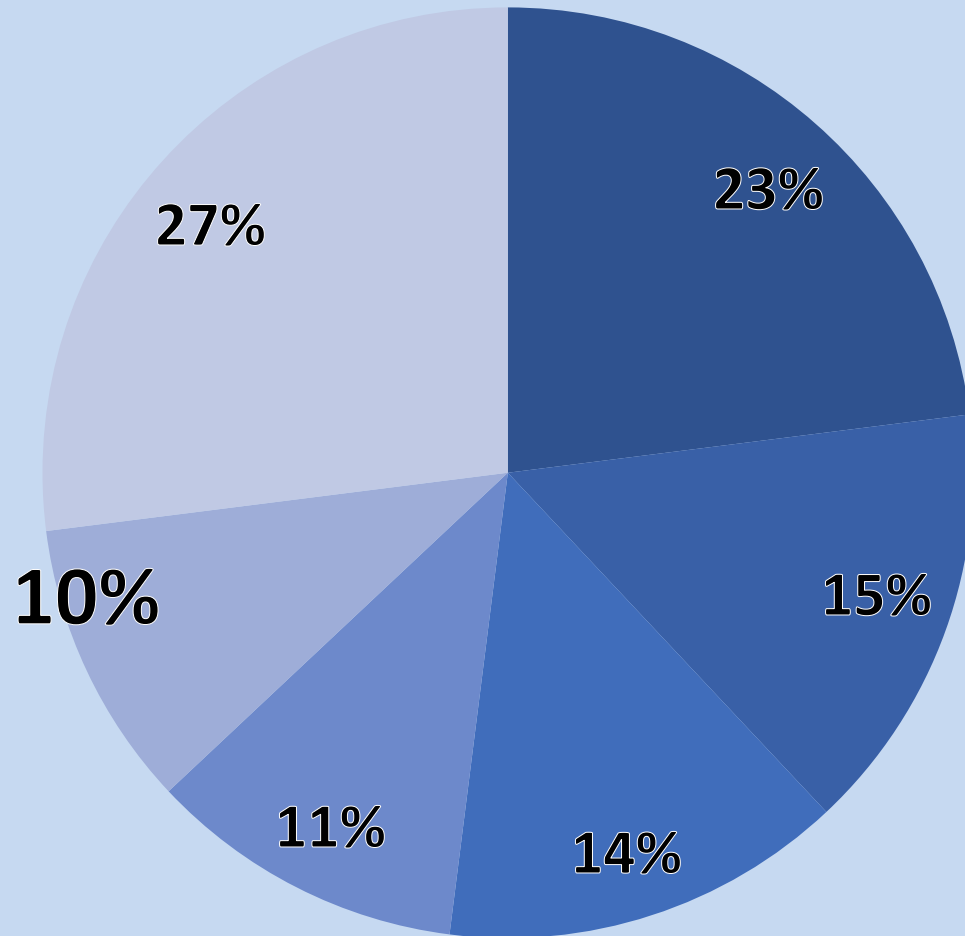


2011
Yoshihiro
Nishimura
was
installed to
a president.

2016 The Japanese
Ministry of Economy,
Trade and Industry
(METI) selected us as
a model examples
called “Excellent SMEs
and Micro Enterprises
Selection 300” and
“Excellent Shopping
Districts Selection 30.”

2018
100th
anniversary of
the founding

Sales Ratio



- Semiconductor or Liquid crystal device parts
- Pump or Machine parts
- Analysis parts
- Insulator
- LED or Heat Sink Parts
- others

Materials

- Alumina (92~99.99%)(White, Black color)
- Tosoh[®]Zirconia (Normal, HIP, Black color, Blue color),
- **Lower price Zirconia** ▪ **High Fracture Toughness Zirconia**
- Aluminum Nitride (Thermal conductivity 170W type, High purity type)
- Yttria ▪ Heat radiation ceramic ▪ Forsterite
- Porous Alumina (High porosity type, 0.1 μ m pore size type, and more)
- High Strength Translucent Alumina cermaics
- **Feed Stock for CIM, Extrusion Molding, Dry press**
- And more...

