



ORKEL'S AGRICULTURAL COMPACTORS:
**UNIQUE FEATURES
& EQUIPMENT**





INTRO

Orkel has a rich tradition of innovation, consistently aiming for progress. With a continuous pursuit of improvement, we have pushed the boundaries of baling technology to maximize our customers' performance and profitability. Simultaneously, we have prioritized user comfort and user-friendliness while making a significant contribution towards a more sustainable world.

AGRICULTURAL COMPACTORS



DENS-X
with F25 hopper

Can take up to 25m³ directly loaded from a trailer into the levelled feed hopper F25. Makes large-sized high-density bales.



MP2000-X
with F10 hopper

Makes large-sized high-density bales.



ORKEL MC1000
with F5 hopper

Delivers medium-sized high-density bales.



MC850
with F5 hopper

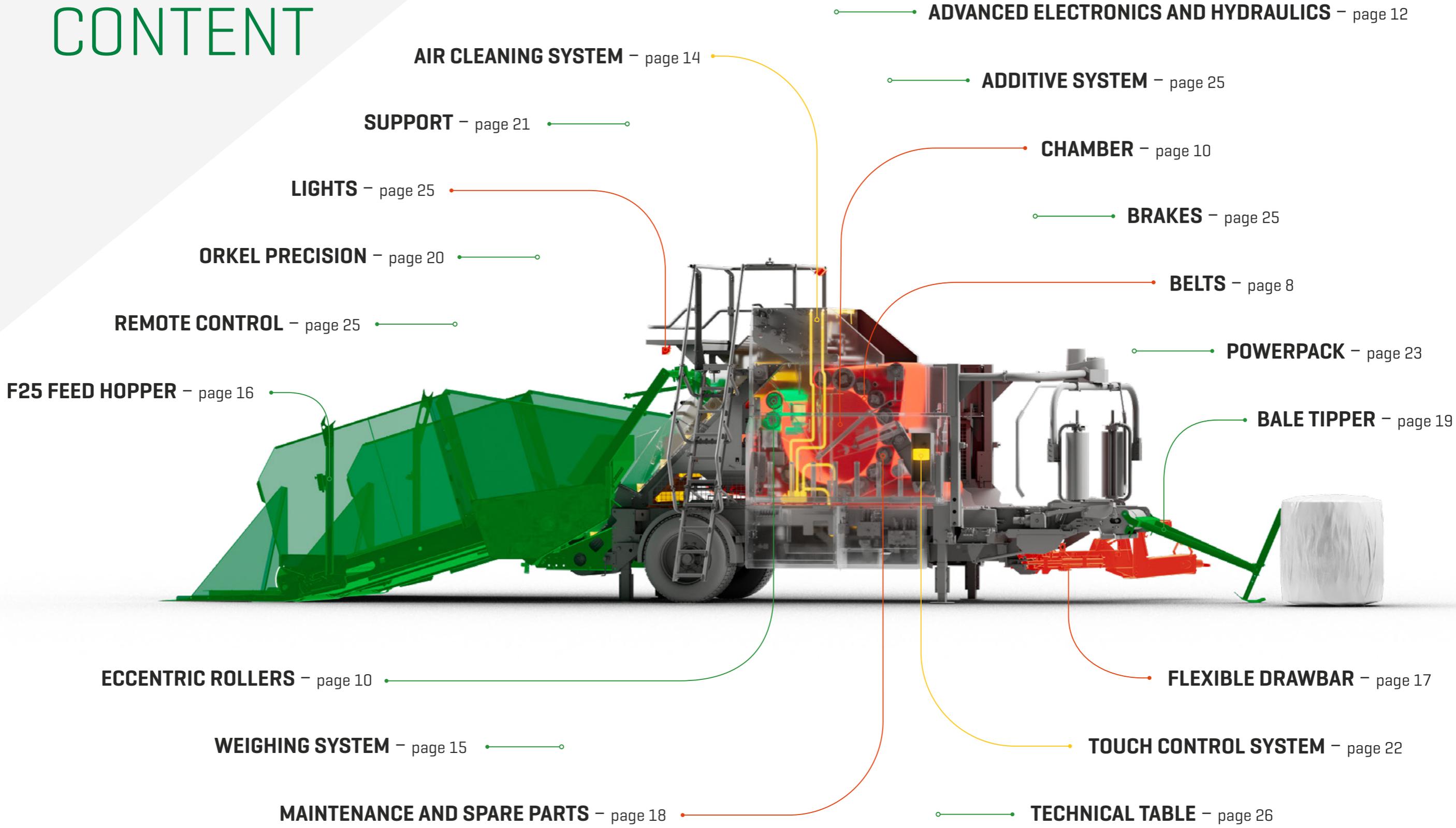
Delivers small-sized high-density bales.



