



地天泰

Tetanti AgriBiotech Inc.

LESS TIME, MORE SPACE

TTT[®] Technology

3 hours only!

Organic waste → Organic fertilizer
Leader of “Enzyme Composting”

From soil
Return to earth



Founder / Inventor



Academician
Dr. Chiu-Chung Young

► Current Positions

Academician, Division of Life Science, Academia Sinica
Chair Professor, Department of Soil & Environmental Sciences, National Chung Hsing University
Executive Director of Chinese Sustainable Agriculture Association
Director of Chinese Fertilizer Association
Supervisor of Agricultural Society of Taiwan
Supervisor of the Chinese Society of Soil and Fertilizer Sciences

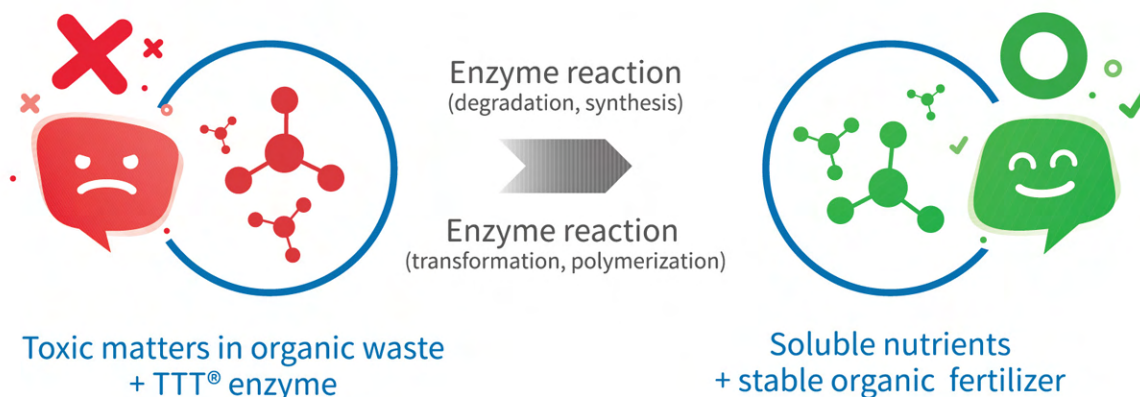
► Honors

The Executive Yuan: Outstanding Achievement Award in Science and Technology, First Class Service Medal
Ministry of Science and Technology (National Science Council): Outstanding Research Award (five consecutive times), Outstanding Special Research Fellow Award, 50 Scientific Achievements, Academic Pioneer, Taiwan's 10 Coolest Technology Innovation Awards, Future Technology Breakthrough Awards
National Chung Hsing University: Distinguished Alumnus, Distinguished Faculty of Life Sciences, Distinguished Faculty of Agronomy
The Phi Tau Phi Scholastic Honor Society: Outstanding Achievement Award
Scientific Committee on Problems of the Environment: 1st Lifetime Achievement Award on Environmental Science.

