



FELLA

Harvesting energy.

Product range
2022/2023





A worried glance at the sky.
Black clouds are drawing in.
The clock is ticking.
It will be pouring in less than an hour.
The pleasant, sunny days are gone.
And the work is done.
For the harvest is already saved.



Harvesting energy.

So much to do, so little time.
In these critical days, every minute counts.
We at FELLA understand.
You can rely on our tools.
Even when the task is tough.
Even on hilly terrain.
And above all when the clouds draw in.

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RAMOS Disc mowers

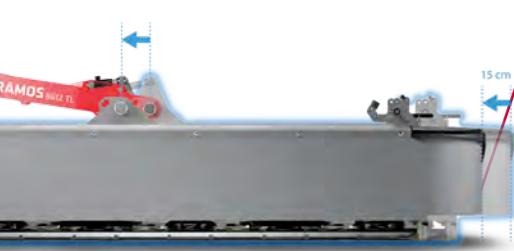
NEW

RAMOS 8612 TL-KC and RAMOS 8612-RC

The lightweight mower combinations now with tine or roller conditioner.

The new low-drag RAMOS series of mower combinations combine the benefits of a weight-optimised design with the latest FELLA drive technology, high cutting power and economic efficiency. If you use a conditioner, you will achieve high-quality forage more quickly because moisture loss from plants is accelerated.

- ▶ Working widths 8.30/8.60 m
- ▶ Robust, flat spur gear cutter bar with EcoMode
- ▶ Free-floating cutting with TurboLift
- ▶ "EasySwing" anti-collision device
- ▶ Wide working angle (+30° bis -19°)
- ▶ Low-lying pivot point for the mower units
- ▶ Compact transport



THE PERFECT WIDTH

Adjustable working width using socket pins without shortening the drive shaft.



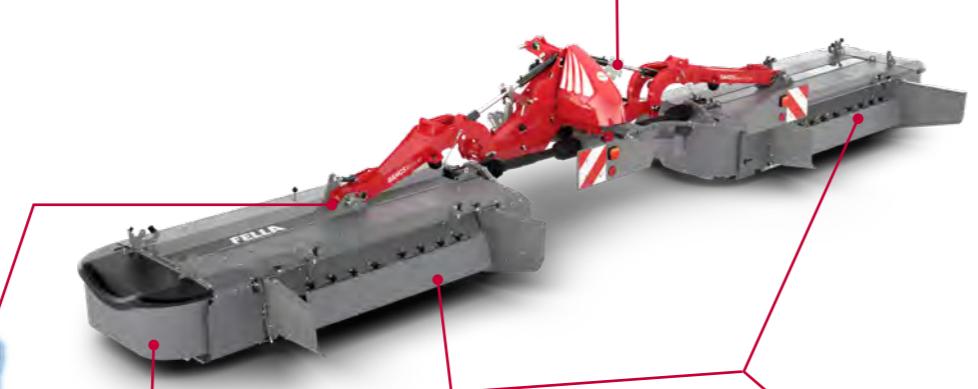
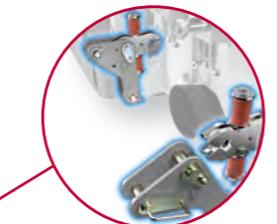
WORKING BETTER IN PAIRS

The optional DUO drive drives both conditioner rollers directly and therefore guarantees higher throughput in large and heavy types of forage.

ALWAYS ONE CUT AHEAD

The robust and flat spur gear cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running.

FOLDS AWAY SECURELY
The mechanical EasySwing impact guard provides optimum safety.



JURAS Rakes

NEW

JURAS 14055 PRO with ISOBUS

The flagship among the second generation of four-rotor rakes.

The new JURAS 14055 PRO with its innovative proCONNECT system is designed to work faster while picking up forage just as neatly as its predecessor and operating with the same working width as its predecessor – this means more high-quality forage in less time. The new edition of the large-area rake has new sensor technology, an optional working lights package and a modern and functional design.

- ▶ Working width 10.50-13.80 m
- ▶ Compact transport position of 3.99 m thanks to the hydraulic chassis axle
- ▶ Electronic sequential control using time or position signals from the tractor

ISOBUS SYSTEM FELLA PROCONNECT

- ▶ flexHIGH – speed-dependent raking height adjustment
- ▶ gapCONTROL – monitored rotor overlap function
- ▶ myMEMORY – rake management system
- ▶ Full automation and exact performance data

REDUCED GROUND PRESSURE

The optimised spring relief on the lifting arms and the large tyres (550/45-22.5) minimise the impact on the ground, even at high speeds.



FUNCTIONAL DESIGN

Functional new design for increased protection, improved accessibility and lower levels of contamination.



WORK INTO THE NIGHT

Five optional, powerful LED lights – two each for the front and rear rotors, one for the swath – throw light exactly where you need it.



CONVENIENT

With the hydraulic convenience raking height adjustment system, you only need to adjust one rotor. The other rotors will then be adjusted automatically.

flexHIGH – THE FASTER WAY TO PRODUCE HIGH-QUALITY FORAGE

The flexHIGH speed-dependent raking height adjustment function makes adjustments in response to the increasing distance between the tines and the ground that occurs as a result of the increased resistance from the forage when travelling quickly.

- ▶ Counteracts loss of forage at high working speeds
- ▶ No forage contamination or damage to the sward when stopping with the rotors in their working position.
- ▶ Wear is minimised as the raking height can be adjusted to the optimal setting for any situation.
- ▶ Work per unit of area is increased because the working speed is increased while the PTO shaft speed remains constant.



RADON

Drum mowers

FELLA drum mowers, with their robust design, are universally deployable and are real all-rounders even where ground conditions are difficult.



**MOWING DRUMS
BEARING-MOUNTED
AT FIVE POINTS**

Designed for extremely high loads



QUICK BLADE CHANGE

Replacement without maintenance time – as standard



RADON Drum mowers

The FELLA advantage

- ▶ Low ground pressure and low-impact treatment of the sward thanks to large mowing drum contact area
- ▶ Unobstructed forage flow even for large quantities thanks to the large passage between mowing drums and standard conveyor vanes
- ▶ Excellent swath formation through paired running of the mowing drums
- ▶ Safe power transmission thanks to elastic V-belt drive with automatic tensioner
- ▶ Easy blade replacement without maintenance time thanks to standard quick blade change

RELIABLY DRIVEN

The elastic drive, which uses a V-belt and flanged pulleys, always transfers the power reliably by means of an automatic tensioner and protects the mower components from overloading.



DURABILITY

All mowing drums are driven with equal force via the robust hexagonal shaft.

SMOOTH RUNNING

The spiral bevel gears with Gleason spiral toothing run in a lifetime oil bath.

HIGHEST LEVEL OF STABILITY

The main load-bearing area is supported at three points, the sliding plate at two points.