MC850 FLEX
with F5 hopper

A one-machine solution for a variety of bale sizes between 50–85cm diameter.

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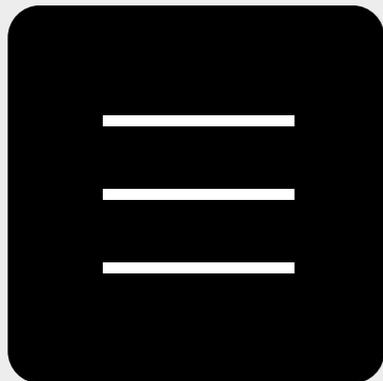
BELTS

These chamber belts on the Orkel compactor are part of what makes it different from a traditional grass baler. The compactor has a fixed chamber, where the belts makes it possible to bale small particles while retaining density.

These belts can be spliced for easier mounting when replacing.

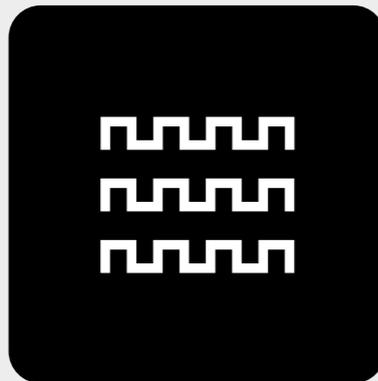


Our Chamber belts



Smooth

This is the best choice for dusty materials.



Griptop

Our most common belt. It has a good grip, suitable for most materials. Can be delivered as endless belt.



Chevron

Belt designed for a better grip on challenging materials.

All Orkel compactors can be delivered with combination belts to ensure optimal baling and maximum density of your material.

Frequently used combinations:

Chevron + Smooth = Slightly increased density and reduced dust pollution

Griptop + Smooth = Normal density and reduced dust pollution

Chevron + Griptop = Increased density

Combine with eccentric rollers: Extra increased density

The results will vary depending on your material, please reach out to your Orkel rep. for a recommendation based on your material.



CHAMBER

Orkel's compactor chamber is reinforced with Hardox steel plates and bushings, ensuring a durable machine. The chamber has two main chains allowing easier maintenance and increased lifetime.

17 ROLLERS

More rollers than other comparable machines provides more pressure and higher bale density.

ECCENTRIC ROLLERS

Two of the rollers can be replaced with eccentric rollers, providing even higher density.

SLIDE BEARINGS

Developed to handle a high workload, the slide bearings are durable and require minimal maintenance.

LUBRICATION

Automatic lubrication of bearings and chains makes your baling process efficient.

HARDOX STEEL

The Orkel chamber is reinforced with Hardox steel plates. Hardox steel is durable and resistant to wear.



ADVANCED ELECTRONICS AND HYDRAULICS

Highly advanced hydraulics and electronics make the Orkel compactor work smooth and efficient in various conditions and with different materials. The Orkel touch control system allows you to adjust and fine tune your compactor completely to fit the material you are baling, assuring that you always achieve high density bales.



AIR CLEANING SYSTEM

As you are baling, the air cleaning system will keep vital parts of the machine clean, minimizing down-time and the time you have to spend cleaning your machine.



WEIGHING SYSTEM

The weighing system automatically measures the weight of each bale. Weighing cells are integrated in the wrapping table and the weighing process runs automatically, ensuring no delays in your workflow.

Bale data is shown in the display and stored in the online bale database for later analysis and fine tuning of your baling operation. The Orkel weighing system can be delivered with a printer, providing you with a label to place on your bale. The label contains information about bale weight, time and date of baling and your logo if desired. The label functionality can easily be switched off.

The Orkel weighing system can be retro-fitted onto existing X-series compactors.