► Expertise

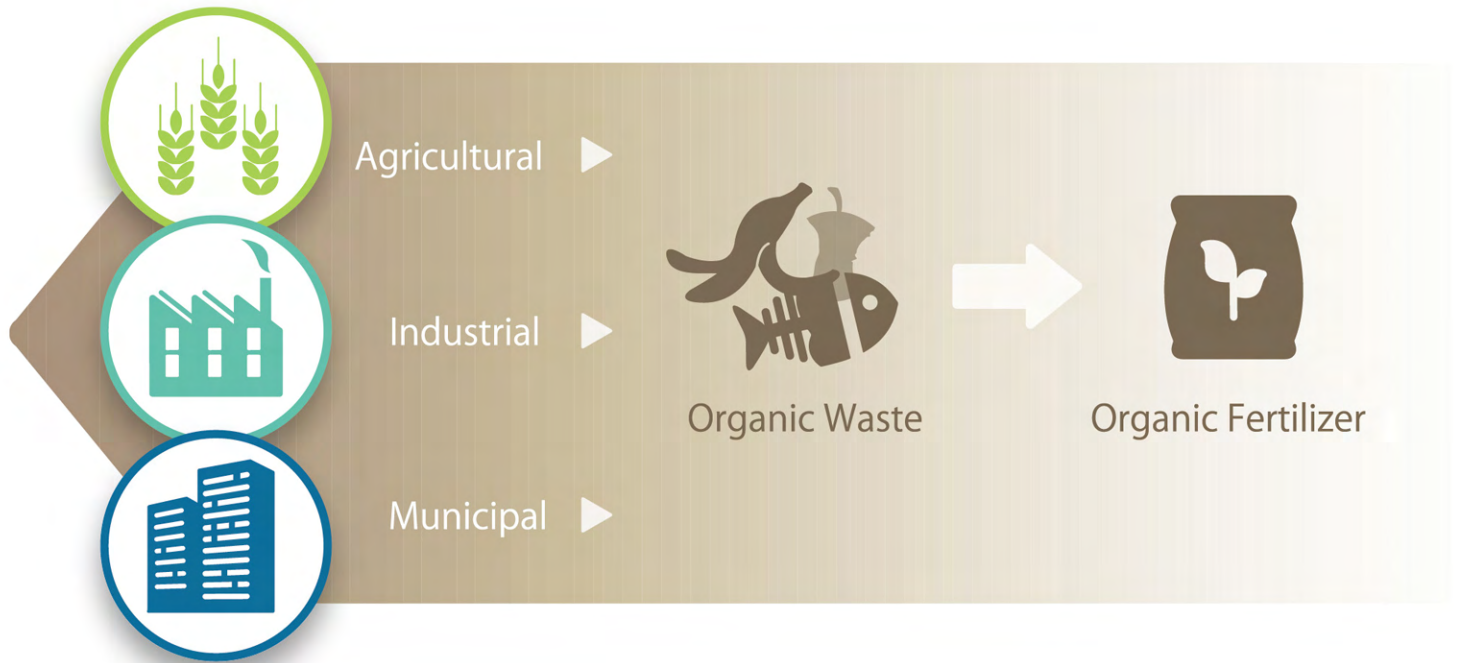
Soil environmental microorganisms and biochemistry
Biological and organic fertilizers
Soil fertilizer and crop relationship

TTT[®] Technology



Toxic matters in organic wastes are detoxified and deodorized through the degradation, synthesis, transformation and polymerization reactions by patented TTT[®] enzymes. At the same time, pathogens, insect eggs and grass seeds are mostly exterminated at 80°C (at least 30 minutes). TTT[®] Technology produces stable and high-quality organic fertilizers within 3 hours.

Application



Enzyme

▶ Poultry or livestock manure

- Layer manure (egg chicken)
- Broiler manure (meat chicken)
- Swine manure
- Cow, horse, sheep manure
- Other manure



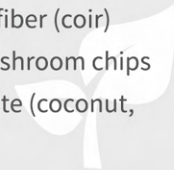
▶ Kitchen waste

- Vegetable waste (solid)
- Cooked waste (solid)



▶ Plant residue

- Straws, husk, green waste, bagasse
- EFB, coconut fiber (coir)
- Wood and mushroom chips
- Plant and waste (coconut, vinasse)



