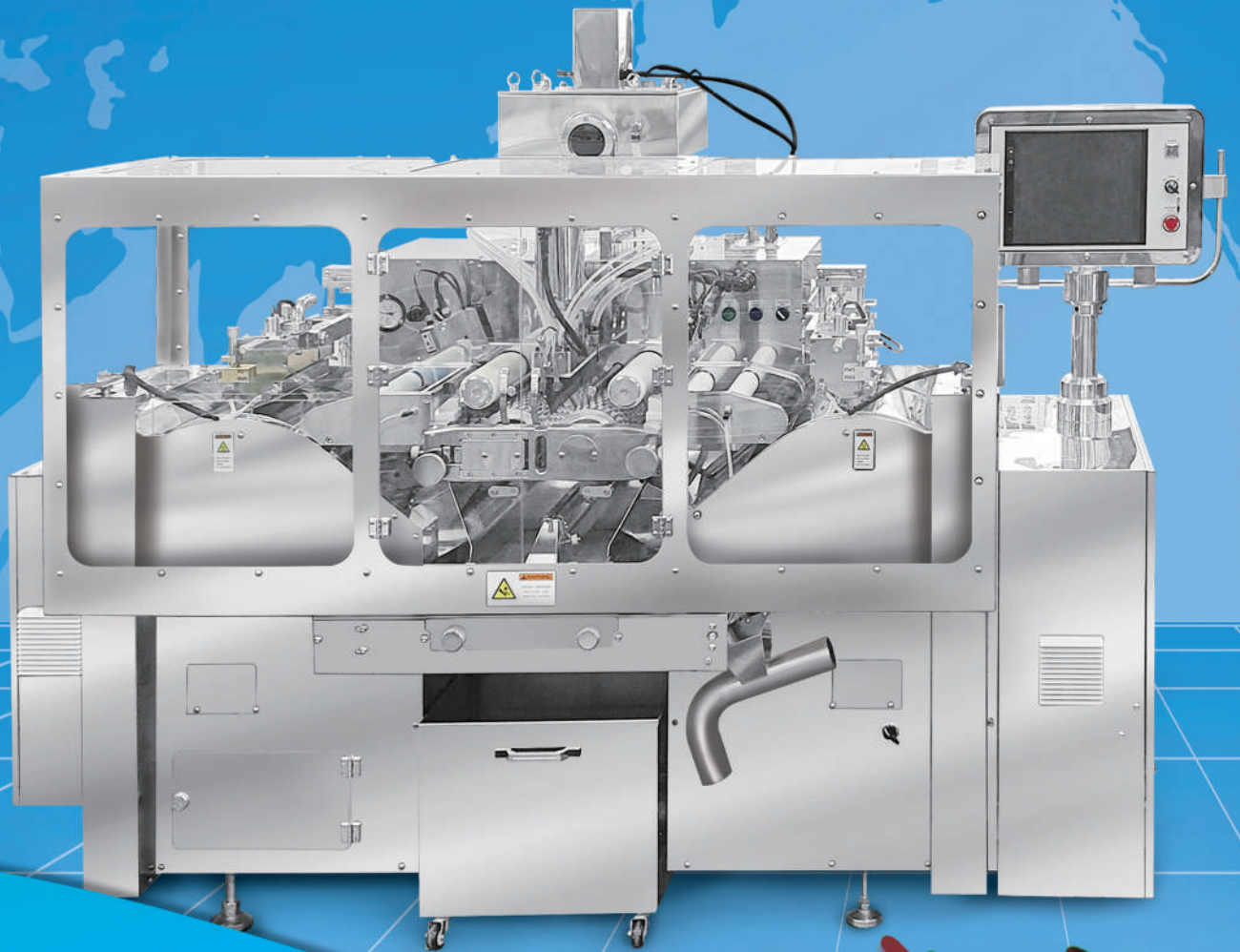


GLOBAL BOCHANG

AUTOMATIC SOFT GELATIN CAPSULE MANUFACTURING SYSTEM



Registered ISO 9001:2015
Registered ISO 14001:2015



COC : DOC CERTIFICATION
COC : TUV PRODUCT SERVICE

Venture for
Tomorrow

www.bochangmc.com



BOCHANG CO., LTD.