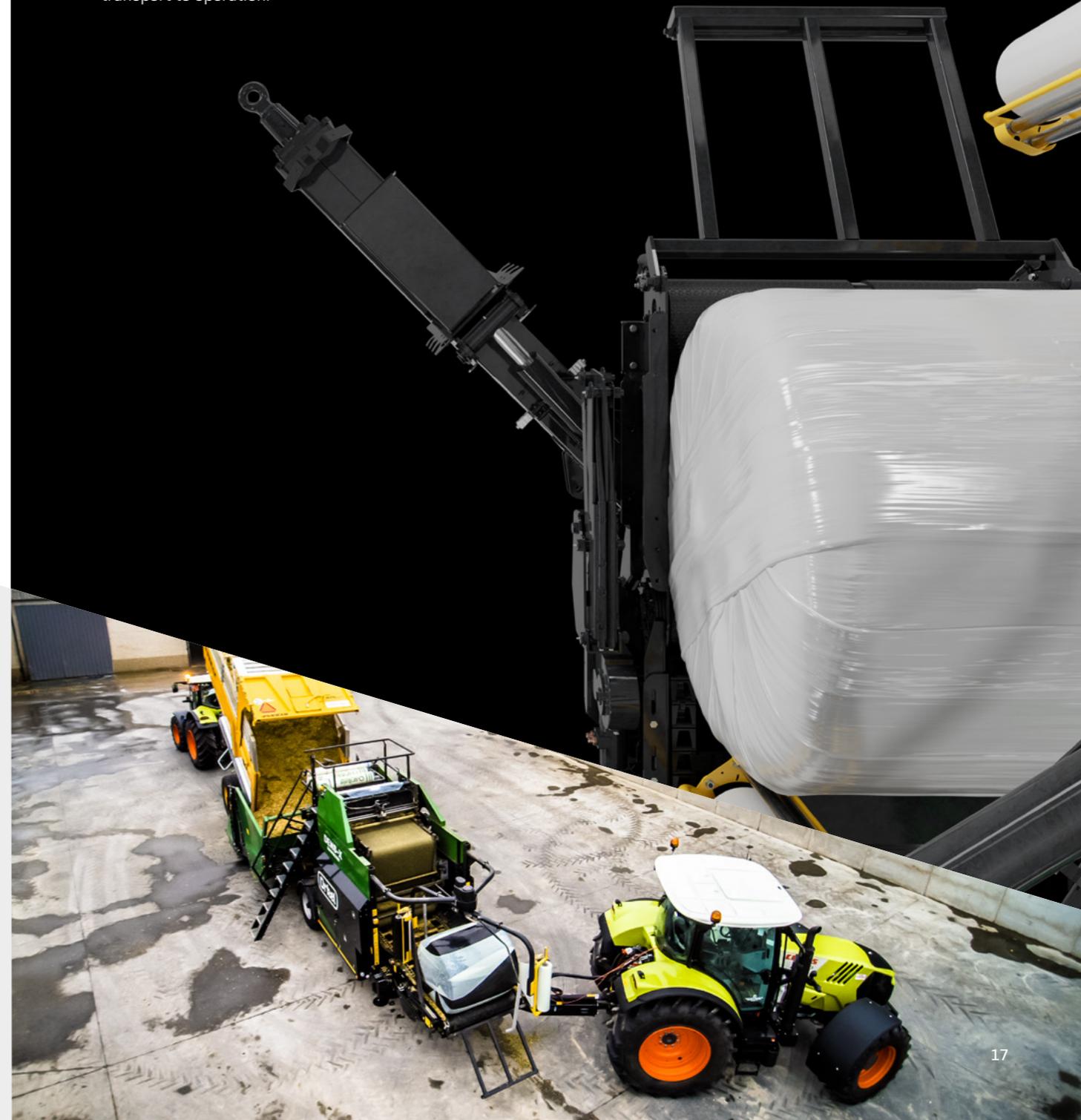
F25 FEED HOPPER

The F25 feed hopper allows you to unload 25 cubic meters of material directly from a trailer, while still having a compact machine. With the flips up, you can use a front loader to load the material. The F25 patented solution enables a smooth transition from transport to operation within minutes.



FLEXIBLE DRAWBAR

The flexible drawbar lets you run your compactor without decoupling the tractor. This drawbar solution combined with the F25 feed hopper ensures an efficient transition from transport to operation.



MAINTENANCE AND SPAREPARTS

Due to high quality components and innovative solutions, the Orkel compactors have a low maintenance requirement and cost.



BALE TIPPER

The bale tipper flips the bale over to its side when dropping, making it easier to pick up with a grabber.

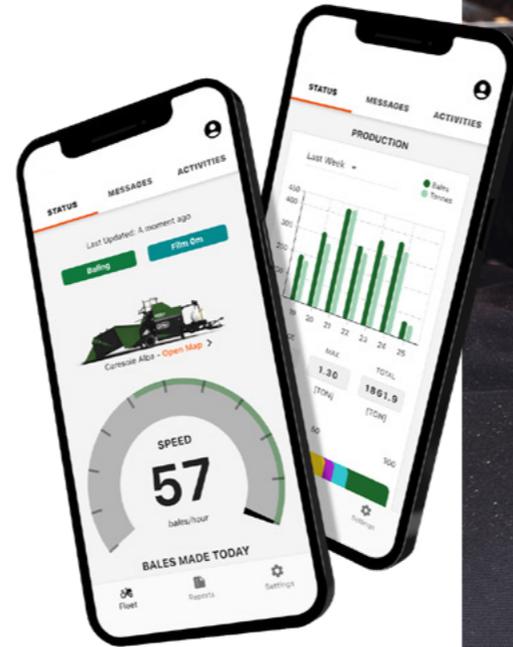


ORKEL PRECISION

The Orkel Precision technology benefits all aspects in the value chain surrounding bulk material stored in High-Density Bales. Among the numerous benefits are:

- Real time insight and downloadable analyses of your baling session
- Material traceability using individual bale labelling and cloud storage
- Digital bale content insight, removing the need to puncture each bale

Read more about Orkel Precision at orkel.com/precision



SUPPORT

An Orkel certified technician will follow you up closely, ensuring an optimal start to your baling journey. Orkel understands that your needs may vary over time, which is why our in-house international service technicians are always available. For any queries, such as machine settings, technical assistance, spare parts or simply baling advice, they will gladly assist you.



