

COMPOST TURNING MACHINES

LIGHTWEIGHT AND
COMPACT.

SELF-PROPELLED COMPOST TURNERS
WITH PETROL OR ELECTRIC DRIVE

TURNING CAPACITY:
UP TO 300 m³/h

SELF-PROPELLED

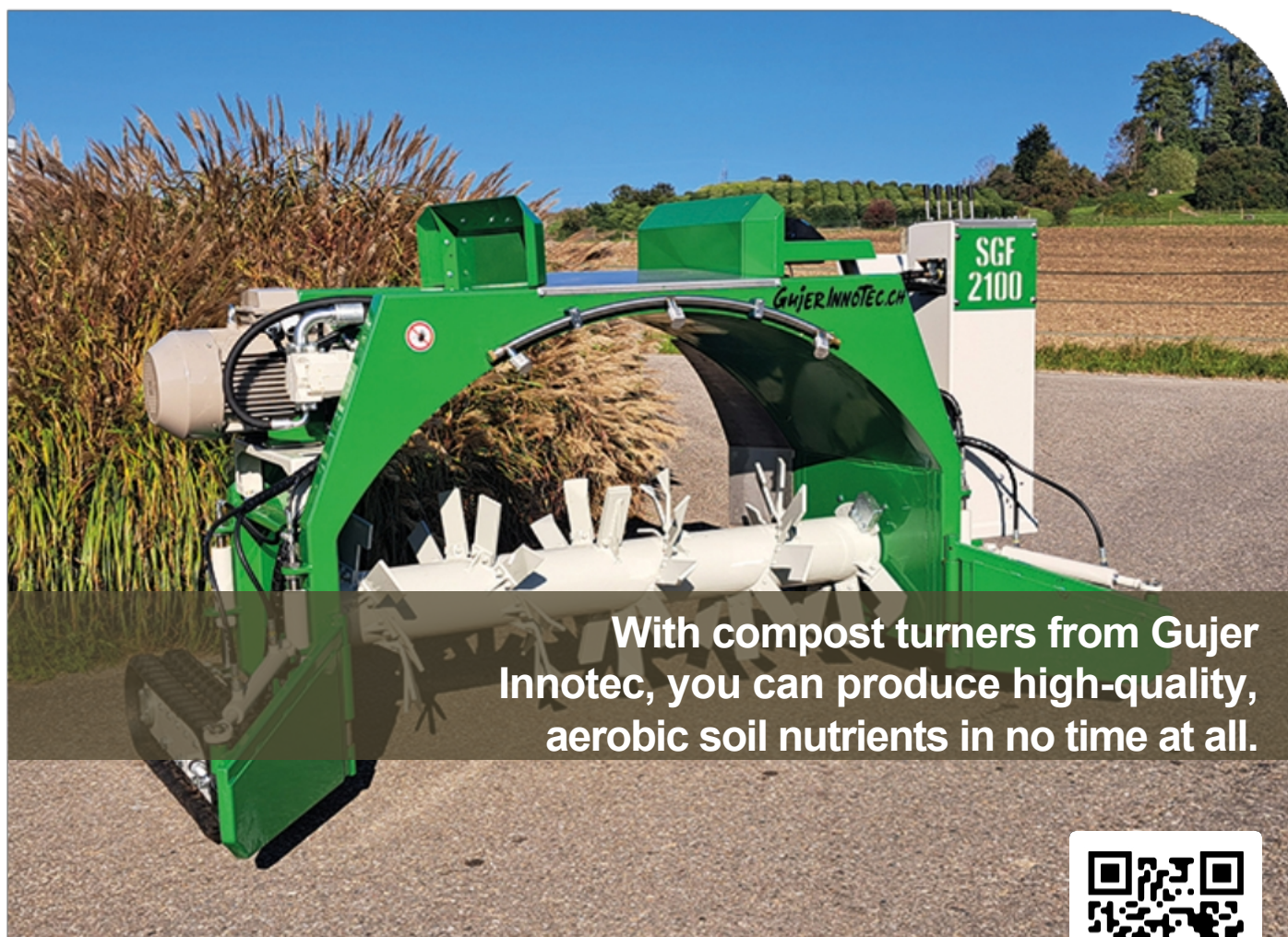
SGF 2100 B

TURNING WHEEL WIDTH 2 METRES

SELF-DRIVING

SGF 2100 E

TRANSFER WAVE WIDTH 2 METRES



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

The small self-propelled machine



This compost turner allows you to turn the optimum amount of compost in the smallest of spaces. Both machines are characterised by their ease of manoeuvring and simple operation. Approximately 1 m³ of material can be turned per running metre.

Ideal for agriculture, nurseries, organic farms and small municipalities with composting volumes of up to 500 tonnes per year.

Composting



Healthy humus – healthy plants

Maintaining high-quality soil requires a little experience and a delicate touch. With the right technology 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 increase from one to up to five percent.



