



**5 BIOLOGICAL PROCESSES
SUTCO® RECYCLING TECHNOLOGY**

**WE GET
THE BEST OUT**

**5 BIOLOGICAL PROCESSES
SUTCO® RECYCLING TECHNOLOGY**

www.sutco.com



Sutco® global
Brazil
Germany
England
Poland
Romania
Sweden
Singapore
Spain

SUTCO® IN FIGURES

WE TAKE RESPONSIBILITY.

With more than 500 exemplary plants worldwide, Sutco® RecyclingTechnik GmbH is one of the largest international manufacturers of sorting and treatment plants for waste management. For more than 40 years, the plant manufacturer has been involved in the development of mechanical and biological waste treatment technologies with the central aim of closing material cycles.

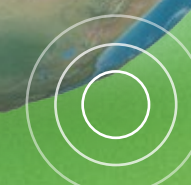
40
years' experience



500
showcase plants



11
sites worldwide



WE GET THE BEST OUT.

With our ultra-modern technologies and more than 40 years of recycling knowledge, we let our national and international customers combine economy and sustainability. With our recycling concepts, we get the best out for you.



Process technology

SUTCO® WENDELIN THE NEW GENERATION

WINDROW COMPOSTING

The WENDELIN windrow turner has been developed for the aerobic treatment of large quantities of organic waste.

ADVANTAGES

Efficient treatment method
for biological waste

Throughput of
20.000 to 100.000 Mg/a

The construction kit system allows
optimal spatial exploitation

24/7 operation through
innovative plant control

Flexible in use and
robust in processing



Process technology

SUTCO® BIOFIX THE ALL-IN-ONE SYSTEM

BIOWASTE COMPOSTING

In biowaste composting, separately collected organic waste is treated.

ADVANTAGES

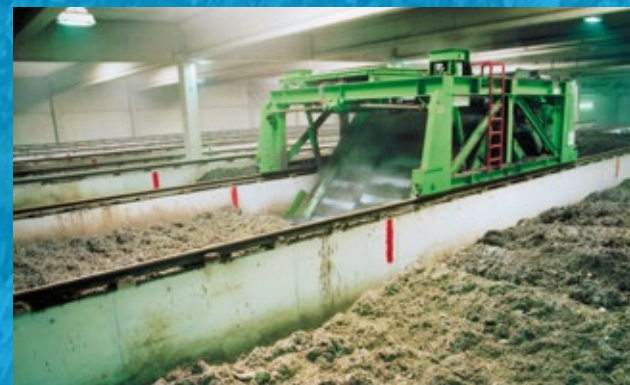
Fully automated, dynamic
rotting process

Actively ventilated rotting lines

High quality exhaust air treatment

Integrated irrigation system
for moisture regulation

Separate treatment of different
organic wastes possible



Process technology

SUTCO® ROTTING SYSTEMS LONG-LIVED AND EFFECTIVE WITH THE BIODEGMA® TECHNOLOGY

OPTIMISED WASTE TREATMENT

The BIODEGMA® technology offers robust and long-lived solutions for an optimised aerobic waste treatment process.

ADVANTAGES

Efficient odour reduction through the use of semi-permeable Laminat Gore® cover

High efficiency through low maintenance and operating costs

Energy-efficient pressure ventilation

High availability through modular design

Safe and simple to handle and operate

Wide application: Waste stabilisation, composting of selectively collected kitchen waste, stabilisation of sewage sludge, biological drying of waste.

Process technology

SUTCO® ROTTING SYSTEM WELL THOUGHT OUT

TUNNEL COMPOSTING WITH ROTTING SYSTEMS BY SUTCO®

In tunnel windrows, the rotted material is spread between reinforced steel walls after it has been shredded and sieved by mechanical treatment.

ADVANTAGES

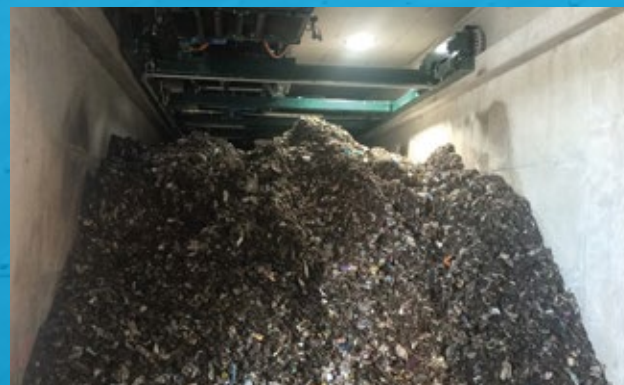
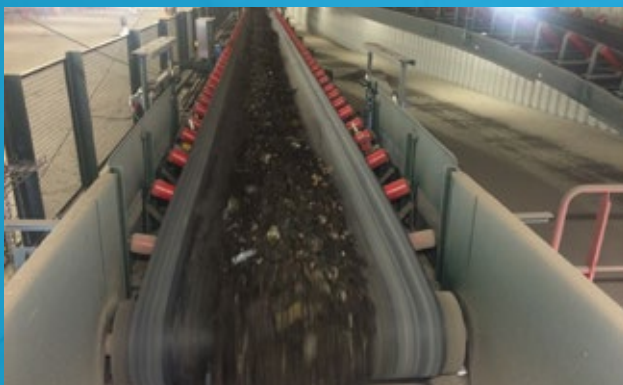
Flexible through separately enclosed units

Emissions are effectively held back

Automatic input system for rapid filling

Optimum process control until discharge to the secondary rotting system

Minimum staffing requirements



Process technology

SUTCO® BIOPV HIGHLY EFFICIENT SOLUTIONS

HIGH PROCESSING CAPACITY

BIOPV (Biowaste press water fermentation) is a process that markedly improves the energy balance and processing capacity of composting plants.

ADVANTAGES

Separation of organic components
for biogas generation

Low technical expenditure

Maximum gas derived from the
compressed liquid phase

Highly efficient fermentation
in biofilm fermenters

Efficient energy exploitation based on
the excellent use of space and time



WENDELIN

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- Suitable for a wide range of organic wastes
- High performance technology for large throughputs
- Completely closed system with maximum emission control
- Dynamic process for best decomposition results
- High area efficiency
- Fully automated process

BIOFIX

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- Suitable for all types of organic waste
- Medium and high throughput capacities
- Fully closed system with maximum emission control
- Dynamic process for best stabilisation results/ product qualities
- High area efficiency
- Fully automated process: automatic loading and unloading, watering, aeration and turning

BIODEGMA®

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- Suitable for all types of organic waste
- Modular design with high flexibility in design capacities
- High flexibility to meet different legal and economic framework conditions
- Low investment costs
- Static process with low operating costs
- Low energy consumption, low maintenance costs

TUNNEL

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- Suitable for all types of organic waste
- Modular design with high flexibility in design capacities
- Completely closed system with high emission control
-
- Static process with low operating costs
-

BIOPV

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- Waste to Energy
- Low specific investment
- High space load
- Gas yield with high CH4 content
- Easy maintenance
- High flexibility in throughput

OUR LOCATIONS WE GET **THE BEST** OUT

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