BOCHANG'S PROFILE

Bochang's engineering staff has been providing precision soft gelatin capsule encapsulators the pharmaceutical and food industries for over 30 years.

During that period, Bochang has built expertise and knowledge necessary to develop the finest high precision soft gelatin encapsulator with improved performance and increased productivity.

We always try to satisfy our customers.

- **Establish in 1994.**
- **ISO 9001:2015**
- **ISO 14001:2015**
- **CE Certificate of Conformity 2006/42/EC (Machinery)**
- **18 Patents for Encapsulation Machine.**

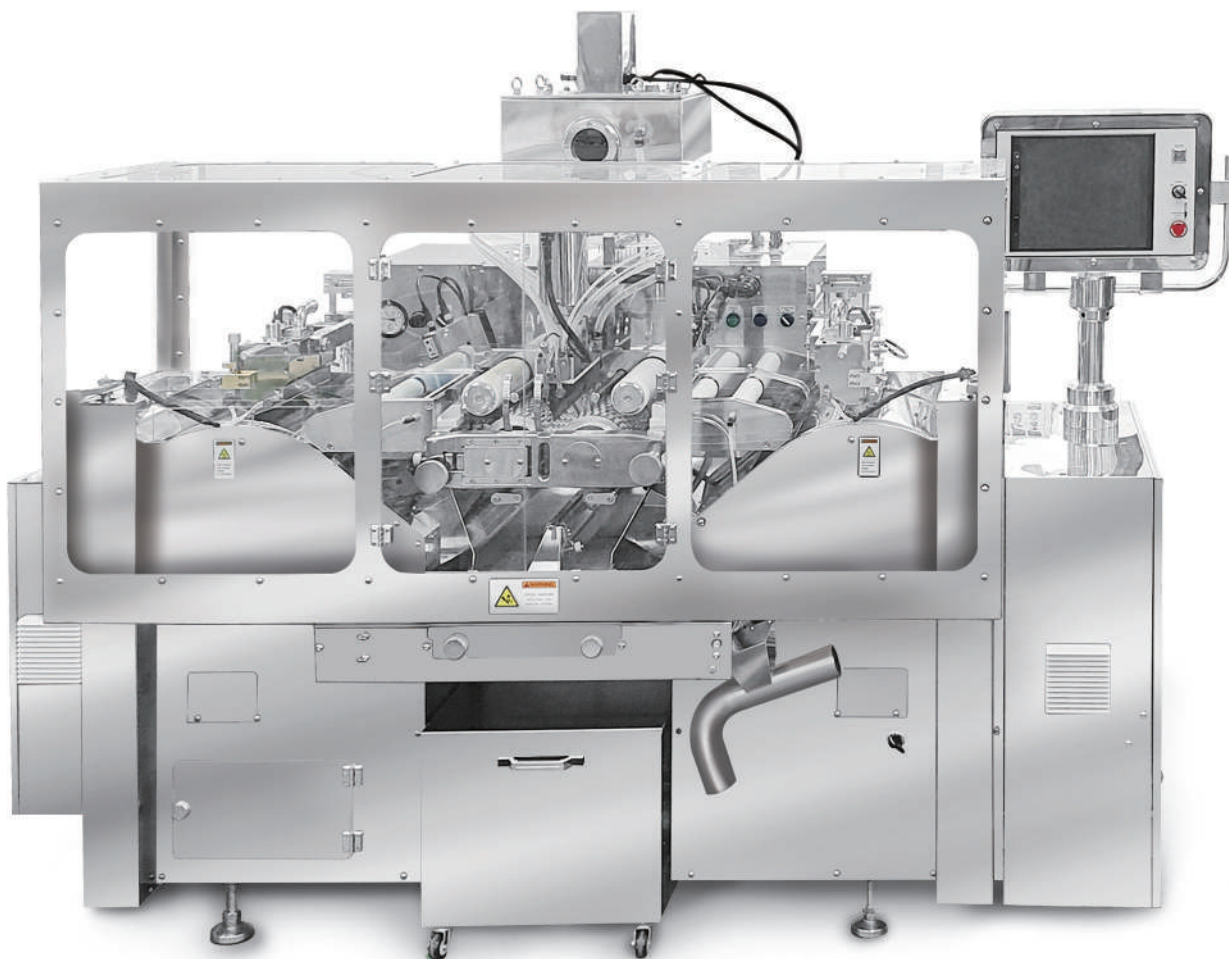
ENCAPSULATION M/C FOR SOFT CAPSULE

CHARACTERISTICS

- Compliance c-GMP
- Self-lubrication Filling Pump (Bochang Patent)
- Precise medicine filling pump
- Servo controlled Drive motor
- Filling time and Filling Volume control at the HMI(touch Screen)
- Easy Maintenance
- Optionable Item
 - Safety Front Cover (Up & Down by Pneumatic Switch)
 - Compliance 21 CFR Part 11

MODEL: BCM-GB21-SV & GB22-SV

MAIN ENCAPSULATION M/C WITH TUMBLE DRYER



BEST QUALITY AND BEST PERFORMANCE IN THE WORLD

MODEL	DIE ROLL SIZE	TUMBLE BUCKET #	RPM (MAX)	RPM(WORKING)
BCM-GB21-SV	Ø150 X 250(L)mm	4 (Ø578 X 768)	6 RPM	3~4 RPM
BCM-GB22-SV	Ø150 X 305(L)mm	6 (Ø578 X 768)	6 RPM	3~4 RPM