EFFECTIVE CONVEYOR AID

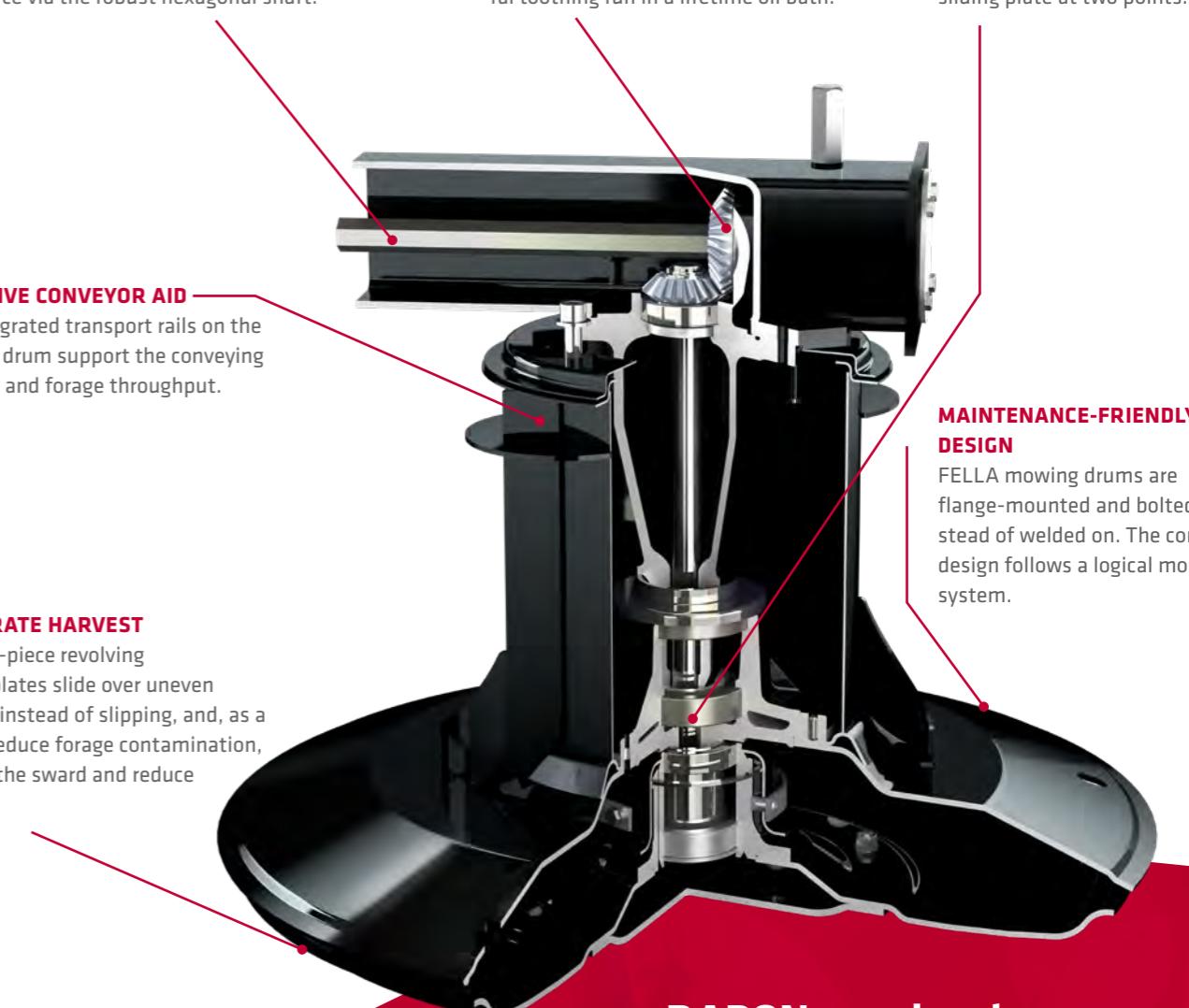
The integrated transport rails on the mowing drum support the conveying capacity and forage throughput.

FIRST-RATE HARVEST

The two-piece revolving sliding plates slide over uneven ground, instead of slipping, and, as a result, reduce forage contamination, protect the sward and reduce wear.

MAINTENANCE-FRIENDLY DESIGN

FELLA mowing drums are flange-mounted and bolted on instead of welded on. The complete design follows a logical modular system.



RADON mowing drum

Universally deployable and tough.



Front-mounted, oscillating linkage

With high cutting power and optimal ground adaptation in a lateral direction, they are universally deployable and also ideal for use with the loader wagon

RADON	2940 FP-V	3140 FP-V	3340 FP-V
Approx. working width in m	2.86	3.06	3.26
Approx. swath width in m	1.20-1.40	1.20-1.60	1.40-1.75
Approx. weight in kg	846	874	907
Approx. power demand in kW/hp	55/75	55/75	55/75
Mowing drums	4	4	4
Blades per drum	3	3	3



Rear-mounted, side attachment

Classic with V-belt drive and low-drag to allow mowing in all positions

RADON	187	225
Approx. working width in m	1.85	2.20
Approx. swath width in m	0.85	1.00
Approx. weight in kg	524	610
Approx. power demand in kW/hp	29/40	36/50
Mowing drums	2	2
Blades per drum	3	4

RADON 310 TL

Approx. working width in m	3.06
Approx. swath width in m	1.95
Approx. weight in kg	1.105
Approx. power demand in kW/hp	60/82
Mowing drums	4
Blades per drum	3

Rear-mounted, middle attachment

High performance with articulated shaft drive and hydropneumatic cutter bar suspension system



MACHINE DESIGNATIONS AND ABBREVIATIONS:

- FP: Front-attached oscillating headstock
- V: Variable cutting height adjustment
- TL: TurboLift system



RAMOS

Disc mowers

Precise cutting results with lightweight construction and large working width: The FELLA disc mowers represent cost-effectiveness, efficiency and the best results when harvesting forage.



DRIVEGUARD®
The overload protection for
protecting the entire mower drive



TURBOLIFT
The cutter bar suspension system
for optimum contact pressure

RAMOS spur gear drive large discs

Low wear – maximum application flexibility.

FELLA mowers with this spur gear drive stand out thanks to a flexible range of applications as well as durable and reliable functionality with a consistently high mowing quality. The robustly designed and flat cutter bar with large mower discs combines an excellent conveying effect and even forage flow with low drag and extremely smooth running. The drive concept of the mower units stands out thanks to impressive efficiency and therefore guarantees efficient mowing under all conditions.



POWERFUL INTERPLAY FOR EFFICIENT MOWING

For a straight force path with high efficiency, the large-dimension drive pinion and mower pinion are arranged in series. The large gear wheels guarantee a lower rotational speed and therefore create lower wear costs. Even with a varying load, smooth running is ensured. With 3.5 teeth engaged, the convex-ground and tempered gear wheels always achieve reliable power transmission and functional reliability. The interplay between all components also results in low-noise operation.



DRIVEN INTELLIGENTLY

The force is applied to the first mower disc and guarantees a direct drive with high efficiency. The drive concept, which is consistently designed for efficient utilisation of power, allows for a reduced PTO shaft speed of 850 rpm under certain conditions and, as a result, fuel-saving operation. The overload protection and the integrated freewheel in the gearbox prevents costly damage to the machine in emergencies.

STABLE FORM

The durability and dimensional stability of this cutter bar are key factors for always being ready to use for the time-critical harvest season. The cover and tank consist of thick-walled material, are joined by interlocking and are fully welded. This results in maximum robustness, maximum stability and tightness of the overall design. Foregoing bolted connections encourages the crop flow and minimises weak spots. Additional outlets with large-scale support profiles guarantee a high level of horizontal dimensional stability, which is particularly beneficial for the cut quality when there are large working widths.

