

COMPOST TURNING MACHINES

LIGHTWEIGHT AND
COMPACT.

2.3 METRE TUNNEL WIDTH.
LOW MAINTENANCE COSTS

TURNING CAPACITY:
UP TO 450 m³/h

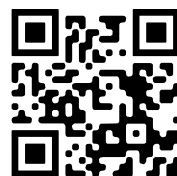
TG 233

HYDRAULIC

FOR COMPACT/TELESCOPIC LOADERS AND TRACTORS FROM 50 HP



With compost turners from Gujer Innotec, you can produce high-quality, aerobic soil nutrients in no time at all.





"Living and working
with nature."

In 1994, we built our first compost turner in Mesikon, Zurich, at Gujer Landmaschinen AG, which until then had only focused on repairs and trade, as there was no model on the market that met our needs. At Gujer Innotec, we constantly focus on technological progress and value quality, ecology and sustainability in order to offer you optimal concepts and machines tailored to your needs.

Renato Gujer

Brief description of the TG 233



The TG 233 is an easy-to-use, mechanically driven compost turning machine – stable and manoeuvrable. Ideal for agriculture, market gardens, organic farms and small municipalities.

Use with skid steer loaders

Composting



**Healthy humus –
healthy plants**

Maintaining high-quality soil requires a little experience and a delicate touch. With the right technique and the right machine, aerobic nutrient-rich humus can be produced in no time at all, resulting in healthy soil, which automatically leads to healthy plants, healthy animals and healthy people.

In addition, humus-rich soil naturally stores CO₂ and thus protects our climate.

Composting therefore nourishes the soil rather than the plants.

Within five to eight years, compost can increase the humus content in the soil from one to up to five percent within five to eight years.



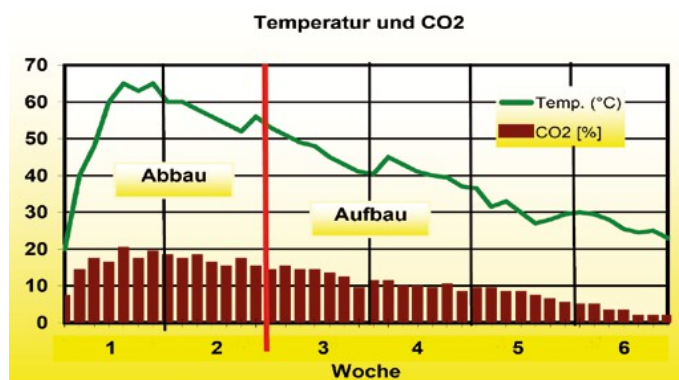
*Perfect crumb structure –
microscopic view*

Turning

We recommend controlled aerobic composting. The oxygen content in the piles should be measured daily. In the Lübke-Hiltebrand process, this is done using a so-called bypass measurement via CO₂. If the CO₂ content rises above 12%, the oxygen content falls below 5% and turning is necessary.

The temperature should not rise above 65°C and the humidity should be between 50 and 60%.

Further information is available in Urs Hildebrandt's compost courses: www.landmanagement.net



Temperature and CO₂ in compost.

TG 233 – your advantages at a glance

Turning capacity from 450 m³/h

Manoeuvrable machines

Low maintenance costs, extremely easy to maintain.

Easy handling, simple operation.

The tunnel's solid steel arch construction provides excellent stability, has no weak corners and the powder coating prevents corrosion.

Wear plates are made of chrome steel.

Robust, balanced turning shaft that turns the material to be composted correctly (from the inside to the outside).

Fast aerobic composting; within 8–12 weeks, depending on the material.

Attachment options:

- Front attachment
- Rear attachment
- Swivelling left or right

Many options can be retrofitted, such as:

- Electric switch valve on turner
- Euro and third-party loader mount
- Hydraulic side shield
- Hydraulic drive wheel with automatic control.
- Water spray bar with 4 impact plates



It is possible to drive over a meadow with a skid steer loader.



Feed signs for clean compost heap edges.