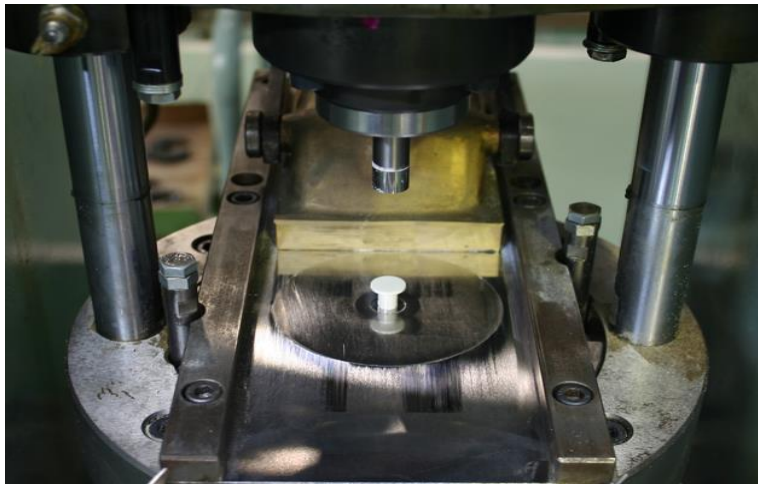
Manufacturing Technology



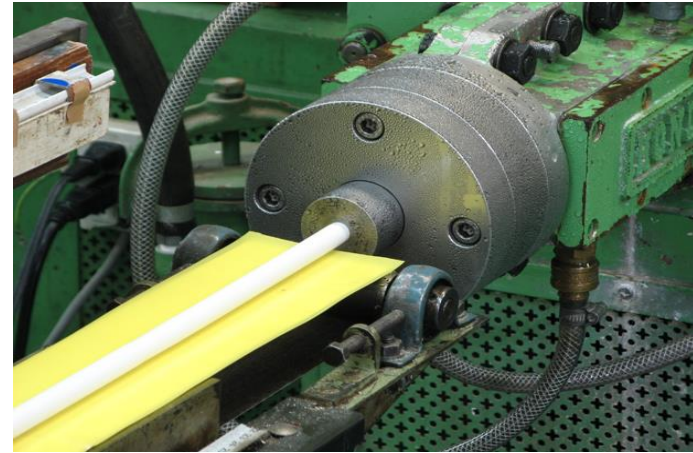
Ceramic Injection Molding(30years experience)



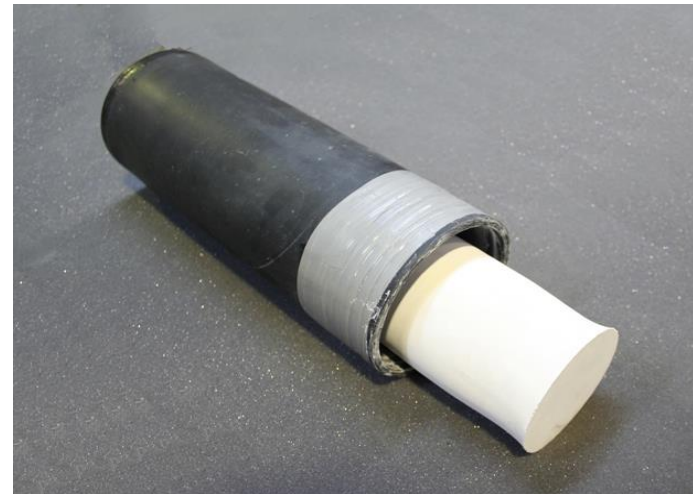
Machine press(Hand press~400ton)



Extrusion Molding(30 Years Experience)



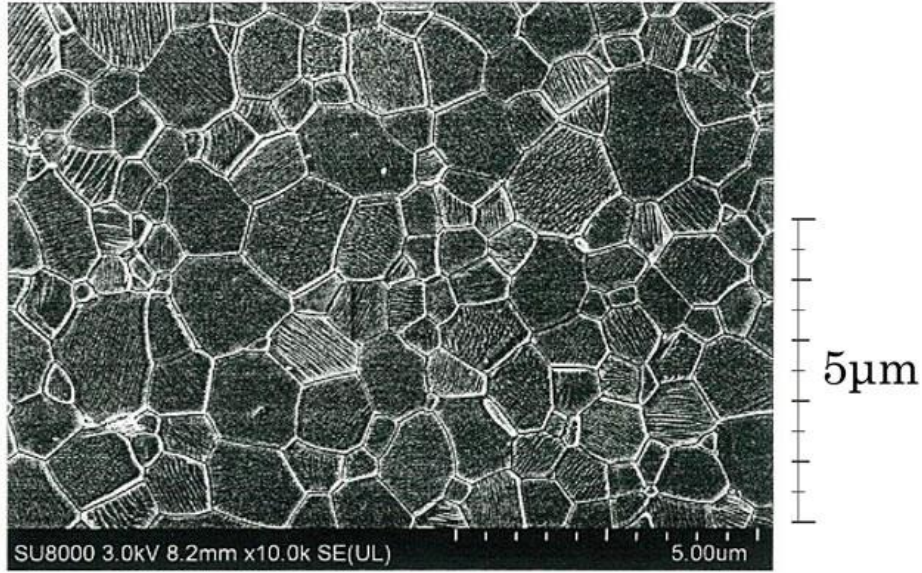
Cold Isostatic Press(CIP)



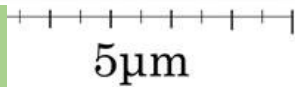
Feed Stock Technology
Own R&D team
Own Spray Drying
Unfired machining(CNC)
Sintering Technology
Polishing
Lapping Machine
Centerless Grinding
3D measuring