MAINTENANCE-FRIENDLY DESIGN

The heavily loaded drive units are all screwed in. This has a positive effect on the stability of the overall design and supports the service life in the long term. In the event of a collision, the overload protection protects the drive. In the event of damage, the mower unit is quickly and easily replaced. The hidden counter-cutters and the skids can also be replaced in no time at all.



TWICE AS SHARP

Foregoing anchorage points allows for a 360° blade rotation and therefore means that both sides of the blade can be used. They are replaced in no time using the enclosed quick-change key.

SIZE AND SHAPE MAKE THE DIFFERENCE

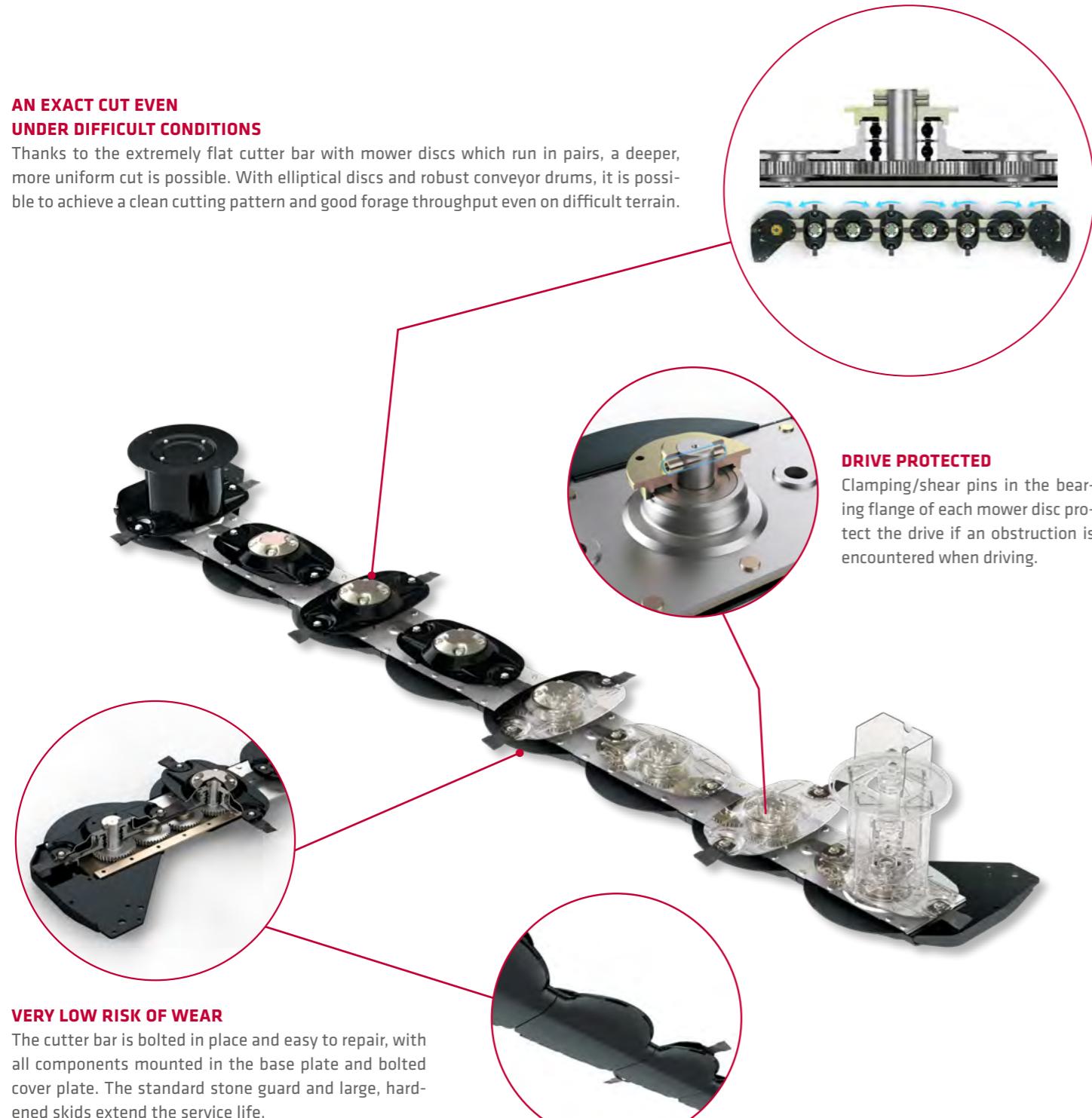
Large mower discs allow for fewer cutter modules per metre of working width. This reduces the number of release points and increases the efficiency. They therefore also achieve a wide overcut and, therefore, a larger cut surface. Another consequence of this is the increased pull effect, which raises the crop before the cut and, as a result, achieves a uniform cut. The special profiling of the mower discs results in a flow effect when transporting the forage after the cut, and therefore guarantees an optimal crop flow and perfect forage deposition even for a heavy crop. Outer mower discs with feed drums guarantee clean forage clearance even in edge areas.

RAMOS compact angular gear

Low power demand – huge area output.

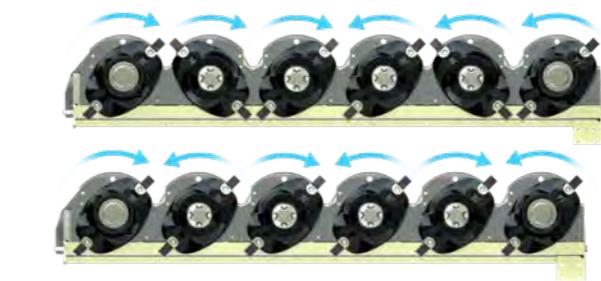
AN EXACT CUT EVEN UNDER DIFFICULT CONDITIONS

Thanks to the extremely flat cutter bar with mower discs which run in pairs, a deeper, more uniform cut is possible. With elliptical discs and robust conveyor drums, it is possible to achieve a clean cutting pattern and good forage throughput even on difficult terrain.



MAXIMUM LONG-TERM PERFORMANCE

The indirect drive, which uses a large-dimensioned hexagonal shaft and the robust angle drive, results in uniform power output across all mower discs and the smoothing of torque peaks. The benefit of this is that the wear and load on all components within the power train is reduced, providing a longer service life.

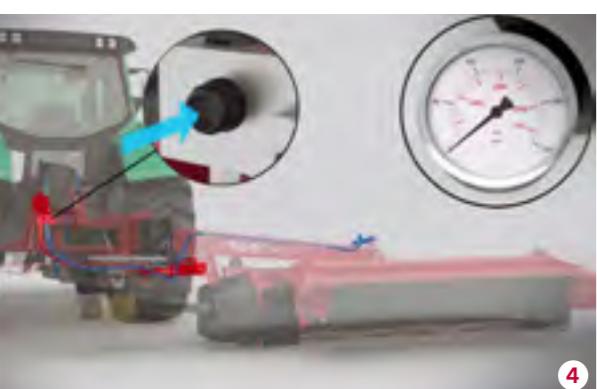
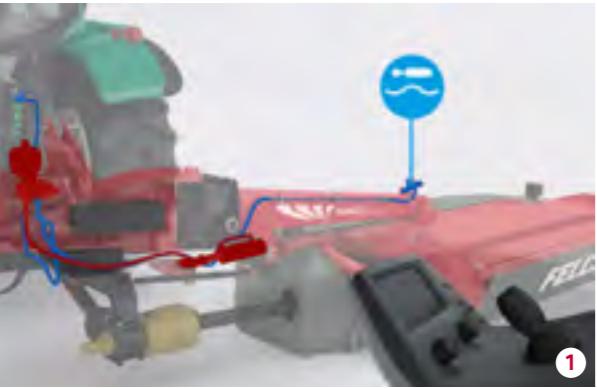


RAMOS spur gear drive

Low weight – highly efficient.

