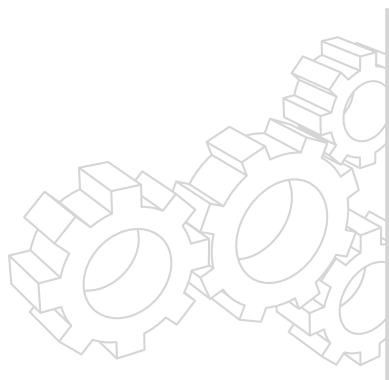


IWK
Maschinenbau GmbH



SELF-DRIVING COMPOST TURNING-MACHINE

COMPOST QUALITY OF TOP CLASS



The company IWK is an industrial company based in Altheim, Upper Austria. We produce high-quality machines and machinery.

By the takeover of the established „Morawetz“-products we succeeded in 2009 a successful start in the area of compost turning machines. The 25 years of experience from company Morawetz and our many years of experience in engineering refine those machines.

Through our knowledge, the skills of our employees and our versatile machinery, it is possible to manufacture special solutions that are not available on the market.

THE HEART - THE OPTIMIX TURNING ROLL

Fine atomization and best mixing ensure the necessary aeration. Because of special formed and arranged milling tools, there is just a short effort needed, also on big stacks and heavy material. Biowaste, grass and green cut are optimally processed. **Excellet mixing effect also in sludge and straw.** At us you can be sure: We build our milling tools of wear-resistant material (Hardox 500) and guarantee long service life. On both sides the volution cater for safe insertion of the edge zones.

HR SPECIFICATIONS rear wheel drive - HR

SERIES	HR 2700 *	HR 3000	HR 4000	HR 5000	HR 6000
roll width	2,7 m	3 m	4 m	5 m	6 m
diameter turning roll	570 mm	K820/H960 mm	960 mm	1160 mm	1160 mm
turns/min	400	K 350 / H 280	K 320 / H 280	250	250
channel height	1,35 m	1,8 m	2 m	2,2 m	2,4 m
engine power	55 kW	K 102 / H 121 kW	168 kW	205 kW	242 kW
v-belt drive	✓	✓	✓		
hydraulic drive		✓	✓	✓	✓
engine	Perkins	Perkins	Perkins	Perkins	Caterpillar

* ohne Kabine



The Optimix turning roll is the heart of our compost turning machines.



Hydraulic with multiple pump.

HYDRAULIC DRIVE: Power and long life

A hydraulic with multiple pump is directly built on the engine. The traction drive is guided with a proportional valve per side. The converter process is driven with slow speed, the fast motion can be patched for long runs. The hydraulic is designed for non needless loss of energy.

By the driving power up to 242 kW in conjunction with a high-pressure hydraulics system guarantees the turning roll rapid convert and plenty of power reserves.



V-belt drive with speed-reduction .

V-BELT DRIVE: 90% efficiency - less fuel

The v-belt is made for long durability and requires no maintenance on the right tension. A big benefit is that there is needed a 20% smaller engine due to the shorter energy loss. More advantages are less fuel consumption and more capacity on the turning roll.

RP

SPECIFICATIONS crawler chassis - RP

SERIE	RP 3000	RP 4000	RP 5000	RP 6000
roll width	3 m	4 m	5 m	6 m
diameter turning roll	960 mm	960 mm	1160 mm	1160 mm
turns/min	280	280	250	250
channel height	1,8 m	2 m	2,2 m	2,4 m
engine power	121 kW	168 kW	205 kW	242 kW
v-belt drive				
hydraulic drive	✓	✓	✓	✓
engine	Perkins	Perkins	Perkins	Caterpillar



HR-serie with rear-wheel drive.

CARRIAGE optional

REAR WHEEL DRIVE - HR

The long-time optimally proved concept of the HR line with the rear wheel drive marks through simple and sturdy technology.

CRAWLER CHASSIS - RP

The RP has a crawler track with unique pulling power and maximum stack place use. The narrow chassis allows stack formation without distance. The fully hydrostatic drive guarantees maintenance-freedom and high torque.



DRIVERS CAB

Highest ergonomics and ease of operation



best overview of
central viewing position



One-hand operation
by multi-function joystick



Sufficient legroom



Active carbon filter,
noise insulation, heating system
and air conditioning

We manufacture special solutions –
tailored to your individual needs.



