

# The BACKHUS Lane Turner System

Maximum efficiency in the fields of:

## Composting

(organic fraction from household waste, biological waste)

- Max. decomposition of biologically and aerobically degradable dry organic substances
- This process results in a biologically stable end product
- Compost rich in humus in the case of composting of biological waste
- Deposit with low breathability in the case of composting of an organic fraction of household waste
- The reduced biological activity is due to the decomposition of the dry organic substance during the composting process

## Biological drying (organic fraction or household waste)

- Max. discharge of water from the input material using the heat released during the aerobic biodegradation of the dry organic substance
- This process results in a dry and stabilized end product
- Subsequent mechanical treatments (screening, sifting, etc.) are possible
- The reduced water content increases the calorific value of the material
- The stabilization and the reduced biological activity is due to the significantly lower water content of the material during the drying process

## Composting of sewage sludge

- Fast drying and hygienization of the sewage sludge
- Generation of a product with a reduced volume that is suitable for storage
- The compost from sewage sludge is a stabilized organic fertiliser with a medium nutrient content
- Dried sewage sludge is a free-flowing substitute fuel with a low to medium calorific value

## Soil decontamination

- Continuous homogenizing of the soil by frequent turning
- Breaking of lumps and soil agglomerates to create new surfaces
- Optimized aeration by decompaction of the material
- More efficient distribution of the moisture and prevention of waterlogging
- Improved application and distribution of liquid or granulated substances
- Faster decontamination process due to the maintenance of the best possible conditions
- Improved controllability and handling of the decontamination process

# BACKHUS LT 30 - 50



## Forward Thinking Waste Management -

for enclosed applications and indoor plants. The BACKHUS Lane Turner incorporates the proven plant technology of BACKHUS. It offers high efficiency and turning performance and combines great economy, low maintenance and long life for composting, bioremediation and MSW treatment between lane walls or in tunnels.

- Intelligent waste management for indoor plants
- Tailor made integration into new or existing plants
- Half or fully automatic operation of turner and material flow
- Optional electronic or diesel engine
- Highly efficient material flow and batch process

	Dimensions	Engine	Turning capacity	Lane, Material approx.
<b>BACKHUS LT 30</b>	 mm rotor diameter 1,400	 Electric Engine app. 1x11 kW (15 PS) + 1x110 kW (150 PS)	 up to 800 m³/h	 width: up to 3.0 m height: up to 2.0 m
<b>BACKHUS LT 45 - 50</b>	rotor diameter 1,800	Volvo TAD 8x3 VE 235 kW (320 PS) or Volvo TAD 1371 VE 285 kW (388 PS)	up to 2,000 m³/h	width: up to 4.5 - 5.0 m height: up to 2.2 - 2.7 m



Armoured rotor tools



Half or fully automatic operation of turner and material flow



Easy access for routine maintenance and service



Tailor made integration into new or existing plants