



Developing profitable customers



**THE ORKEL MC850 & MC1000 COMPACTORS
SMALL BALES WITH HIGH EFFICIENCY
AND HIGH QUALITY**



HISTORY OF QUALITY

WE ARE PROUD TO BE THE FIRST COMPANY IN THE WORLD TO PUT SMALL PARTICLES INTO BALES. WE ARE THEREFORE THE MOST EXPERIENCED MANUFACTURER OF THESE MACHINES, FOR WHICH WE EARNED AN INTERNATIONAL INNOVATION PRIZE, «NEUHEIT INNOVATION», AT AGRITECHNICA.



MC850
COMPACTOR

Ortel

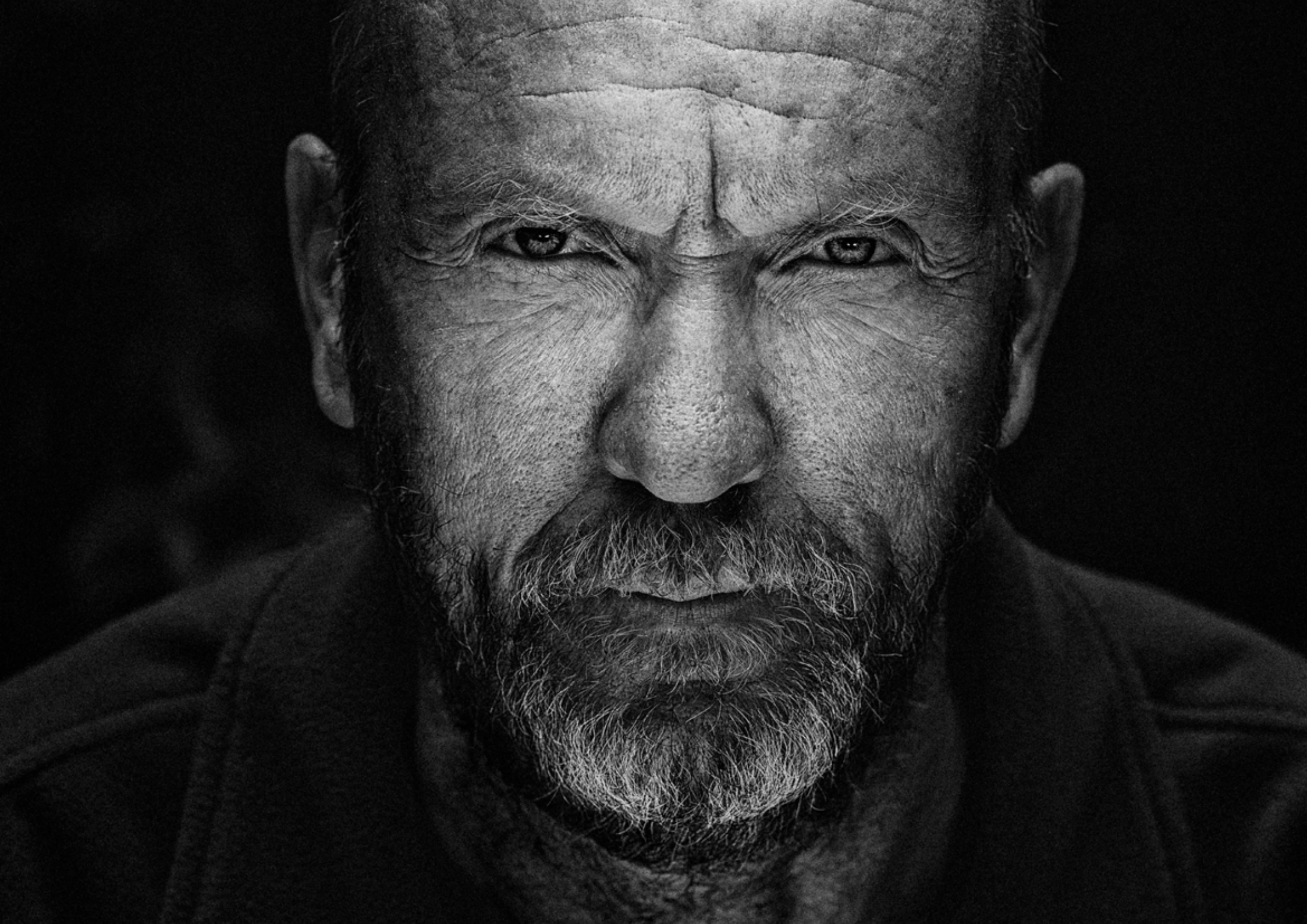
PROFITABLE MACHINERY MADE OF NEW IDEAS AND SOLID CRAFTSMANSHIP

Orkel is an innovative market leader in the development of new products. Our team of highly skilled engineering professionals are working relentlessly to create cutting edge agricultural and industrial machinery and to improve our existing product range.

We are proud to see that during more than 19 years in the market, the Orkel compactors have stood the test of time and are still going strong. These years have proven that our compactors have exceptionally long life-time, low maintenance costs and excellent performance.

LEIF HAUGUM

Head of Development



«HIGH DENSITY BALING IS WIN-WIN»

DENIS JOHNSON
JT JOHNSON & SONS, AUSTRALIA

FROM BULK TO BALE

*BALING IS A CLEAN AND EFFICIENT
WAY TO HANDLE BULK MATERIAL.
THE ORKEL COMPACTORS ENABLE
MATERIALS TO BE COMPACTED
INTO STABLE, CLEAN AND
HOMOGENOUS UNIT PACKAGES.*

EFFECTIVE COMPACTION

The volume of most bulk materials can be reduced down to one third of their original volume. Even material with high dry matter content can easily be compacted. The Orkel bale sizes are optimized for loading of bales into trailers, containers [44 units in 45ft container], ships or similar.