SPECIAL EQUIPMENT



**irrigation
with hose reel**



irrigation with a pump
1000 l water tank on the converter



**irrigation with a fire department
hose connection**
incl. nozzle arbor



atomising device
for substrate



fan
for better oxygen intake



fleece winding device in front



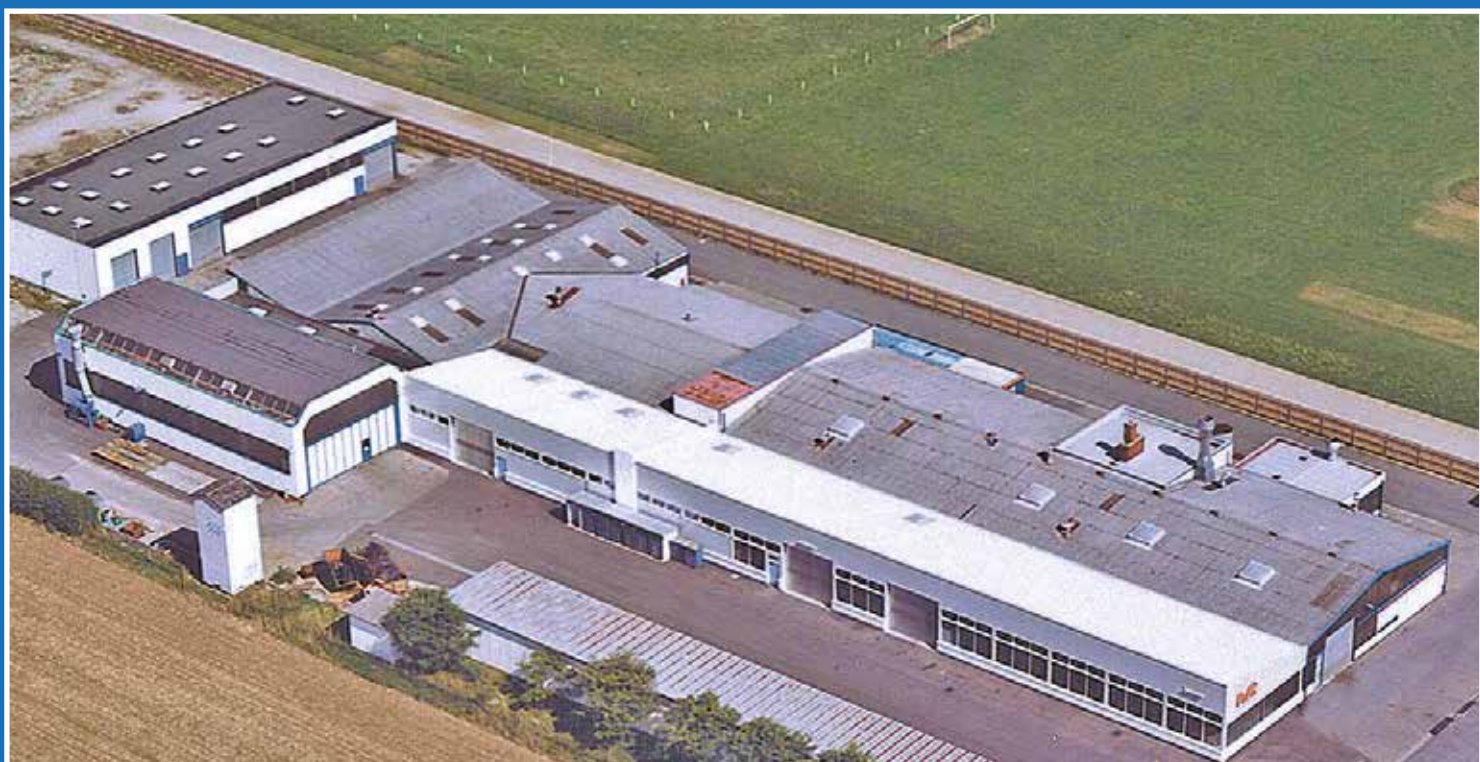
fleece winding device at the rear



fleece winding tube
to set up and roll off the fleece next to the machine
(fleece winding device in front required)



GPS-guidance system



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