Our technology highlights

Make all the difference.



TurboLift

FREE-FLOATING CUTTING.



The TurboLift cutter bar suspension system from FELLA guarantees continual optimum contact pressure during the entire mowing process. Mowers with TurboLift function with a "floating cut", protecting the sward and reducing forage contamination to a minimum. The innovative control device enables quick, easy and continuous adjustment of the contact pressure for a wide variety of operating conditions – even while driving. This provides an enormous advantage in terms of time and quality, particularly when passing over wet areas. The system is automatically calibrated for any headland. In addition, the frame structure and the skids carry less of a load and fuel consumption drops.

- ▶ Continual adjustment of contact pressure
- ▶ Free-floating cutting
- ▶ Complete control from the tractor seat – even while driving
- ▶ Sward protection – very low level of forage contamination
- ▶ Reduced fuel consumption

EASYSWING
approx. 9° to the rear, approx. 400 mm upwards



1 TurboLift – the hydropneumatic cutter bar suspension system can easily be controlled from the tractor seat. Constant contact pressure with infinitely variable adjustment, can also be adjusted while driving

2 "Floating cut" for protecting the sward, improved forage quality and little stress on the structure

3 The optimal contact pressure reduces fuel consumption.

4 Suspension system for the parking position, available at the press of a button. Optimal pressure is automatically produced when attaching.

ComfortChange

STAYS SHARP – WITHOUT A BREAK.



The FELLA ComfortChange quick blade change system enables you to change the blades quickly and easily, when required. The blade key is all you need to change the blades. It can be secured so that you have both hands free. With ComfortChange, the blade is automatically locked in place and reliably secured. ComfortChange reduces the usual maintenance times considerably. This saves you both time and money.

- ▶ Straightforward blade change
- ▶ No tools required



SafetySwing/EasySwing

SWINGING INTO ACTION.



SAFETYSWING
approx. 20° to the rear, approx. 620 mm upwards

The FELLA impact guards provides optimum safety on any field and reliably protects your machine from damage caused by hitting obstructions. If the mower encounters an obstacle, it will fold back and away and then automatically return to its original position under its own weight.

Special features of the SafetySwing:
Each mower unit is protected separately and can therefore separately swing out of the way. The pivot point of the mower unit is positioned exactly in the centre of the three-point headstock and therefore guarantees the maximum possible leverage. As a result, the mechanism is activated even if you hit an obstacle with one of the inner mower discs.

- ▶ Secures every mower unit when an obstacle is hit
- ▶ Independently realigns itself to the working position



EASYSWING
approx. 9° to the rear, approx. 400 mm upwards





Alpine front-mounted disc mowers

Lightweight and perfectly suited to alpine terrain thanks to a compact headstock

RAMOS **210 FK-S** **260 FK** **260 FP** **260 FP-S**

Approx. working width in m	2.05	2.50	2.50	2.50
Approx. swath width in m	1.10	1.35	1.35	1.35
Approx. weight in kg	373	410	474	504
Approx. power demand in kW/hp	19/26	22/30	28/38	28/38

Compact angular gear

MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **FK:** Front-attached compact headstock
- **FK-S:** Front-mounting compact headstock with lateral movement
- **FP:** Front-attached oscillating headstock
- **FP-K:** Front-mounted oscillating linkage, short
- **FP-S:** Front-mounted oscillating linkage with lateral movement
- **FQ:** Front-mounted 3D headstock
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units



Front-mounted disc mowers, oscillating linkage

Multiple variants with optimal ground adaptation for universal use

RAMOS **3160 FP** **3160 FP-KC** **3160 FP-RC** **310 FP-K**

Approx. working width in m	3,10	3,10	3,10	3,00
Approx. swath width in m	1,80	1,20-2,00	1,20-2,00	2,00
Approx. weight in kg	710	1.015	1.045	694
Approx. power demand in kW/hp	44/60	56/75	52/70	55/75

Spur gear drive with EcoMode



Compact angular gear

Front-mounted disc mowers, 3D headstock with trailing linkage

Perfect for operating in mower combinations

RAMOS **3160 FQ** **3160 FQ-KC** **3160 FQ-RC**

Approx. working width in m	3.10	3.10	3.10
Approx. swath width in m	1.80	1.20-2.00	1.20-2.00
Approx. weight in kg	950	1.238	1.238
Approx. power demand in kW/hp	44/60	56/75	52/70

Spur gear drive with EcoMode

RAMOS **3670 FQ** **3670 FQ-KC** **3670 FQ-RC**

Approx. working width in m	3.60	3.60	3.60
Approx. swath width in m	2.30	1.70-2.50	1.70-2.50
Approx. weight in kg	1.020	1.343	1.373
Approx. power demand in kW/hp	52/70	67/90	63/85

Spur gear drive with EcoMode





Rear-mounted, side attachment

Rear-mounted mowers for smaller tractors and the medium power class

RAMOS 168 InLine 208 InLine 248 InLine 288 InLine

Approx. working width in m	1.66	2.06	2.42	2.82
Approx. swath width in m	0.90	1.25	1.65	2.00
Approx. weight in kg	372	407	437	475
Approx. power demand in kW/hp	22/30	30/41	37/50	44/60

Spur gear drive with inner skid

RAMOS 2460 ISL 2870 ISL

Approx. working width in m	2.42	2.82
Approx. swath width in m	1.65	2.00
Approx. weight in kg	510	550
Approx. power demand in kW/hp	37/50	44/60

Spur gear drive without inner skid



MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **InLine:** Spur gear drive with inner skid
- **ISL:** Spur gear drive without inner skid
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units

Rear-mounted, side attachment

Rear-mounted mowers for smaller tractors and the medium power class

RAMOS

210 210 KC 210 RC 270 270 KC 270 RC 320 320 KC 350

Approx. working width in m	2.05	2.05	2.05	2.55	2.55	2.55	3.00	3.00	3.50
Approx. swath width in m	1.10	0.40–0.95	0.55–0.90	1.60	0.90–1.40	1.05–1.40	1.80	1.35–1.90	2.30
Approx. weight in kg	612	782	835	630	883	980	724	1011	798
Approx. power demand in kW/hp	36/49	48/65	48/65	40/54	55/75	55/75	45/61	63/86	50/68

Compact angular gear





Rear-mounted, middle attachment

FELLA high-performance rear-mounted mowers with TurboLift for a floating cut

RAMOS

RAMOS 2650 TLX 2650 TLX-KC 2650 TLX-RC

Approx. working width in m	2.60	2.60	2.60
Approx. swath width in m	1.40	0.90-1.50	0.90-1.50
Approx. weight in kg	950	1.150	1.150
Approx. power demand in kW/hp	55/75	74/100	74/100
Spur gear drive with EcoMode			

RAMOS

3160 TLX 3160 TLX-KC 3160 TLX-RC

Approx. working width in m	3.10	3.10	3.10
Approx. swath width in m	1.80	1.20-2.00	1.20-2.00
Approx. weight in kg	1050	1350	1350
Approx. power demand in kW/hp	63/85	85/115	85/115
Spur gear drive with EcoMode			

