

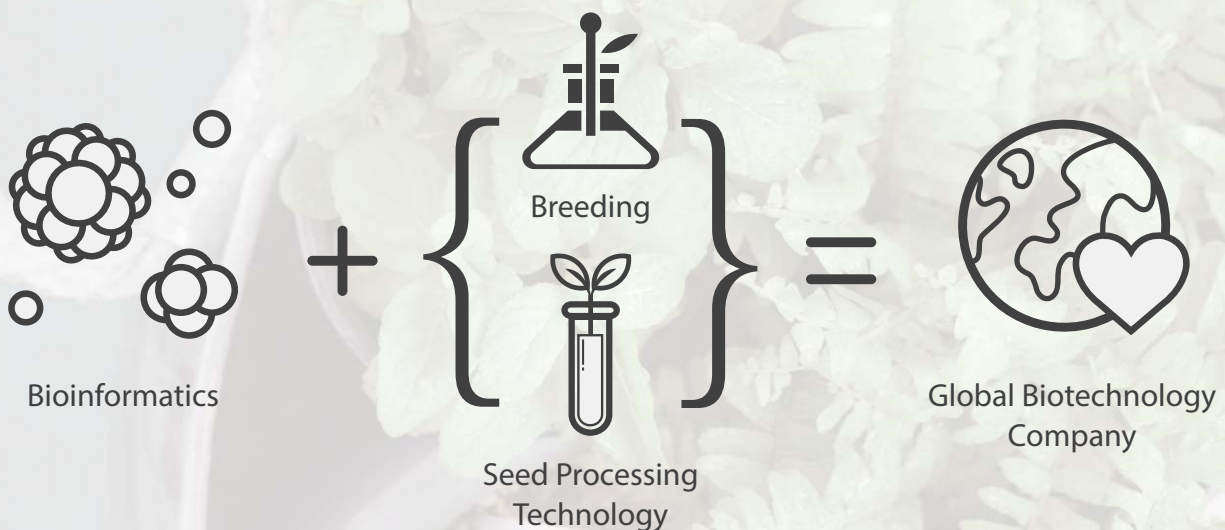
{Omicosis}[®]

*Easy planting for your
happy & healthy life!*

**Omicosis, Inc. a global biotechnology company leading
the high-tech industry.**

Omicosis, Inc. is a biotechnology company specializing in bioinformatics.

By using biological resources information, we develop new technologies and products required in many areas including medical and agricultural science. Especially in seed industry market, Omicosis, Inc. is growing as a global company which manufactures innovative products with its patented technologies.



Analysis of Bioinformatics

Developed biomarkers using bioinformation analysis such as genome.

Commercialize tools for human disease diagnosis and biosensors for discrimination of biological species.

- DNA barcode systems for quarantine pest at NPQS (National Plants Quarantine Service)
- Diagnostic probes of plant viruses worldwide at RDA (Rural Development Administration)
- DNA barcode systems of Korean Peninsula at ME (Ministry of Environment)
- Gene systems of the variety of species at NSM (National Science Museum)

Seed Breeding

Biobreeding Research Institute Agricultural Corporation (Subsidiary Company, Ansong)

BAEMOOCHAE : World's First intergeneric hybrid of Chinese cabbage and radish

Contained a high level of sulforaphene which is well known as a functional substance with anticancer and antibacterial properties



- Development of a large number of cabbage, vegetables of cultivation and functional plant varieties.
- Development of molecular markers and new varieties using them.
- Developed NPBT (New Plant Breeding Technology)

The National Private Breeding R&D Park (Kimje) / Plant Biotechnology Laboratory (Gunwi)

Seed Packaging

Seed Packaging Technology

An Innovative Technology in the Seed Industry!

Omicis' patented technology that seeds are specially packaged and processed

- Done simply by putting Seedmo® on the surface of the soil and spraying water
- Used in plant factories, nurseries, urban agriculture, etc

Hold the technology of Seed Inspection !

- Screening Test for Noninvasive good seeds
- Using Optical Tomography Technology
- Quick, easy, accurate selection of good seeds

SEEDMO

Done simply by putting Seedmo® on the surface of the soil and spraying water



- Automates seeding process of small grains
- Enables sowing seeds directly in the growing pots in plant factories
- Facilitates germination by helping the seed stay hydrated
- Eases the distribution and storage of seeds
- Promotes constancy of germination condition
- Saves labor costs for seeding and seedling

Omicis Products



Representative products including SEEDMO®

- Useful for Urban agriculture, Home Gardening, Learning materials and Promotion
- Easy and simple for everyone to use

Cornuco® Easy Gardening

- It is possible to make the flower pot by folding paper, to sow Seedmo® simply and to grow plants at once.
- You can write an observation diary while understanding the plant growth and development.