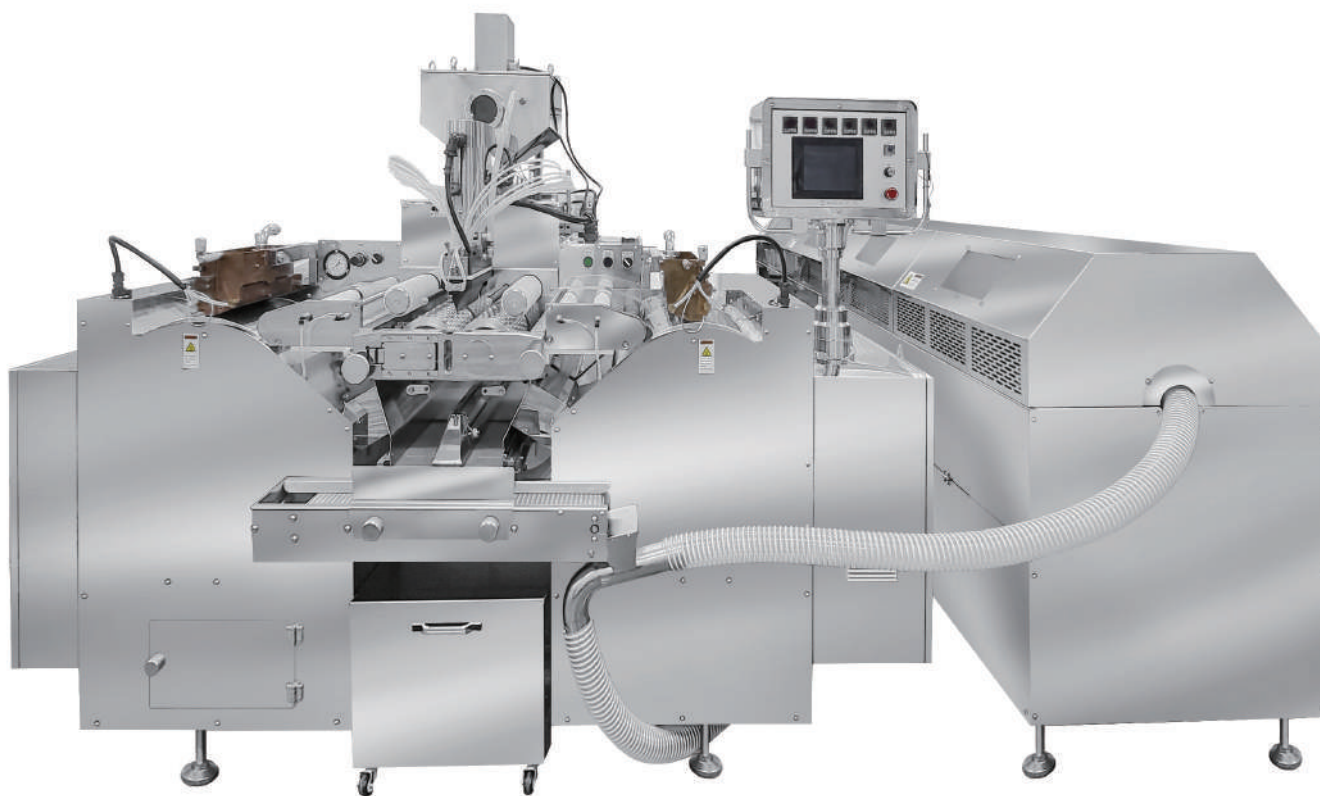
ENCAPSULATION M/C FOR SOFT CAPSULE

CHARACTERISTICS

- Compliance c-GMP
- Self-lubrication Filling Pump (Bochang Patent)
- Precise medicine filling pump
- Easy Maintenance
- Optionable Item
 - Safety Front Cover (Up & Down by Pneumatic Switch)
 - Compliance 21 CFR Part 11
 - Motorized control filling volume

MODEL : BCM-GB SERIES

MAIN ENCAPSULATION M/C WITH TUMBLE DRYER



BEST QUALITY AND BEST PERFORMANCE IN THE WORLD

MODEL	DIE ROLL SIZE	TUMBLE BUCKET #	RPM (MAX)	RPM(WORKING)
BCM-GB5	Ø105 X 185(L)mm	3 (Ø578 X 768)	6 RPM	3~4 RPM
BCM-GB6	Ø150 X 250(L)mm	4 (Ø578 X 768)	6 RPM	3~4 RPM
BCM-GB6-GFS	Ø150 X 250(L)mm	6(Ø578 X 768)	6 RPM	3 ~ 4 RPM(GELATIN) 2 ~ 2.5 RPM(VEGE)
BCM-GB7	Ø150 X 290(L)mm	6(Ø578 X 768)	6 RPM	3 ~ 4 RPM
BCM-GB6-GFS	Ø150 X 290(L)mm	8 (Ø578 X 768)	6 RPM	3 ~ 4 RPM(GELATIN) 2 ~ 2.5 RPM(VEGE)

CAPSULE SHELL PREPARATION SYSTEM

GELATIN MELTING TANK



CHARACTERISTICS

- All contact part STS316L
- Open Top(Lid) Type
- Easy Cleaning
- Including Vacuum Pump (Water sealed type)
- Heating Source: Electric Heater

SPECIFICATIONS

- Capacity(Working Capacity)
600(300)L, 800(450)L, 1000(550)L
- Electric Power : 380V 3P 50/60Hz (Basic)
(Changeable by customer's requirement)