RAMOS

3670 TLX 3670 TLX-KC 3670 TLX-RC

Approx. working width in m	3.60	3.60	3.60
Approx. swath width in m	2.30	1.70-2.50	1.70-2.50
Approx. weight in kg	1200	1500	1500
Approx. power demand in kW/hp	70/95	96/130	96/130
Spur gear drive with EcoMode			

MACHINE DESIGNATIONS

AND ABBREVIATIONS:

- **TL:** TurboLift system
- **TLX:** TurboLift system + X-folding
- **KC:** Tine-rotor conditioner
- **RC:** Roller-conditioner with rubber profile units



Rear-mounted, middle attachment

FELLA high-performance rear-mounted mowers with TurboLift for a floating cut

RAMOS

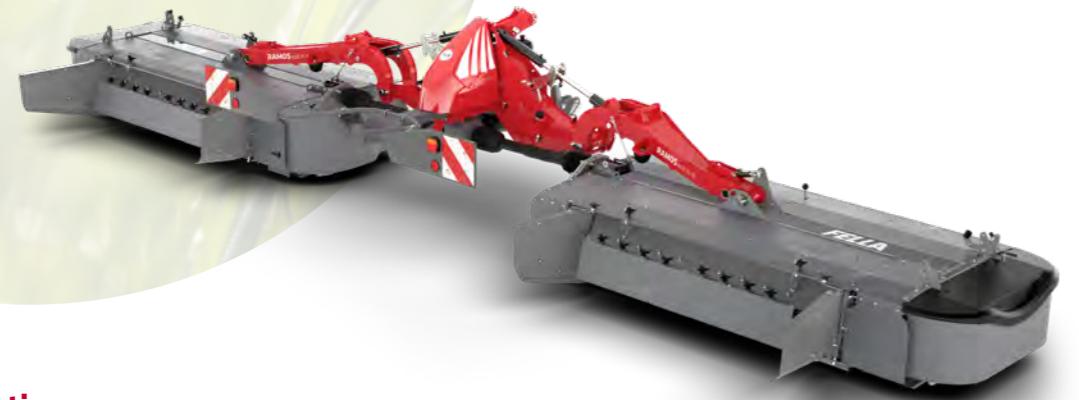
4080 TL

4590 TL

Approx. working width in m	4.00	4.50
Approx. swath width in m	3.30	3.80
Approx. weight in kg	980	1100
Approx. power demand in kW/hp	72/99	84/115

Compact angular gear





Mower combinations

High-performance mower combinations for large area use

RAMOS	8612 TL	8612 TL-KC	8612 TL-RC	9614 TL
Approx. working width in m	8,30/8,60	8,30/8,60	8,30/8,60	9,30/9,60
Schwadbreite ca. m	2x 1,80	2x 1,20 - 2,00	2x 1,20 - 2,00	2x 2,30
Approx. weight in kg	1.610	2250	2310	1.850
Approx. power demand in kW/hp	81/110	110/150	103/140	96/130
Spur gear drive with EcoMode				

NEW



RAMOS	991 TL-KC
Approx. working width in m	9,30
Approx. swath width in m	2x 1,85-3,25
Approx. weight in kg	2.830
Approx. power demand in kW/hp	155/200
Compact angular gear	

MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **KC:** Tine-rotor conditioner
- **KCB:** Tine-rotor conditioner and belt conveyor
- **RC:** Roller-conditioner with rubber profile units
- **TL:** TurboLift system

Mower combination with conveyor belt

Advanced machine technology coupled with a state-of-the-art ISOBUS equipment control system



RAMOS **9314 TL-KCB**

Approx. working width in m	9,30
Approx. swath width in m	2x 1,80-3,00
Approx. weight in kg	3.450
Approx. power demand in kW/hp	168/228
Compact angular gear	



Trailed mowers

Designed to fold in half, their strengths lie in their flexibility and agility for specific applications and mowing enthusiasts

RAMOS **313 Trans-KC** **313 Trans-RC**

Approx. working width in m	3,00	3,00
Approx. swath width in m	0,90-2,25	1,55-1,90
Approx. weight in kg	1.945	1.962
Approx. power demand in kW/hp	66/90	66/90
Compact angular gear		



SANOS Tedders

They can withstand even long working days:
FELLA tedders are stable and durable.
And therefore completely reliable.



SUPER C TINES
The high-performance flexible tines
for stability and elasticity



**SPREADING ANGLE ADJUSTMENT
SYSTEM**
Optimal adjustment of the spreading
angle to any conditions



SANOS Tedders

The FELLA advantage

- ▶ Optimum forage mixing thanks to tines with sides of equal length (comb effect)
- ▶ Spreading angle adjustment system for optimal adaptation to any conditions
- ▶ Excellent ground adaptation thanks to short distance between the running wheel and the tines
- ▶ Outstanding spread pattern thanks to large rotor overlap
- ▶ Durability and reliability thanks to high component stability, robust rotor heads and break-proof Super C tines
- ▶ Convenient operation thanks to hydraulic sequential control for folding and synchronised lifting
- ▶ Very wide product range

COMB EFFECT FOR OPTIMUM DRYING PROCESS

Only equal-sided tines allow you to achieve an optimum mixing of your high-quality forage. This is known as the comb effect since, during the tedding process, the different layers of forage are perfectly mixed together and turned, providing the optimum production of high-quality forage.

Another advantage of using tines with sides of equal length is the consistent load and wear. Furthermore, only one sort of tine is required.