Component : Seedmo®, Paper Pot(2 pcs), Bed Soil(or Soil Pellets), Observation diary(2pcs), Manual



Cornuco® Farm Bella

- You can raise plants very easily by using Seedmo® which is easy sowing in an eco-friendly plastic pot.

Component : Seedmo®, Eco-friendly Flower pot, Bed soil(or Soil pellets), Observation diary, Manual



Seedmo® Take-out Garden

- It is possible to put the soil in the takeout cup, sow Seedmo® simply and grow plants.
- The take-out carrier can be used as a plant stand by being folded.

Component : Seedmo®, Take-out cup, Bed Soil(or Soil Pellets), Manual



Seedmo® Pack

- It is available for multi-variety and unit packaging of seeds. There are various kinds of Seedmo® that can be sown easily.
- There are various kinds of Seedmo® that can be sown easily.

Component : 4packs (10 seedmo®/pack)



Seedmo® Seedling Starter Kit

- It is a product that can produce seedlings by sowing Seedmo® in a seedling tray.
- It can be used at home or weekend farms.

Component : Seedmo®, Soil Pallets, Tray set



Various SEEDMO®



Vegetables

Red chicory, Sugar chicory, Endive, Red cherry tomato, Yellow cherry tomato, Red kohlrabi, Tatsoi(Vitamin), Green mustard, Rapeseed, Crown daisy, Strawberry, Pak choi, Red radishes, Baby carrots, Coriander, etc.



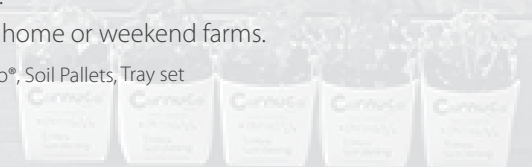
Herbs

Sweet basil, Rucola, Chamomile, Catnip, etc.



Flowers

China Pink, Marguerite, Statice, etc.



**Omicis
Home & Garden**



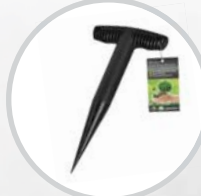
Garden Tools



Garden Tools
T-403-B



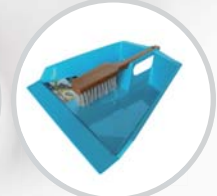
Garden Tools
T-407-G



Garden Tools
T-407



Garden Tools
T-457



Garden Tools
T-806-B

Kid's Tools



Kid's Tools
W-520-A



Kid's Tools
T-408-C



Kid's bucket
W-620

Multipurpose scoops



Multipurpose scoops
T-506-1



Multipurpose scoops
T-620-CB



Multipurpose scoops
T-640



Multipurpose scoops
T-607



Multipurpose scoops
T-602-A

Watering



Watering Ball
W-636



Hose hanger
W-627

Others



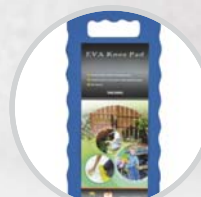
Spreader
8-203



Plant support
L-333



Garden Mat
X-036



knee pad
E-863

Description of Omicis's Drystore

- Store and keep dry seeds, edible products, non edible products, etc.
- Humidity, Antibacterial
- Use of non toxic drying substance: drying beads made of purified mineral matter
- Lower the air Relative Humidity(RH) to less than 5%
- Built-in sensor
 - Continuous monitoring of the drybox (temperature/humidity)
 - Set up and maintain the optimized conditions according to user's purpose
 - : Replace or add beads depending on condition and capacity of seed storage temperature/ humidity level
- Optional: material type(plastic/drum), capacity (1.6L, 8.4L, 16L, 50L, 100L) of the container

Plastic Drybox®



Drybox1.6L



Drybox8.4L



Drybox16L



Composition : Drybox®(1pc),
Drying beads, Net bag(1pc),
sensor(1pc), instruction

DrumDry®



Drying Beads

Hygroscopic ceramic material that absorbs water molecule in tiny pores

- Nontoxic, Food grade
- Cost effective compared to low-temperature storage
- Available for maintaining the moisture at any temperature
- High hygroscopicity compared to other materials such as silica gel (absorbing water even at low humidity)
- Semi permanent use: restore and reuse after being baked without ability loss, use longer than other drying materials



Vertical Growing Barrel Barrel VEGE TREE



Soil-Less Vertical Aeroponic Growing System for Plant Factory



- Simple assembly/disassembly: Modular stackable system, simple and easy
- Expandable multi-stage to fit user's preference and capacity
- Cost effective, high yield per available area
- Flexible installation: saves initial facility costs
- Easy to store and transport per each part
- Consisting of durable materials
- Drip Irrigation / Aeroponics
 - Use sprinkler / spray nozzle, substrate
 - Plant nutrition, water saving