Technical data

TG 233

Throughput capacity up to	450 m³/h
Transfer wave width	2.3 m
Total length in transport position	3.57 -37.7 m
Total width with side shield	1.4 m
Tunnel height, internal dimensions	1.35 m
Ideal working speed	up to 300 m/h
Weight (basic equipment)	800 kg
Rental Width x height max.	2.5 x 1.2 m



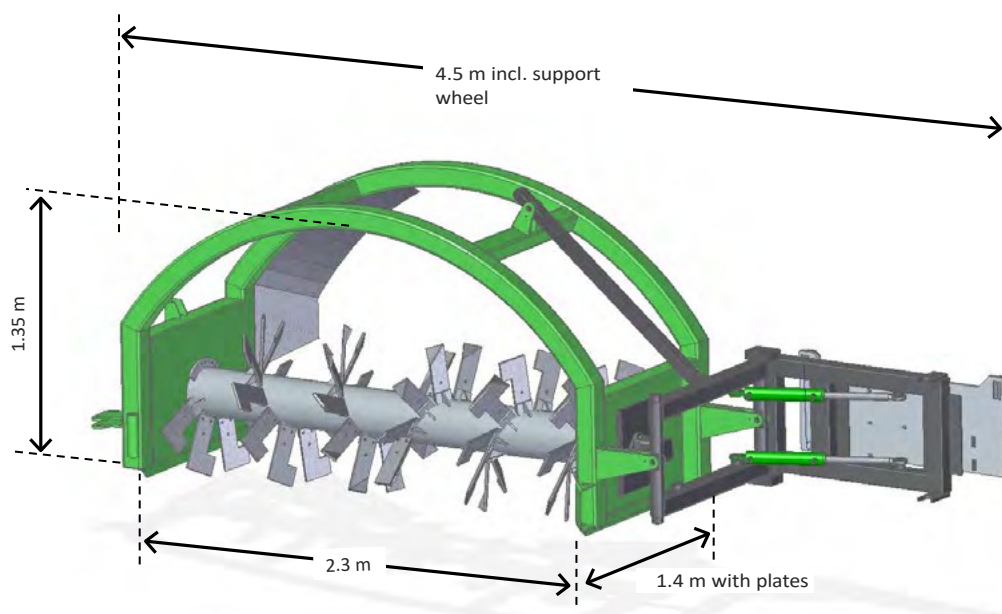
Easy height adjustment so that the roller works close to the ground and no rot layer forms.

Requirements for the drive unit COMPACT/TELESCOPIC LOADERS AND TRACTORS

For drive machines with a total width of up to	2.5 m
Ideal base weight of the drive machine	≥ 3 t
For drive machines with at least	50 hp
Travel speed	< 300 m/h
Working pressure of the drive engine with 2 control circuits: transfer roller/swivelling	min. 200 bar
Hydraulic delivery rate	min. 60 l oil/min.



Various attachment options



Basic equipment TG 233

- Tunnel swivels hydraulically
- Hydraulic direct drive of the transfer shaft
- Direct drive on transfer shaft
- Tunnel with chrome steel sheets
- Large support wheel on the outside of the tunnel
- Mechanical feed plates
- Powder-coated arch construction



The solid steel arch construction ensures a high degree of stability.



A good turning shaft works the material from the inside out. Gentle turning allows the microorganisms to multiply optimally throughout.



*12 mm blade thickness
The balanced shaft ensures a long service life and smooth running.*



Hydraulic direct drive



Wear plates are made of chrome steel.



Transport position



Maximum pile size: 2.5 x 1.2 m, enabling aerobic composting.



Attachment to drive machine



Mechanical feed plates

Options TG233

Hydraulics

Hydraulic variants



Hydraulic drive wheel with automatic control.

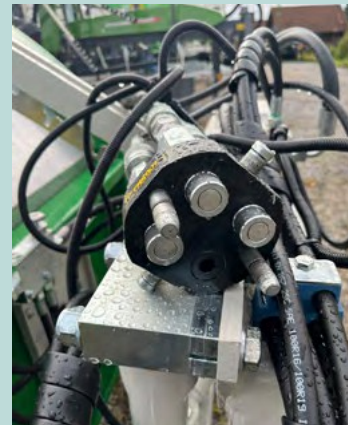


Hydraulic feed blade (image TG 301)

Electro-hydraulic operation



- **Faster including parking bracket**
- **Working pressure for hydraulics must reach at least 200 bar, with at least 60 l oil per min. (with two control circuits: roller/swivel)**



Faster various designs on request

Fleece guide

Fleece underride option



Fleece underride rollers



Fleece guide front/rear

The fleece is brought together in a narrow width so that the gases can escape. This eliminates the need for heavy manual labour with wet fleece.

Irrigation



Water spray bar with 4 impact plates – enquire about irrigation options

Mountings



Various mountings for Euro and third-party loaders

Note:

The purchaser is responsible for country-specific road approval. Please speak to our advisors.



Marcel Stähli
Managing Director

Your contact

Consulting and sales

Renato Gujer
Tel. +41 79 406 68 66
rene.gujer@gujerland.ch

Marcel Stähli
Tel.
marcel.staehli@gujerland.ch

Subject to technical changes.
Images do not always correspond to the basic equipment.
The buyer is responsible for obtaining country-specific approval.