- Including Vacuum Pump (Water sealed type)
- Material
Contact Parts : STS316L &
Food Grade Material

COLOR MIXER



- Capacity : 250L ~ 400L
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L &
Food Grade Material

PIGMENT MIXER



- Capacity : 5 ~ 10L
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L &
Food Grade Material

GELATIN SERVICE TANK



- Capacity : 250L, 300L, 400L
- Electric Power : 220V 1P 50/60Hz
- Material
Contact Parts : STS316L &
Food Grade Material

CAPSULE SHELL PREPARATION SYSTEM

VEGE GEL MELTING TANK



CHARACTERISTICS

- All contact part STS316L
- Open Top(Lid) Type
- Double Mixing System
(High Speed Mixer & Low Speed Agitator)
- Easy Cleaning
- Including Vacuum Pump (Water sealed type)
- Heating Source: Electric Heater

SPECIFICATIONS

- Capacity(Working Capacity)
450(200)L, 600(300)L
- Electric Power : 380V 3P 50/60Hz (Basic)
(Changeable by customer's requirement)
- Including Vacuum Pump (Water sealed type)
- Material
Contact Parts : STS316L &
Food Grade Material

VEGE GEL PRE-MIXER



CHARACTERISTICS

- All contact part STS316L
- It is used to mix the material
(Starch, Carrageenan) with water(or Glycerin) before
added to Vege Gel melting system.