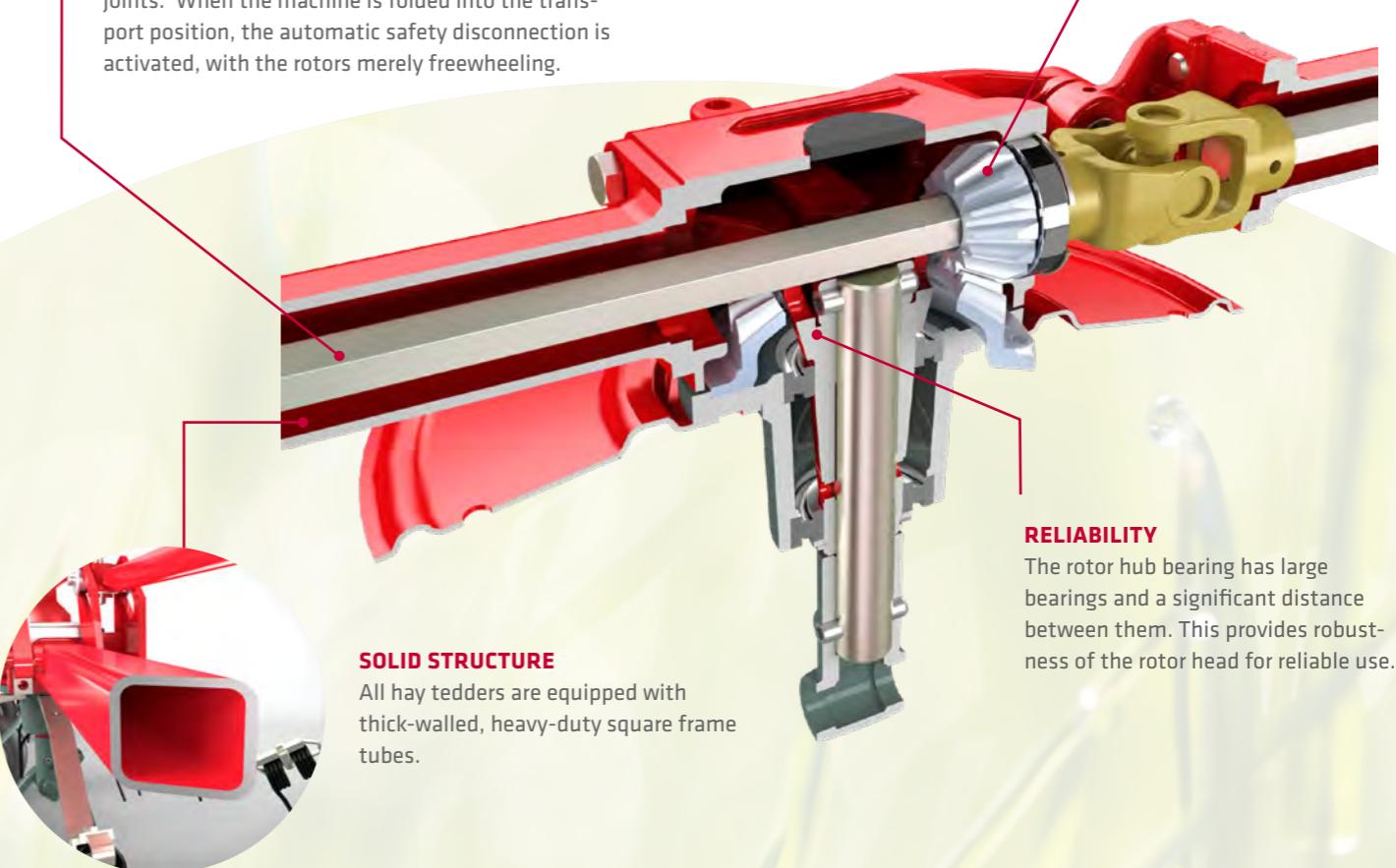
STABILITY AND SMOOTH RUNNING

The large-dimensioned, induction-hardened and ground tooth flanks guarantee smooth running and high break resistance.



OPTIMISED POWER TRANSMISSION

The individual rotors are driven via a large hexagonal shaft and robust, maintenance-free universal joints. When the machine is folded into the transport position, the automatic safety disconnection is activated, with the rotors merely freewheeling.



SOLID STRUCTURE

All hay tedders are equipped with thick-walled, heavy-duty square frame tubes.

RELIABILITY

The rotor hub bearing has large bearings and a significant distance between them. This provides robustness of the rotor head for reliable use.



Hay tedders with three-point attachment, alpine

Light construction, ease of handling and maximum security in extreme situations

SANOS	401 DS	401 DN	431 DN	601 DN
Approx. working width in m	4.00	4.00	4.30	5.70
Approx. weight in kg	305	365	385	498
Approx. power demand in kW/hp	20/27	20/27	22/30	25/34
Number of rotors	4	4	4	6
Number of tine arms per rotor	5	5	6	5
Tyres of rotor chassis	4 x 13/6.50-6	4 x 15/6.00-6	4 x 15/6.00-6	6 x 15/6.00-6



Hay tedders with three-point attachment

With an edge spreading device as standard, the absolute all-rounders for any region under any conditions

SANOS	4504 DN	5204 DN	6606 DN	7706 DN	8608 DN	11010 DN
Approx. working width in m	4.50	5.20	6.60	7.70	8.60	10.70
Approx. weight in kg	574	606	822	946	1172	1535
Approx. power demand in kW/hp	22/30	22/30	30/41	60/82	70/95	88/120
Number of rotors	4	4	6	6	8	10
Number of tine arms per rotor	6	6	6	6	6	6
Tyres of rotor chassis	4 x 16/6.50-8	4 x 16/6.50-8	6 x 16/6.50-8	6 x 16/6.50-8	6 x 16/6.50-8 2 x 18.5/8.50-8	8 x 16/6.50-8 2 x 18.5/8.50-8



Hay tedders with transport chassis

Compact on the road, big in action

SANOS	800 Trans	901 Trans	11008 Trans	13010 Trans
Approx. working width in m	7.70	8.60	10.20	12.70
Approx. weight in kg	1237	1660	1860	2160
Approx. power demand in kW/hp	30/41	40/54	40/54	66/90
Number of rotors	6	8	8	10
Number of tine arms per rotor	6	6	6	6
Tyres of rotor chassis	4 x 16/6.50-8 2 x 18/8.50-8	6 x 16/6.50-8 2 x 18.5/8.50-8	6 x 16/6.50-8 2 x 18.5/8.50-8	8 x 16/6.50-8 2 x 18.5/8.50-8



