



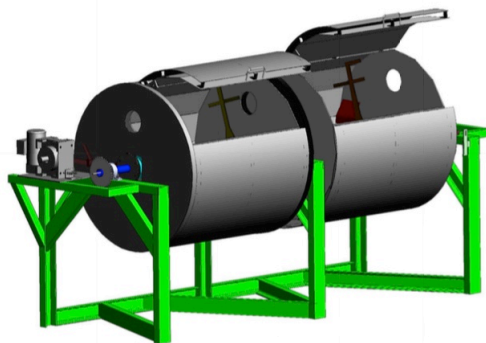
ENRICHING EARTH

EARTH DUO AND CYCLER COMPOSTING MACHINES

COMPOSTER	MAX PROCESSING CAPACITY PER MONTH - INCLUDING CARBON SOURCE	MONTHLY RENT EX VAT (36 MONTH CONTRACT) SOUTH AFRICA ONLY	PURCHASE PRICE EX VAT
Earth Duo	2,000kg	R4,700.00	R130,000.00
Earth Cyclor	5,000kg	R7,600.00	R280,000.00
PV Power Optional		R3,280.00	R47,923.00
TERMS	<p>Purchase: 50% deposit on order. Final 50% prior to delivery. 8 weeks manufacturing time from when deposit is received.</p> <p>Rental: 3 months deposit. 3 year (36 months) agreement.</p>		

MACHINE SPECIFICATIONS

EARTH DUO (OCTOBER 2018)



EARTH CYCLER



Functional Description

A two chamber in-vessel batching composting machine. The first chamber is filled and then the second chamber. When the second chamber is full, the first chamber is ready to discharge, This chamber will then be filled and when full, the second chamber will be discharged.

If data is supplied a dashboard measuring environmental impact of the use of this machine can be built for an additional service fee.

A single chamber flow through in-vessel composting machine where food waste is added to the load side and compost (hot) is discharged at the other end every two weeks.

The Earth Cyclor can be remotely managed and software upgrades can be installed remotely. Dashboard measuring environmental impact of the use of this machine can be built for an additional service fee.

Compost Output and Timing	<p>Depends on time taken to fill each chamber - minimum of two weeks in compost chamber required. This compost will require maturing and finishing, prior to adding to garden.</p> <p>During high season busy periods, pre-compost can be discharged and added to traditional compost heaps or fed to composting earthworms.</p>	<p>Two weeks to discharge active (hot) compost from Cyclor. This compost will require maturing and finishing, prior to adding to garden.</p> <p>Discharge can be added to landscape compost heap immediately after discharge where it will work as an activator within the traditional compost heap.</p>
Electricity input (A/C)	Single phase 220v (solar option available at cost above). Standard South African 3 prong plug.	
Power usage	TBC - but not more than Earth Cyclor.	32kWh per month.
Automation & Measurement	<p>Automated timing cycle.</p> <p>Manual temperature measurement.</p>	<p>Touch panel HMI (Human Machine Interface) with programme links:</p> <ul style="list-style-type: none"> • Full cycle automation. • Load cell weights linked to HMI. • Temperature read out on HMI. • Carbon/Nitrogen matrix input guide and measurement. • Programme can only be changed with password.
Safety	<p>All moving parts have clear and obvious Health & Safety signage.</p> <p>Electrical box locked.</p> <p>Load hatch stops operation when opened via proximity switch.</p>	
Size	L x W x H 2m x 1.0m x 1.5m	L x W x H 3m x 1.5m x 1.5m
Weight	1.6 tonnes	2 tonnes
Working Space Area (on cement slab)	3m x 2m	5m x 3m
Input Method	Manual into open lid (1,000mm).	Option 1: Manual into 400mm hatch. Option 2: Wheelie bin lifter into larger hatch.
Feedstock	<p>All food waste <u>PLUS</u> paper, cardboard or sawdust.</p> <p>Garden waste (especially browns) can also be added.</p>	
Microbe Accelerant	<p>Indigenous microbe mix jointly developed by Earth Probiotic and the CSIR @ 2kg per month.</p> <p>Included in rental. 6 month supply with purchase.</p>	<p>Indigenous microbe mix jointly developed by Earth Probiotic and the CSIR @ 1.5kg per week (6kg per month).</p> <p>Included in rental. 6 month supply with purchase.</p>

SERVICING AND GUARANTEES

Servicing & Maintenance	<p>Both the Cyclor and the Duo have been designed to require minimal maintenance and servicing (lubrication of moving parts).</p> <p>All wearable parts (kept to a minimum) are standard and easily available in any town or city which services the agricultural industry.</p> <p>Local mechanics will be supported and trained on servicing. For major breakdowns, Earth Probiotic will send personnel to attend to and fix the issue.</p>
Purchase Warranty	<p>Earth Probiotic Recycling Solutions (Pty) Ltd warrants all composting machines or parts thereof to be free from defects in workmanship and material within twenty four (24) months from the date of commissioning by the user as a result of normal use and service.</p> <p>Earth Probiotic will replace the part or parts so determined by it to be defective with new parts, at Earth Probiotic's expense. This warranty is exclusive, and there are no other warranties or representations, expressed or implied.</p> <p>This warranty does not apply to cases where, after inspection, the part or parts (mechanical and/or electrical) are determined to have been damaged due to neglect, abuse, overloading, accident, improper usage or deliberate sabotage.</p> <p>This warranty does not apply to any repair carried out by unauthorised persons or companies.</p>
Rental Agreement	On request.
Rental Period	<p>36 months with a yearly escalation at official published CPI.</p> <p>Following rental, sale of unit to rentee or continuation of contract will be negotiated to mutual benefit of both parties.</p>
Contract Cancellation	<p>Should either of the machines not meet expectations the unit can be returned to Earth Probiotic at Earth Probiotic's cost. Provided that:</p> <ul style="list-style-type: none">• Cancellation of contract does not relate to change of ownership, management or change in strategy by the rentee or purchaser.• All efforts have been made by both parties to optimise composting operations and solve clearly communicated issues or challenges.• The return of the machine or cancellation of the contract is based on reasonableness.• The desire to return the machine is not based on issues arising from labour or other disputes with operators. <p>For purchase, the unit must be returned within the first 6 months after commissioning.</p>