▶ Sludge

- Alkaline sludge
- Neutral and acidic sludge



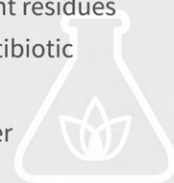
▶ Animal related

- Animal carcasses and organs
- Feather waste

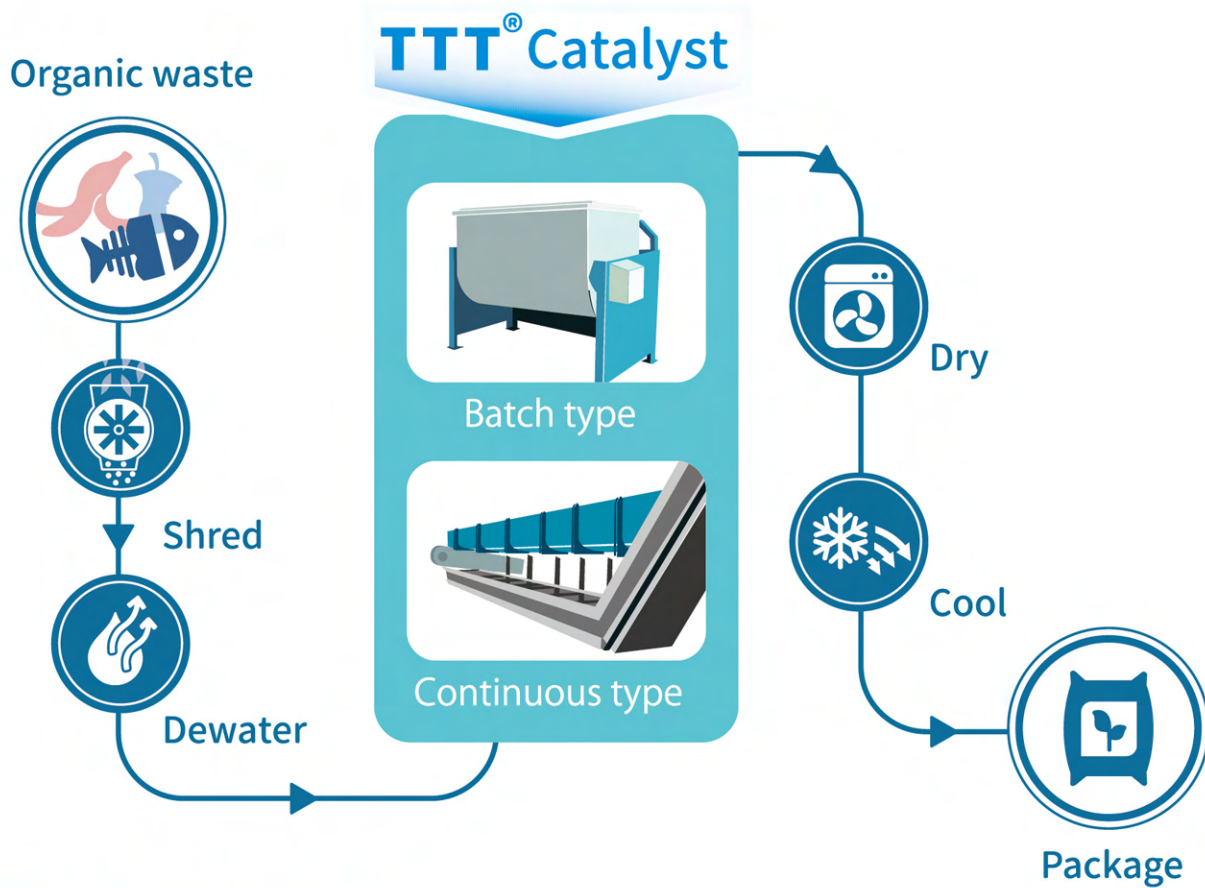


▶ Others

- Medicinal plant residues
- Residue of antibiotic production
- Liquid fertilizer



Work flow



Equipment

Batch type

Maximum daily processing capacity (MT)	16	32	80	160
Volume (m ³)	5	10	25	50
Dimension (mm)	4130 × 1484 × 2966	4130 × 3150 × 2808	8027 × 3400 × 4480	8027 × 5400 × 4480
Power consumption (kW)	62	100	135	270

Continuous type

Maximum daily processing capacity (MT)	250
Area requirement (m ²)	1200
Heating source	RDF / Gas