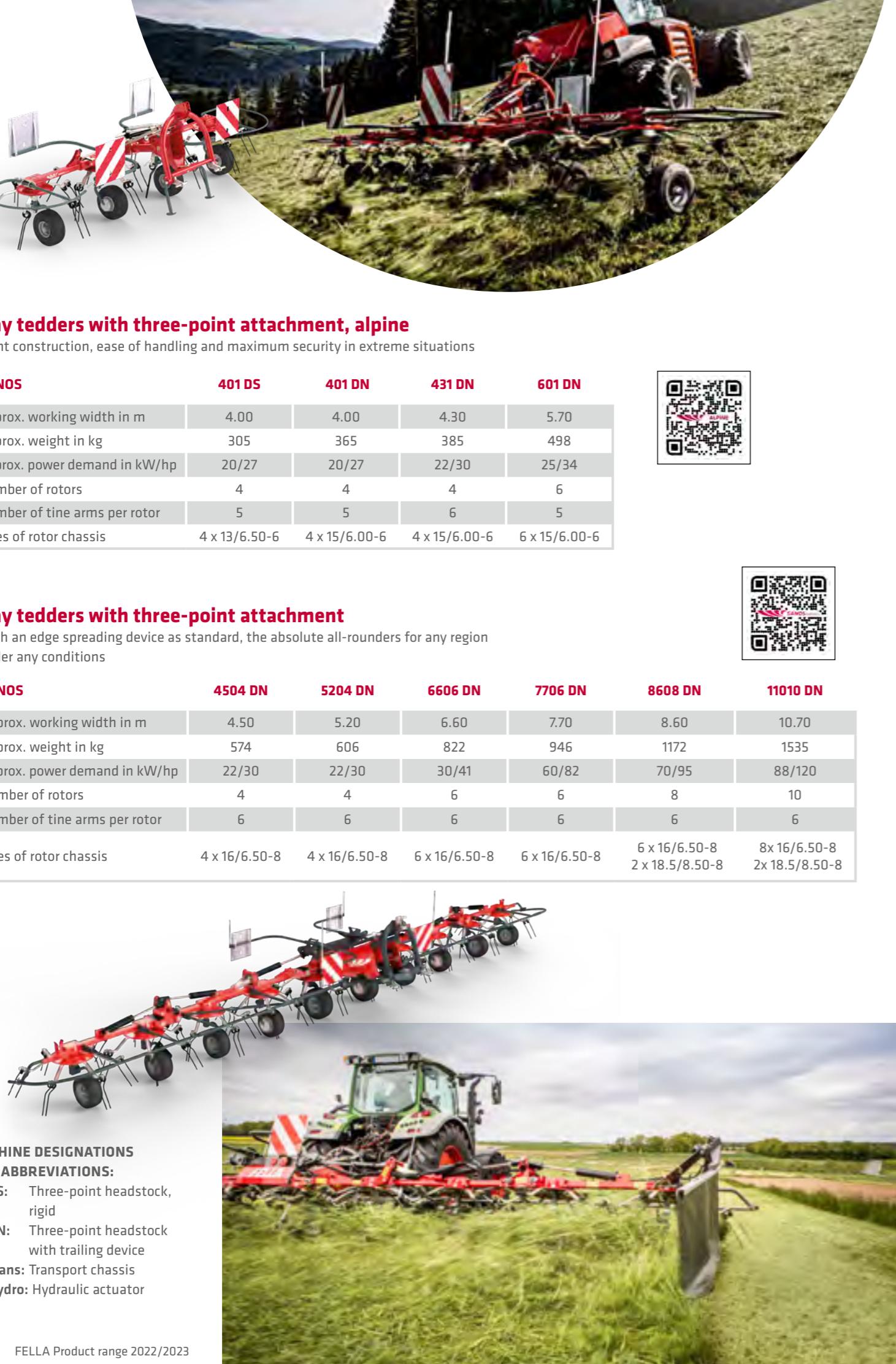
Trailed hay tedders

Tried-and-tested technology with a broad spectrum of working widths and optimum ground adaptation



SANOS 1100 Hydro and 1300 Hydro

Approx. working width in m	10.20	12.70
Approx. weight in kg	1090	1305
Approx. power demand in kW/hp	35/48	45/61
Number of rotors	8	10
Number of tine arms per rotor	6	6
Tyres of rotor chassis	8 x 16/6.50-8	10 x 16/6.50-8



MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **DS:** Three-point headstock, rigid
- **DN:** Three-point headstock with trailing device
- **Trans:** Transport chassis
- **Hydro:** Hydraulic actuator

JURAS Rakes

Exact swath formation, even under harsh conditions:
The JURAS rakes from FELLA impress with their robust,
tried-and-tested design and innovative detailed solutions.



STEERGUARD
The patented steering system
for total precision



**FULLY CARDANIC
ROTOR SUSPENSION**
Ground sensing on top form



JURAS Rakes

The FELLA advantage

- ▶ Wide product range thanks to optimal combinations of technology for a wide range of harvesting conditions
- ▶ Perfect ground adaptation thanks to sophisticated designs and the use of innovative technology
- ▶ Durable rake heads thanks to enclosed design
- ▶ Stability and operational reliability thanks to the use of the highest-quality materials and components
- ▶ High level of operational reliability thanks to overload protection and freewheeling clutch for all power trains
- ▶ The rake is always in view thanks to the swath positioning on the right



DURABILITY

The bolted connection to conical rings results in a stable, low-maintenance unit with perfect centring and stability for a long service life.



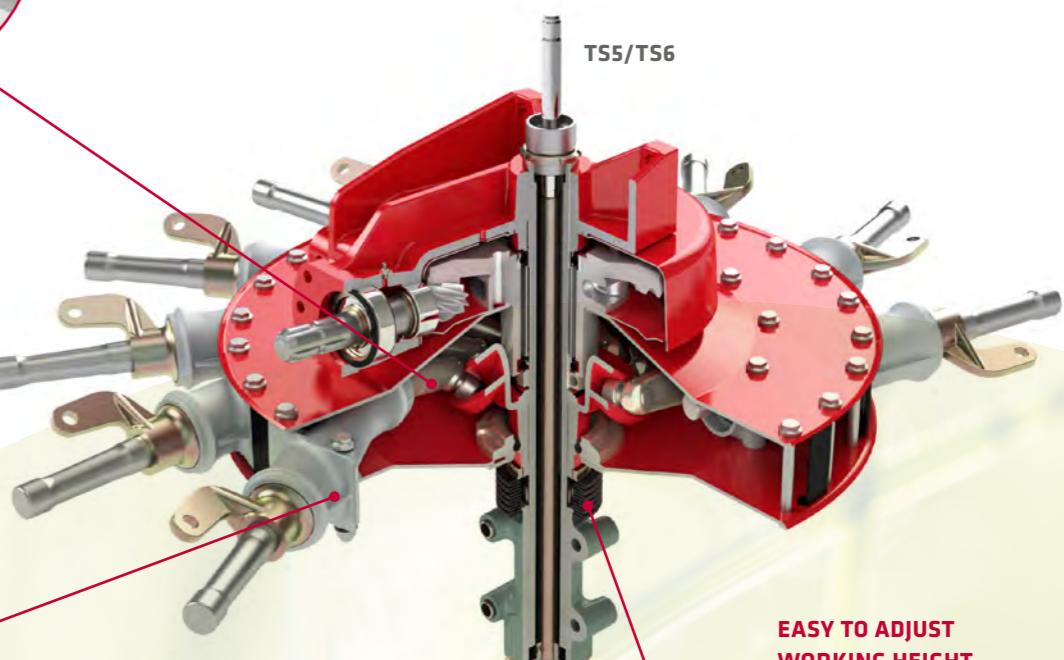
HIGH WORKING SPEED

The tangential arrangement of the rotor arms allows high-speed working without compromising on raking quality.



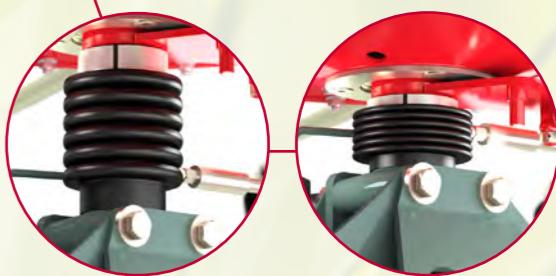
OPTIMUM SWATH FORMATION

The optimised shape of the cam track, which is made of unbreakable spheroidal graphite cast iron, provides maximum smooth running and quick, precise lifting of the tines.



EASY TO ADJUST WORKING HEIGHT

The linear height adjustment allows adaptation to ground conditions.



STRONG AND MAINTENANCE-FREE

A typical feature of the TS5/TS6 the bearing tubes made from a single piece of high-quality cast aluminium with precision ball roller bearings – very stable, but also light and completely maintenance-free.

Our technology highlights

Make all the difference.