SPECIFICATIONS

- Capacity : 100L ~ 300L
- Electric Power : 380V 3P 50/60Hz (Basic)
(Changeable by customer's requirement)
- Material
Contact Parts : STS316L &
Food Grade Material

CAPSULE CONTENTS PREPARATION SYSTEM

MIXING MACHINE



- Capacity : 300L, 800L
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L

VACUUM MIXING MACHINE



- Capacity : 300L, 800L
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L

COLLOID MILL



- Capacity : 70 ~ 900 kg/H
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L
Stone Mill : Al₂O₃

SIEVE (with Scraper)



- Screen Size: 60 Mesh
- Electric Power : 220V 1P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L &
Food Grade Material

MEDICINE TRANSFER PUMP



- Capacity : 0.11 l/1rev
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L

MEDICINE SERVICE TANK & STIRRER



- Capacity : 300L, 600L, 800L
- Electric Power : 220V 1P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L

DRYING CAPSULE

INDIVIDUAL (BATCH) TUMBLE



CHARACTERISTICS

- Programable Speed Control by PLC
- Good shaped Capsule after drying.
- Uploading Weight up to 130kg
- Contact Parts: STS316L & Food Grade Material

SPECIFICATIONS

- Capacity : 80,000 capsules with 20 Oblong
- Electric Power : 380V 3P 50/60Hz (Basic)
(Changeable by customer's requirement)
- Material
Contact Parts : STS316L & Food Grade Material

DRYING TRAY & DOLLY



SPECIFICATIONS (TRAY)

- 1000Caps(#20Oblong)/1 tray
- Material : PP (Poly Propylene)

SPECIFICATIONS (TRAY)

- Capacity : 50 Trays / 1 dolly
- Material
Body : STS304
Wheel : PU with zinc plated steel bracket

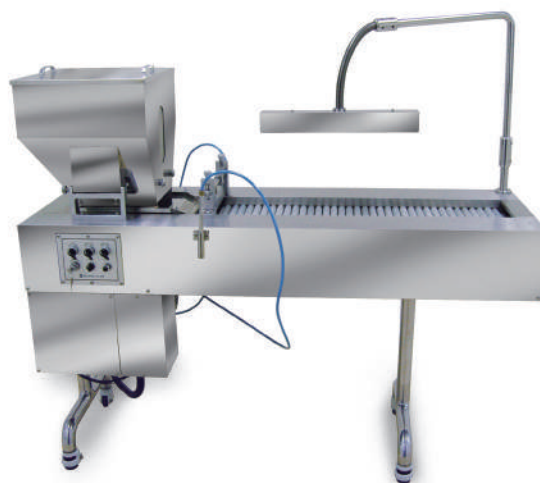
SORTING, INSPECTION, POLISHING & RECYCLING

CAPSULE SORTING MACHINE



- Capacity : 100,000 ~ 500,000 Caps/1HR
- # of Track: 4, 6, 8 Tracks (Option)
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L
Roller : SS41 with Hard Chrome Coating

INSPECTION MACHINE



- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Roller : Aluminum Bar (Teflon Coating)

POLISHING MACHINE



- Capacity : 40,000 capsules with 20 Oblong
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : Contact Parts : STS316L &
Food Grade Material

INSPECTION MACHINE



- Recycling the medicine from rejected capsules
- Electric Power : 380V 3P 50/60Hz
(Changeable by customer's Option)
- Material
Contact Parts : STS316L

R&D SCALE EQUIPMENTS FOR MAKING SOFT CAPSULE

MODEL : BCM-R&D(GB3)