LIVEASSIST

The Live Assist device is a headworn device you may use to communicate directly with an Orkel service technician online. The Orkel technician will be able to see your environment through your eyes, and in turn efficiently describe the necessary steps to solve a potential issue.



INSTRUCTIONAL VIDEOS

In addition to your personal Orkel representative, Orkel offers a multitude of instructional videos; Explanations on how to setup your compactor, how to operate your compactor as well as maintenance advice to keep your compactor functioning well over time.

Check them out on youtube.com/orkel

ORKEL TOUCH CONTROL SYSTEM

The intuitive touch screen allows for easy operation and supervision of the machine. Features such as the wide viewing angle, screen brightness, and screen contrast offer optimal readability even in direct sunlight. Setting the machine to run automatically you are freed from manual labor, enabling you to shift focus to supervision and fine-tuning of the machine to accommodate your needs.



POWERPACK

Electric drive of the Orkel compactor. The PowerPack allows you to use the tractor for other purposes when baling.

The Orkel PP550 Powerpack offers an efficient, flexible, and reliable electrically based operation of your Orkel compactor.

This is an advanced power source for your compactor, providing a frequency-controlled RPM which secures your operation at low and high temperatures. The automatic RPM control ensures the correct speed of your compactor during variable operating conditions. The PP550 is optimized to operate the compactor with the lowest possible power consumption, while ensuring high quality baling.





LIGHTS

As a standard option, all Orkel compactors are equipped with high output LED lighting.



REMOTE CONTROL

2 channel remote control can be added as an option, providing bale drop and stop.



ADDITIVE SYSTEM

Available for customers wanting to add inoculants to their forage crops.



BRAKES

Orkel compactors are delivered with hydraulic brakes as standard. Air brakes are available as an add on for X-models.



TYPE APPROVAL

The Dens-X compactor can be delivered type approved acc. to EU Regulation 167/2013.

TECHNICAL TABLE

	Dens-X	MP2000-X	MC1000	MC850	MC850 Flex
BRAKES					
Air brakes	✓	*			
Hydraulic brakes	*	✓	✓	✓	✓
BELTS					
Chevron	*	*	*	*	*
Griptop	*	✓	✓	✓	✓
Smooth	*	*	*	*	*
Combination	✓	*	*	*	*
CHAMBER					
Eccentric rollers	✓	*			
FEED HOPPER					
F25	✓				
F10		✓			
F5			✓	✓	✓
DRAWBAR					
Flexible drawbar	✓				
Telescopic drawbar		✓	✓	✓	✓
PTO 6 spline	✓	✓	✓	✓	✓
PTO 21 spline	*	*	*	*	*
D50 drawbar eye	✓	✓	✓	✓	✓
D76 drawbar eye	*	*	*	*	*
K80 drawbar eye	*	*	*	*	*
ORKEL PRECISION					
Telematics	✓	*			
Bale Manager	*	*			
Content intelligence	*	*			

	Dens-X	MP2000-X	MC1000	MC850	MC850 Flex
LIGHTS					
LED lights	✓	✓	✓	✓	✓
CONTROL SYSTEM					
Orkel Touch	✓	✓			
Standard			✓	✓	✓
Printer	*	*			
Weighing system	✓	*			
ELECTRIC DRIVE					
Powerpack PP550	*	*	*	*	*
REMOTE CONTROL					
2 channels	*	*	*	*	*
OTHER EQUIPMENT					
Air cleaning system	*	*			
Additive system	*	*	*	*	*
Bale tipper	*	*	*	*	*
Sparepart package	*	*	*	*	*
MEASUREMENTS This may vary with different accessories					
Transport length	9 650	8 410	7 860	7 860	7 860
Transport height	3 900	3 880	3 390	3 390	3 390
Transport width	2 380	2 550	2 860	2 860	2 860
Operation length	12 420	10 760	9 170	9 170	9 170
Operation height	3 900	4 030	3 860	3 860	3 860
Operation width	4 470	3 210	2 860	2 860	2 860
WEIGHT Will vary with different accessories. Minimum weight is shown					
Net. weight	11 540	9 500	7 220	7 120	7 120

* Optional

MC850™
COMPACTOR



Bales better

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Do you need spare parts? Contact compactor@orkel.com