

 **Orkel** MP 2000 Compactor

Bale and wrap

shredded

INDUSTRIAL PRODUCTS

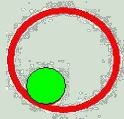


**Paper – plastic – shavings - peat – compost
wastes and much more**

- ✓ Environment friendly and clean storage
- ✓ Protecting valuable energy
- ✓ Improved logistics (Storage and transports)
- ✓ Opens new markets and ways of business
- ✓ Efficient by mobility and high productivity
- ✓ Air- and water protected
- ✓ High degree of compaction
- ✓ Dust-minimizing

Profitable technology for new business ideas
- **Orkel MP2000 Compactor**

Orkel environment+



Orkel MP 2000 Compactor

Waste handling for profitable business



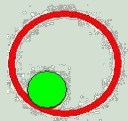
Baling of Secondary wastes



Improve the values of your materials

- ✓ Unit packages – profitable handling
- ✓ Clean and compact packages
- ✓ Stable quality through wrapping
- ✓ Protection for the environment
- ✓ Compaction = less volume for handling
- ✓ Suitable for transportation
- ✓ New materials are commercialized

Protect your energy values by compaction and wrapping !



Orkel *MP 2000 Compactor*

Handling and logistics for loose materials



**Stable, water- and oxygen-proof packages.
Profitable storage and rational transports.**



Orkel MP2000 Compactor

Sequences for bale production



Full automatic operation

The **Orkel MP2000** operates fully automatic. A complete hydraulic system is integrated and the machine can be operated by one operator only.

All functions are inspected by the electrical CAN-BUS control system. The optimal amount of material is supplied to the chamber under the supervision of advanced but reliable sensors-system. This is one of the conditions for high output capacity (35-50 bales/h).

The wrapping takes place parallel to the baling. After the wrapping, the bales are gently placed on the ground.



Safe and reliable technology! – Norwegian quality!

Orkel *MP 2000 Compactor*

The new tying system provides alternative methods for tying....

with netting ...



... or with wide film (full width cover)



In immediate connection to the baling process, the full air-protection by wrapping takes place.

- ✓ no disturbing metal wires
- ✓ no disturbing air-pockets
- ✓ no edges to be damaged

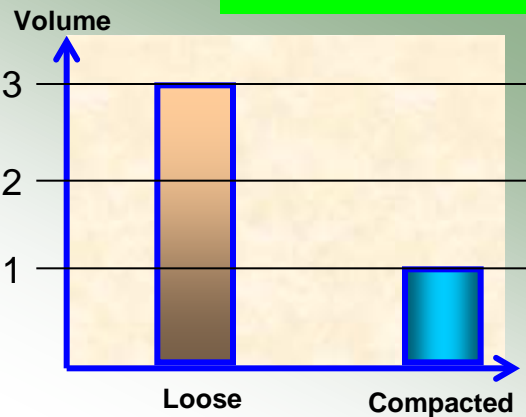
Stable and well compacted packages

Environment +

1. High degree of compaction.

Many materials have a big potential for compaction. Materials with a volume of 3,5m³ in loose condition will normally have a potential for being compacted into 1,2 m³. The general experience from many materials is a factor of compaction like 3:1.

There is even registered materials being compacted as much as 5:1. The potential for savings is big.



2. Environment friendly

The process of compaction and wrapping will remove the main oxygen content of the material. Through this operation the material will be stabilized and will keep it's chemical and biological condition over considerable amount of time. In addition, the environment will be protected from damage of eventual harmful particles or materials



Rational +

3. Efficient and safe storage

The compacted and wrapped bales may be placed on pallets or just stacked one on the other. In this way, big volumes may be stored at limited areas. The wrapping protects moisture from outside to enter the material.



Compacted bales – convenient to stack.

Environment +

4. Reduced need for transportation

Compared to transportation of loose materials, transporting the bales will reduce transportation cost by 20-40 %, or more. Wrapped bales will experience an added value based on the new flexibility for transportation and trade. The bales may be handled on pallets or with a bale gripper. The convenience of storage and transportation opens for new customers groups.



2 x bales side by side = 230 cm



Orkel MP 2000 Compactor

Mobile and flexibel:



Fast transportation from site to site:

The German TÜV institution has approved the **Orkel MP2000** for 80 km/h.

The Orkel MP 2000 is developed into a compact and flexible unit. Within 15 minutes after ended transportation, the machine may be set into operation, (or the other way around.) The MP 2000 can be transported on the road and driven at the site - either with a lorry or with a tractor.



The **Orkel MP2000** may even be driven by a electrical engine or a separate diesel engine.

The effect of the Powerpack (electrical engine, gear etc.) is 75 kW. It is fit for both indoor and outdoor operations. Even in dusty conditions, the Powerpack will perform with a high degree of reliability. The Powerpack as well as the MP 2000 itself is easy to transport and move. The Powerpack may be handled with a standard forklift.



Powerpack – compact electrical unit.

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Reliable transmission



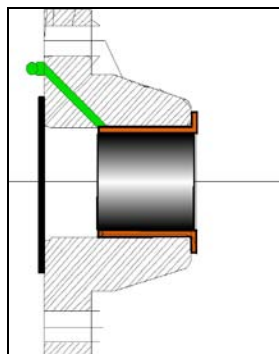
Bushings on the chamber rollers.

Price, long life and low wear represent very low costs compared to bearings. Bushings are very stable against vibrations, pressure and pollution. By eventual damage of the bushing, there is no need for immediate change of the item. The actual baling operation can normally finish ahead of change of parts.

Automatic greasing of bushings and chains.

Bushings require regularly greasing. The Orkel MP 2000 is equipped with a continuous automatic greasing system for each bushing. In this way, all bushings are greased according to its exact need, and pollution is kept away. Compared to a manual greasing system, the automatic unit in precise and will normally save appr. 50 % of manual grease cost.

Chains are supplied with oil from a separate oil pump. By each opening of the chamber, oil is efficiently supplied to chains through brushes.



Technical data

Heiht	mm	3760
Width	mm	2500
Length (Transportation)	mm	7600
Length (Operation)	mm	10000
Weight	kg	7800
Capacity	Bales/h	35-50
Power requiremet	kW	75
Bale diameter	cm	115
Bale width	cm	120
Tires		385 / 65 - 22.5

Importer:

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Please contact your importer or Orkel Compaction AS for further information.