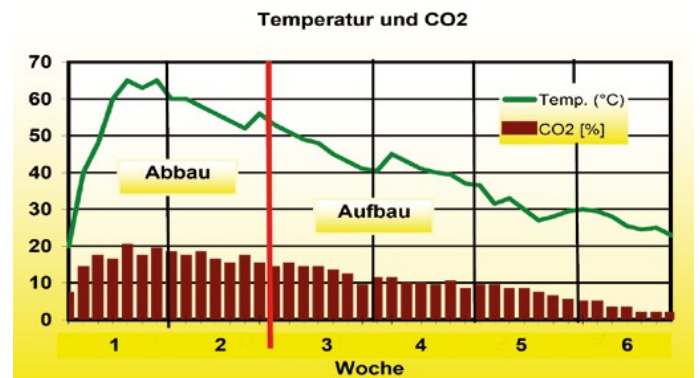
Perfect crumb structure – microscopic view

The conversion

We recommend controlled aerobic composting. The oxygen content in the windrows should be measured daily. In the Lübke-Hildebrand 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.

SGF2100 B& E – your advantages at a glance

The tunnel's solid steel arch construction is extremely stable, has no weak corners and the powder coating prevents corrosion.

Processing capacity up to 300 m³/h

Composting in the smallest of spaces

Low running costs, extremely easy maintenance.

Easy handling, simple operation.

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

Beaters/wear parts for replacement

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

Load sensing hydraulics reduce power loss.

If the SGF 2100 E is powered by electricity from a solar power system, your turning operations will be CO2-neutral.

Many options can be retrofitted, such as:

- Cable reel
- Water hose reel
- Irrigation system on request
- Operating hours counter
- Hydraulic height adjustment (12 cm) and much more



This makes composting quick and easy. This is mainly due to the perfectly functioning turning shaft, which transports the material from the inside to the outside.



Also available for hire in Switzerland!

On request abroad



Collection or delivery – with introduction Ask about the rental conditions

Technical data

SGF 2100 B&E

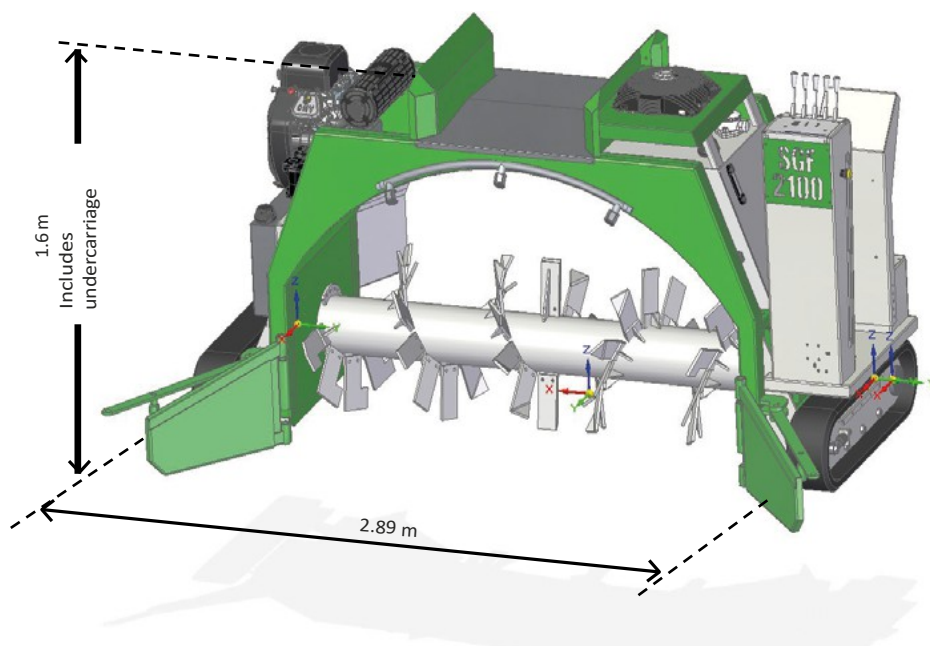
Throughput capacity up to	300 m³/h
Rental width with hydraulic blades up to	2.2 m
Rental height max.	1.1 m
Turning width	2 m
Total width	2.89 m
Overall height	1.6-1.7 m
Tunnel height, internal dimensions	1.15 m
Ideal working speed	max. 300 m/h
Weight (basic equipment)	1200 kg

* Note:

Please consult our advisors for country-specific power supply/connections !

Drive types Variants

Electric motor (32 A connection / 400 V voltage) *	11 kW
Petrol engine 2-cylinder / 1000 cm³	25 kW
Volume per running metre	Approx. 1 m³



Petrol engine 25 kW



Electric motor 11 kW

Basic equipment SGF2100 B&E

- Petrol engine 25 kW
- Electric motor 11 kW (32 A connection)
- Hydraulic system with LS pump
- Hydraulic drive lever control
- Caterpillar tracks
- Hydraulic feed blades
- Stone guard plates on left and right
- Fleece undercarriage



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

12 mm beater thickness with 2 fastening screws. The balanced shaft ensures a long service life and smooth running.



Caterpillar tracks



Drive lever control is held in the set position.



Rental: Width x height 2.2 x 1.1



Hydraulic feed blade on right and left, even with electric drive. (Load sensing hydraulic pump)



Stone guard on left and right.



Emergency stop pedal without electrical installation.

Options SGF2100 B& E

Hydraulics



Easy height adjustment (12 cm) so that the roller works close to the ground and no rotten layer forms. (Load sensing hydraulic pump)

Extras



Operating hours counter



Rubber on the feed plates (for paved areas)



Cable reel up to 80 m for water hose or electric cable reel.

Irrigation

External water connection



The fleece is brought together in a narrow width so that gases can escape. There is no need for heavy manual labour with wet fleece.

Water spray bar with nozzles – enquire about irrigation options



Find out more about our attractive options.



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



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