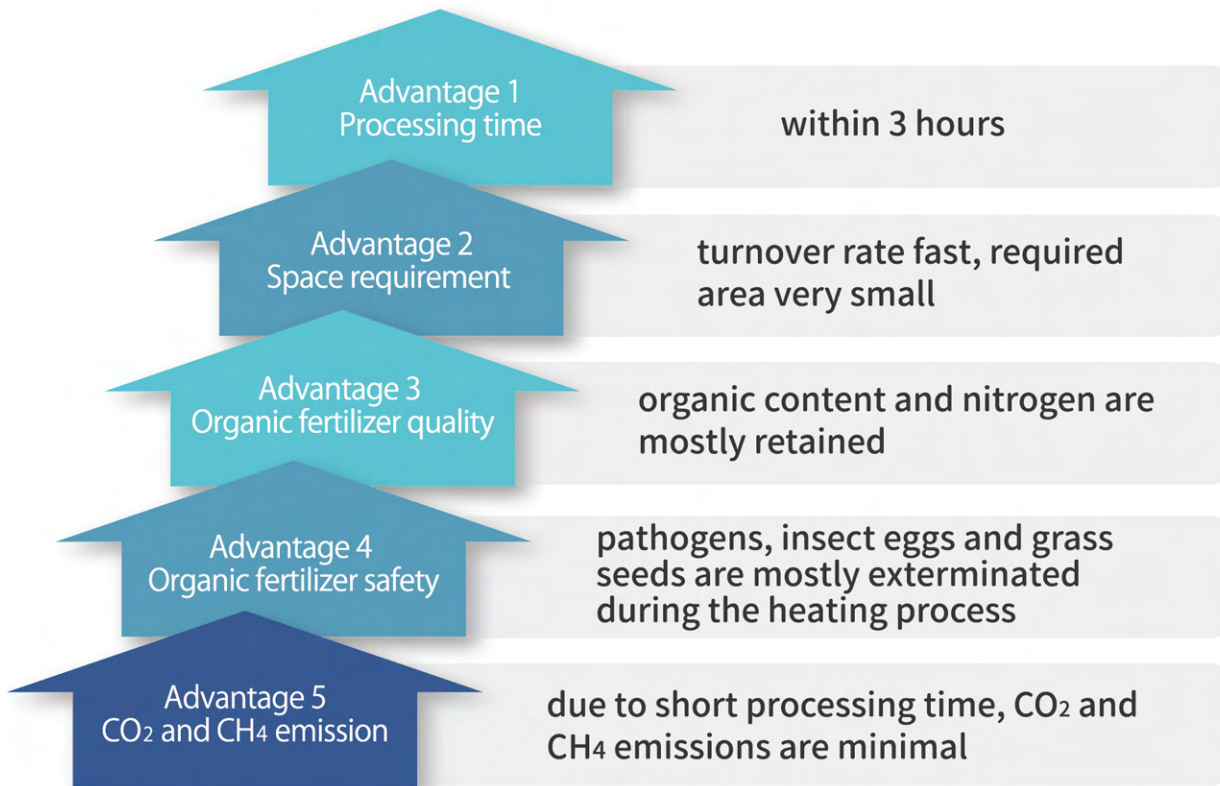


Batch type



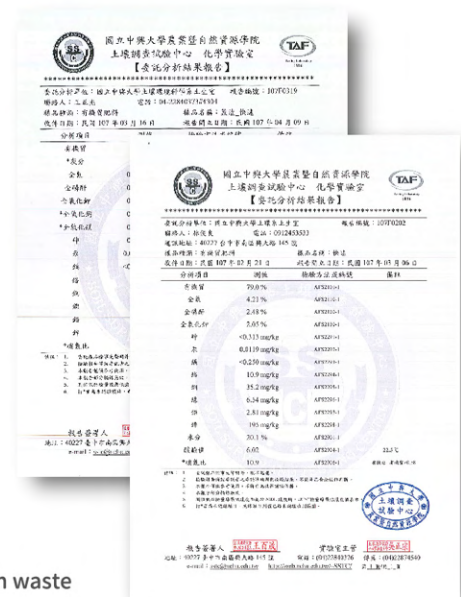
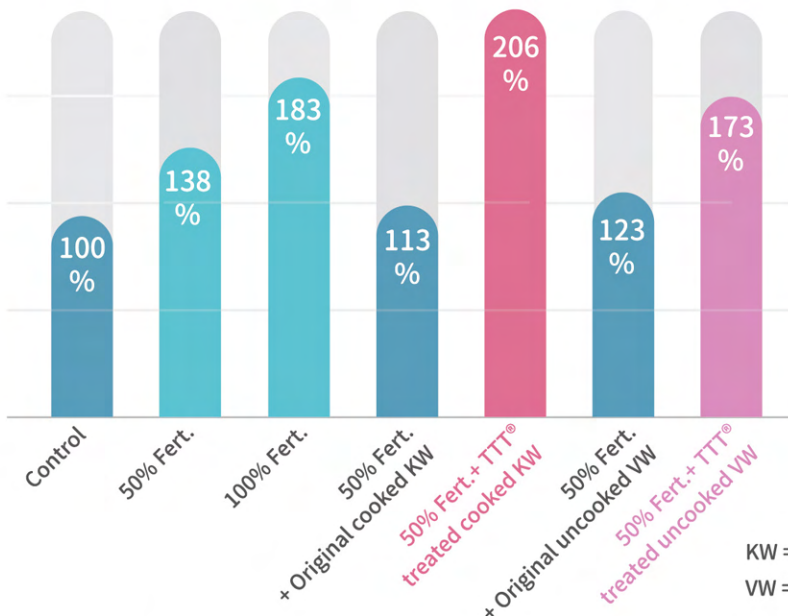
Continuous type

Advantages of TTT® Technology



Scientific verification / Examination report

The organic fertilizers made from TTT® Technology increase crop growth and reduce chemical fertilizer usage



● The origin and contents of KW and VW may defer and affect field test results.

Social responsibility

With solving agricultural and environmental issues as our vision, recycle agriculture as the core concept, and with the consolidation of numerous exceptional research outcomes and innovative technologies, our team's ultimate value is to accomplish the rehabilitation of our soil and achieve environmental recycling as a whole.

Organic recycling ▶ Radical solution ▶ TTT



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