PRESERVING OUTSTANDING QUALITY

The Orkel compactors make the bales with the highest density. The result is superior conservation of the content. This is due to the oxygen being removed from the material during the compaction process.

Together with the tight wrapping the result is that no oxygen is left in the material and no oxygen gets in.

IMPROVING SILAGE QUALITY

Benefits are less bacterial spoilage during storage and transportation, and stable silage for long term storage. On top of that, our high density bales have lower rates of air infiltration during feedout.

THE KEY TO SUCCESS: HIGH DENSITY BALES

Next to zero nutrition losses provides huge benefits to the livestock farmer.

User experiences during more than 10 years, as well as several independent test reports confirm the advantages of Orkel bales to provide:

- Increased milk yield/ live weight gain
- Higher DM intake
- Better milk quality by increased protein and fat
- Improved animal health

In turn, these benefits have a positive impact on the financial return from milk and meat production.

MAIZE



TMR



CCM



SUGAR PULP



UP TO 70% VOLUME REDUCTION

GRASSES



MANURE



CRIMPED GRAIN



COTTON



HEMP



RDF



PLASTIC



SHAWINGS



«IT IS CRUCIAL FOR US TO USE SUPPLIERS WITH FIRST CLASS MACHINERY, BUT ALSO WITH FIRST CLASS SERVICE»

*DR. HISHAM SHERIF
ECARU, EGYPT*

BETTER BALING

**THE ORKEL COMPACTORS ARE
KNOWN TO MAKE PROFITABLE
CUSTOMERS**

BALE FASTER

Orkel compactors gives great capacity [bales/hour]. The high output is due to the possibilities for adjustments to optimize for higher efficiency.

BALE ECONOMICALLY

The Orkel compactors are engineered with great experience and skills. Various technical details like auto greasing of all bushings and auto oiling of chains, makes the Orkel compactors exceptionally durable. A machine with fewer stops, less maintenance and longer lifetime has a lower price per bale.

BALE ANYTHING

More than 30 different materials are handled successfully by the Orkel compactors.

BALE ANYWHERE

Set the compactor in transport mode and drive up to 80km/h with optional hydraulic and air brakes. It takes minutes to make the machine ready for baling after transport.

GLOBAL 24 HOUR SUPPORT

Your Orkel compactor is delivered with factory warranty. Orkel certified technicians, located all over the world, will be present to help you to start up your new compactor. The aftersales team will offer you technical support and make sure you keep your wheels turning.

BALE BETTER

- ♦ Automatically lubricated bushings prevent dust, moisture and acid damage. It makes maintenance or replacement easier and cost efficient
- ♦ The hydraulics and hydrostatics ensure smooth starts, stops and gives fewer tension peaks in chains and rollers. This means higher reliability and lower maintenance cost
- ♦ Auto mode and individual control of the speed and oil pressure of each function

**WITH A CAPACITY OF UP TO 65 BALES/H, BALING
WITH THE ORKEL MC850 IS AN
EFFICIENT OPERATION**



HOW IT WORKS

1. TRANSPORT TO CHAMBER

Material is tipped from a trailer, a front-end loader or factory conveyor belts to the feed hopper. An automatically controlled and robust chained conveyor system with steel carriers loads the material into the compression chamber.

2. COMPRESSION

Specially designed belts inside the chamber prevent spillage, while the design of steel rollers and high pressure chamber compacts a bale of high density. Automatically lubricated bushings prevent dust and moisture damage and gives long life time.

3. WIDE FILM WRAPPING

After compaction the bale is wrapped in wide film or net to allow it to maintain its shape and density.

4. WRAPPING

The chamber is opened, and a predefined number of film layers seals the material in a compact bale on the wrapping table. Finally the bale is rolled to the ground and can be picked up one, two or three at a time, and stacked up to 8 bales in height.



TECHNICAL DETAILS

THE MOST DENSE AND HARD BALES IN THE MARKET ARE MADE IN SPECIALIZED CHAMBERS BETWEEN STEEL ROLLERS AND BELTS. ORKEL OFFERS COMPACTORS SPECIALISED FOR DIFFERENT BALE SIZES

MC 850 compactor

Operated using hydraulics, with power supplied by a tractor or an electric motor [Powerpack PP550]

Required power: >80 HP tractor or
>55 kW Orkel PP550

Total weight: 7120 kg

Capacity: Up to 65 bales/hour*
Bale volume: 0,48m³
Bale size: 85 cm x 85 cm
Bale weight: 100–500 kg*



MC 1000 compactor

Operated using hydraulics, with power supplied by a tractor or an electric motor [Powerpack PP55]

Required power: >80 HP tractor or
>55 kW Orkel PP550

Total weight: 7220 kg

Capacity: Up to 60 bales/hour*
Bale volume: 0,67 m³
Bale size: 100 cm x 85 cm
Bale weight: 350–750 kg*



Orkel X-series compactor

The Orkel Dens-X and MP2000-X compactors make the biggest and heaviest bales. Read more about these machines in the Dens-X and MP2000-X brochure or visit www.orkel.com.



* Depending on the material and operation conditions



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