History

- 2017 - Certified as a technical evaluation by NICE (National Information & Credit Evaluation)
- Moved in a Branch in Gyeongbuk Technopark (established branch office)
- Moved in a Research Institute in Gyeongbuk University Eco Center (established R&D center)
- Moved in a Research Institute in the national private breeding R&D park, Kimje
- 2016 - Selected as a Promising Small and Medium Enterprise by Daejeon City
- Obtained certification for the best-value company by the Korea Credit Guarantee Fund
- Selected as a company to be housed in the national private breeding R&D park
- Registered as a seed business at Korea Seed & Variety Service (three parts including vegetables, flowers and other crops)
- 2015 - Appointed as a company for substituting military service for master doctorate researchers by the Military Manpower Administration of Korea
- Established Seoul branch office (Daechi-dong, Seoul)
- Established Research Institute Spin-off Company, TreenLink, Inc. with Korea Advanced Institute of Science and Technology (KAIST)
- Selected as 2015 global startup technology development business of TIPS by the Small and Medium Business Administration of Korea
- 2014 - Certificated as a Farmers and Merchants Convergence company by the Ministry of Agriculture, Food and Rural Affairs of Korea and the Small and Medium Business Administration of Korea
- 2012 - Received a silver prize for its patent and design at the Seoul International Invention Fair
- Obtained certification for the Industrial R&D center (from the Korea Industry Technology Association)
- Selected as a company that perform total support project for technology commercialization from Daejeon City
- Obtained the Excellent Invention-First purchase Recommendation Certificate from Korea Invention Promotion Association
- 2011 - Received a bronze prize at the Korea Invention Patent Exhibition
- Selected as a good design (acquired the GD mark) by the Ministry of Knowledge and Economy of Korea and the Korea Institute of Design Promotion
- Selected as a Promising Small and Medium Enterprise by Daejeon city
- Chosen as a star company by the Daejeon Techno-park Property Foundation
- 2010 - Had its factory registered by the Ministry of Knowledge and Economy of Korea (inside the Korea Research Institute of Bioscience)
- Granted as a company to be housed in the Daeduck Research & Development Area of the Ministry of Knowledge and Economy of Korea
- 2008 - Received Excellence award (Minister Prize) at the Venture Start up Contest of the Ministry for Food, Agriculture, Forestry and Fisheries
- Awarded the Best Technology Entrepreneur Package (Daejeon, Chungnam Regional Small & Medium Business Administration)
- Achieved ISO 9001 / ISO 14001 (Quality and Environmental Management System) Certification and approved as a start-up by the Korea Technology Finance Corporation
- Obtained certification for R&D service business recognized by the Ministry of Education, Science and Technology, number one in bio information field
- Founded Omicis, Inc. in February (inside the Bio Venture Center of the Korean Research Institute of Bio Science)

IP

SEEDMO® Seed Packaging 27 International Patents, Design, Trademark



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	Gimje Branch Office	6 Research Center, 196-21, Hwajeong-ro, Baeksan-myeon, Gimje-si, Jeollabuk-do, Korea
	Gunwi Office	#307, 1610, Chisanhyoryeong-ro, Hyoryeong-myeon, Gunwi-gun, Gyeongsangbuk-do (Eco Center in Gyeongbuk University)
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Development and manufacturing Omicis	Seed Registration No.	Daejeon-Yuseong-2016-10-01 (Vegetable) / Daejeon-Yuseong-2016-30-01 (Flowers) / Daejeon-Yuseong-2016-70-01 (Others)
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BAEMOOCHAE

BAEMOOCHAE

It is the first new variety of vegetables in which crossed intergeneric hybridization of radish and Chinese cabbage.

* Intergeneric Hybridization : How to hybridize between different organisms (like Chinese cabbage, radish), not intramuscular hybrids such as Chinese cabbage and radish.



- **BAEMOOCHAE is not GMO.**
- Baemoochae contains a large amount of substances, sulforaphen, which has excellent antibacterial and anticancer ability.
- Compared with Chinese cabbage and radish, BAEMOOCHAE has more protein, sugar and fiber content, mineral and vitamin.
- BAEMOOCHAE resembled both Chinese cabbage and raddish :
The upper part of the leaf looks like Chinese cabbag while the lower part is similar to radish.

How to Grow

- Available for harvesting in 30 days after sowing as a leaf picking
- Harvest at 35-45days after cultivating the middle size of BAMOOCHAE at intervals of 12-15cm spacing
- Cultivate as a cabbage in autumn for the large size of BAMOOCHAE
- It is vulnerable to pests, but strong to disease

Use of BAEMOOCHAE



Awards

The 1st Agrigento Awards

By MAFRA(Ministry of Agriculture, Food and Rural Affairs), AT(Korea Agro-Fisheries Trade Corporation), Maeil Business Newspaper, and MBN

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