GELATIN MELTING TANK



GELATIN SERVICE TANK



CAPSULE SIZE & SHAPE

Oblong



3 Oblong
minims : 2.3 - 3.0
cc : 0.142 - 0.185



4 Oblong
minims : 3.0 - 4.0
cc : 0.185 - 0.246



5 Oblong
minims : 4.0 - 5.0
cc : 0.246 - 0.308



6 Oblong(2)
minims : 5.0 - 6.0
cc : 0.308 - 0.370



8 Oblong
minims : 6.5 - 8.0
cc : 0.400 - 0.493



9 1/2 Oblong
minims : 7.5 - 9.5
cc : 0.462 - 0.585



11 Oblong(1)
minims : 8.5 - 11.0
cc : 0.524 - 0.678



11 Oblong(3)
minims : 8.5 - 11.0
cc : 0.524 - 0.672



14 Oblong
minims : 12.5 - 14.0
cc : 0.770 - 0.862



16 Oblong
minims : 14.5 - 16.0
cc : 0.862 - 0.986



20 Oblong
minims : 16.0 - 20.0
cc : 0.986 - 1.232



22 Oblong
minims : 18.0 - 22.0
cc : 1.109 - 1.355



24 Oblong
minims : 20.0 - 24.0
cc : 1.232 - 1.478

Round



1 Round
minims : 0.75 - 1.0
cc : 0.046 - 0.062



2 Round
minims : 1.2 - 2.0
cc : 0.074 - 0.124



3 Round
minims : 2.2 - 3.0
cc : 0.136 - 0.185



4 Round
minims : 2.8 - 4.0
cc : 0.172 - 0.246



5 Round
minims : 3.2 - 5.0
cc : 0.197 - 0.308



6 Round
minims : 4.6 - 6.0
cc : 0.283 - 0.370



7 Round
minims : 5.0 - 7.0
cc : 0.308 - 0.431



9 Round
minims : 7.0 - 9.0
cc : 0.431 - 0.554



15 Round
minims : 12.0 - 15.0
cc : 0.740 - 0.925



20 Round
minims : 15.0 - 20.0
cc : 0.925 - 1.230

Oval



2 Oval
minims : 1.5 - 2.3
cc : 0.092 - 0.142



3 Oval
minims : 2.4 - 3.0
cc : 0.148 - 0.185



4 Oval
minims : 3.1 - 4.0
cc : 0.191 - 0.246



4 Oval(2)
minims : 3.1 - 4.0
cc : 0.191 - 0.246



5 Oval
minims : 4.3 - 5.0
cc : 0.265 - 0.308



6 Oval
minims : 5.2 - 6.0
cc : 0.320 - 0.370



7 1/2 Oval
minims : 6.2 - 7.5
cc : 0.382 - 0.462



8 1/2 Oval
minims : 7.0 - 8.5
cc : 0.431 - 0.524



10 Oval
minims : 7.5 - 10.0
cc : 0.462 - 0.616



12 Oval
minims : 8.3 - 12.0
cc : 0.511 - 0.739



16 Oval
minims : 12.4 - 16.0
cc : 0.764 - 0.986



20 Oval
minims : 17.0 - 20.0
cc : 1.047 - 1.232

Tubs



8 Tubs
minims : 6.0 - 8.0
cc : 0.370 - 0.493



17 1/2 Tubs
minims : 15.0 - 17.0
cc : 0.924 - 1.047



30 Tubs(1)
minims : 27.0 - 32.0
cc : 1.663 - 1.971



6 Suppository
minims : 5.0 - 6.0
cc : 0.308 - 0.370



10 Suppository
minims : 7.0 - 10.0
cc : 0.430 - 0.620



17 Suppository(1)
minims : 15.0 - 20.0
cc : 0.924 - 1.232

Suppository



8 Twist-off
493ml

Twist-off

MEMO



BOCHANG CO., LTD.

22, Oksan-ro 289beon-gil, Ojeong-gu, Bucheon-si, Gyeonggi-do, Korea

TEL : 82-32-684-3068 FAX : 82-32-684-3069

www.bochangmc.com E-mail : sales@bochangmc.com / bochang3068@gmail.com