Partnership between
several research
Institute

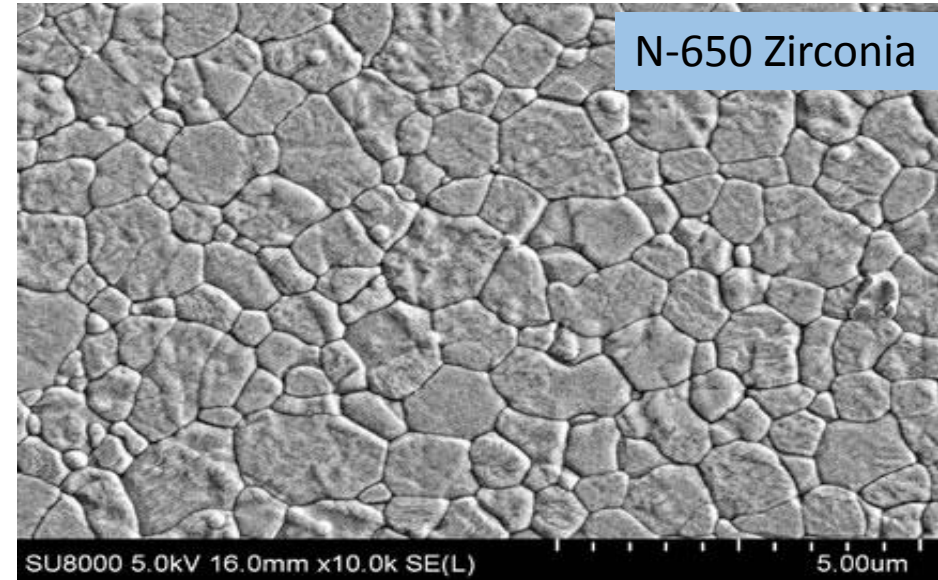
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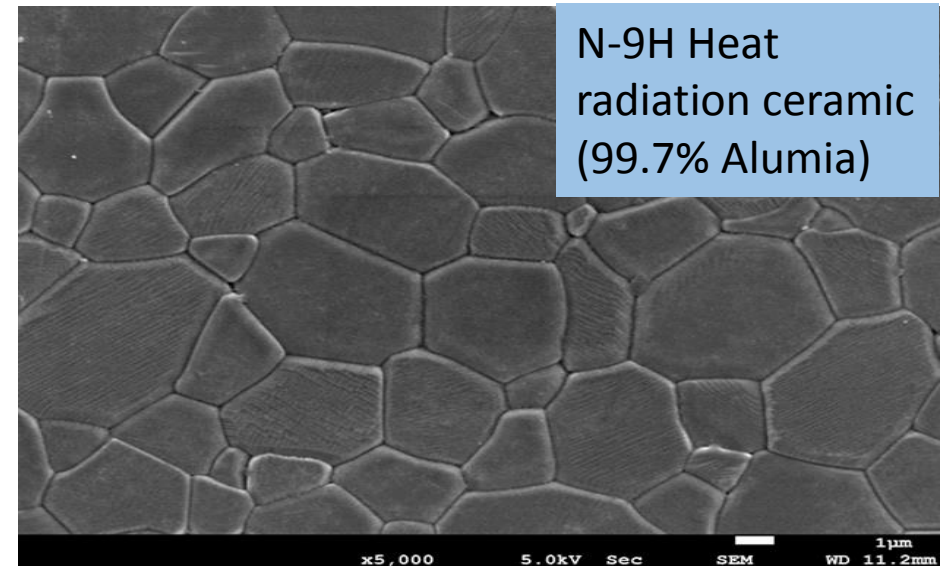
N-9000NS Translucent Alumina(99.99% Alumina)



N-650 Zirconia



N-9H Heat radiation ceramic (99.7% Alumina)



ニューセラミック・絶縁碍子・遠赤外線放射セラミック
電子材料・金属射出成形・酸化白金触媒・装置

本 社 京都市山科区川田清水焼団地町3番地の2
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-8322 ファックス (075) 591-4 9 1 3 番

西村陶業株式会社



CIM



We have over 30years
experience as a pioneer of CIM

From Feedstock preparation to
Sintering

Low cost (From 1pcs cavity mold
to 8pcs Cavity mold)

Making complex design parts in
one shot

(Customer Industry)

-Automobile, Electric, Indus
try, Medical, Luxury goods



NISHIMURA
ADVANCED CERAMICS

since 1918



Feedstock(CIM, Extrusion, MIM, Granuel powder)

CIM feedstock

- N-9000NS Translucent Alumina, N-999S, N-96, Zirconia(White, Black, High fracture toughness) CIM feed stock is now available to provide.
- High recyclability(up to 10 times which is X3 from usual feedstock)
- Less abrasion of metal mold
- From small quantity
- 100% Nishimura original binder mixing and original ceramic powder

MIM feedstock

- We need to prepare a feedstock with our original binder mixing .
- High Recyclability *Metal powder should be supplied from a customer

Extrusion feedstock

- 100% Nishimura original binder mixing
- Over 30 years experience of extrusion feedstock preparing.
- From small quantity.

NAC overseas business policy



Not just any ceramic maker.

As a solution Provider.

Nishimura Advanced Ceramics will work hard for developing market of Advanced Ceramics(Fine ceramics, Engineering ceramics) with our 100 years ceramic manufacturing experience. Please feel free to contact me for any cooperation.



Contact
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