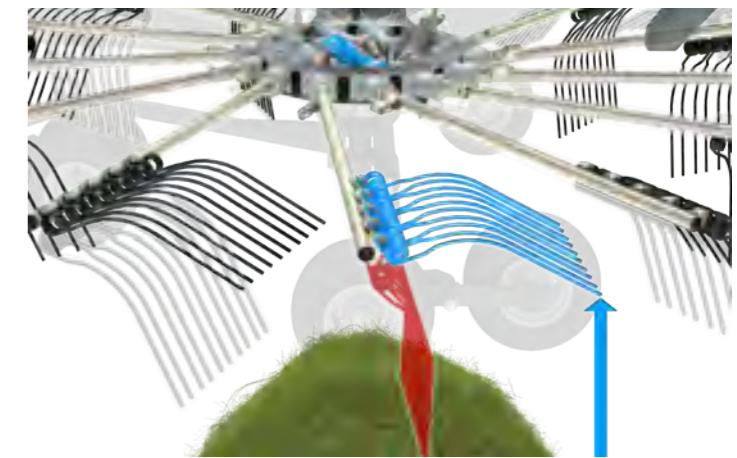
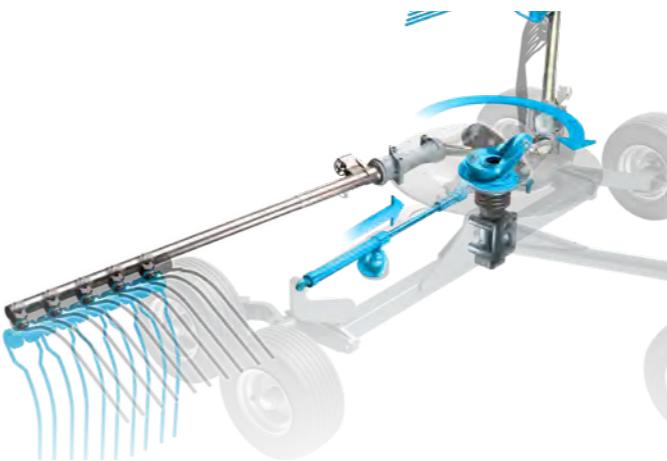
Jet effect

SOFT LANDING, PROPER TAKEOFF



Due to the fully cardanic rotor suspension and weight distribution of the rotor, the rotor lifts first at the front and then at the back. When lowered, the rear wheels make contact with the ground first, and then the front wheels. In this way, the tines are prevented from penetrating the ground.

- ▶ No sinking into the ground
- ▶ No damage to the sward
- ▶ No forage contamination



Lifting height with CamControl: more than 50 cm ground clearance

CamControl

LIFT HIGHER



The CamControl hydraulic cam track adjustment ensures extremely high ground clearance – more than 50 cm – in the headland position. CamControl optimises the timing for lifting the tine arms into the horizontal, passive deposit position when raising the rotors.

It is possible to drive over large swaths without any problem, even with large quantities of forage. At the same time, the rake maintains its low centre of gravity and therefore enables safe turning even on hilly terrain.

- ▶ Maximum ground clearance
- ▶ Drive over large swaths
- ▶ Low centre of gravity for safe turning



steerGUARD

PERMANENT FLEXIBILITY



FELLA is the only manufacturer on the market to offer a steering system for the rake which operates within the frame. The steering shaft is protected against damage by the frame and, unlike externally located steering systems, only has two moving joints. As a result, accurate steering and safety is guaranteed, even after years of use.

The greatest benefit of this steering system lies in the very positive and direct transmission of the steering movement. The rake always runs exactly in the track of the tractor and is extremely agile. Furthermore, this type of steering guarantees very smooth running even at high speeds.

- ▶ Patented steering system – exclusive to FELLA
- ▶ Long-lasting steering precision
- ▶ Direct steering transmission
- ▶ Precise trailing
- ▶ Safe and quick travel even at 40 km/h (country-specific)



Fully cardanic rotor suspension

GROUND SENSING ON TOP FORM



The patented fully cardanic rotor suspension ensures that perfect ground adaptation is guaranteed even under the most difficult of working conditions. The rotor can follow the ground perfectly independent of the frame, whether inclined longitudinally or transversely. As a result, forage lying in recesses and depressions can be recovered without loss.

Damage to the sward by the tines is safely avoided even in hilly terrain.

- ▶ Three-dimensional ground adaptation
- ▶ Minimum forage contamination
- ▶ No loss of forage





Three-point attachment with rigid headstock

Front- or rear-mounted – at home in the mountains

JURAS

351 DS

Approx. working width in m	3.60
Approx. rotor diameter in m	2.70
Approx. weight in kg	370
Approx. power demand in kW/hp	25/34



Tractor linkage drawbar/ hitch attachment

Large working widths with lightweight tractors

JURAS

456 T

Approx. working width in m	4.50
Approx. rotor diameter in m	3.40
Approx. weight in kg	600
Approx. power demand in kW/hp	30/41



Three-point attachment with follow-up device

Versatile and powerful for any region under any conditions

JURAS

301 DN

351 DN

391 DN

400 DN

426 DN

456 DN

Approx. working width in m	3.40	3.60	3.80	3.85	4.20	4.50
Approx. rotor diameter in m	2.50	2.70	2.90	3.00	3.20	3.40
Approx. weight in kg	360	420	440	520	580	620
Approx. power demand in kW/hp	17/23	20/27	20/27	20/27	30/41	30/41



MACHINE DESIGNATIONS AND ABBREVIATIONS:

- **DS:** Three-point headstock, rigid
- **DN:** Three-point headstock with trailing device
- **T:** Tractor linkage drawbar/hitch





Two-rotor rake with lateral window deposition

All-rounder with or without transport chassis for single- or double-swath positioning

JURAS	1502	1402	1452	1603	7850	7850 PRO
Approx. working width in m	6.30/7.00	5.75/6.65	5.80/6.70	6.60/7.70	7.80/8.40	7.80/8.40
Approx. swath width in m	0.60-1.90	0.60-1.90	0.60-1.90	0.60-1.90	0.60-1.90	0.60-1.90
Number of possible swaths	2	2	2	2	2	2
Approx. weight in kg	1380	1550	1580	2100	2400	2450
Approx. power demand in kW/hp	33/45	19/26	19/26	30/41	44/60	44/60



Two-rotor rake with central window deposition

Extremely flexible with variable working and swath width and suitable for a wide range of harvesting demands

JURAS	671	801	880	8055 PRO	10065	10065 PRO
Approx. working width in m	5.80-6.60	6.80-7.60	7.20-8.00	7.20-8.00	8.80-10.00	8.80-10.00
Approx. swath width in m	1.20-1.80	1.20-2.00	1.20-2.00	1.20-2.00	1.30-2.20	1.30-2.20
Number of possible swaths	1	1	1	1	1	1
Approx. weight in kg	1350	1875	1900	2050	2900	2950
Approx. power demand in kW/hp	19/26	30/41	35/48	35/48	51/70	51/70



Four-rotor rake with central window deposition

High performance for large area use – from the basic variant to the premium variant with ISOBUS control system



JURAS	4000	12545	12545 PRO	14055 PRO
Working width approx. in m	10.00-12.50	10.60-12.50	10.60-12.50	10.50 - 13.80
Swath width approx. in m	1.20-2.20	1.20-2.20	1.20-2.20	1.30-2.60
Number of possible swaths	1	1	1	1
Weight approx. in kg	4300	4600	4750	6000
Approx. power demand in kW/hp	59/80	59/80	59/80	96/130

NEW

100 years of tradition and innovation from Franconia

FELLA is a byword for innovative agricultural machinery from Franconia. Now a part of AGCO GmbH, FELLA occupies a leading position in the demanding segment of forage harvesting machinery – and can look back on a 100-year success story. A story that is far from over ...

**BECAUSE WE ARE PASSIONATE
ABOUT AGRICULTURE.**

"Red sky at night, shepherd's delight." Whether you should take old adages like this seriously is anybody's guess. We certainly cannot tell you, but as specialists in Made in Germany forage harvesting technology, what we can do is provide you with the equipment you need to reap the benefits of those crucial moments when they arise. Our equipment is robust, reliable, and subject to continuous improvement – and has been for over 100 years.



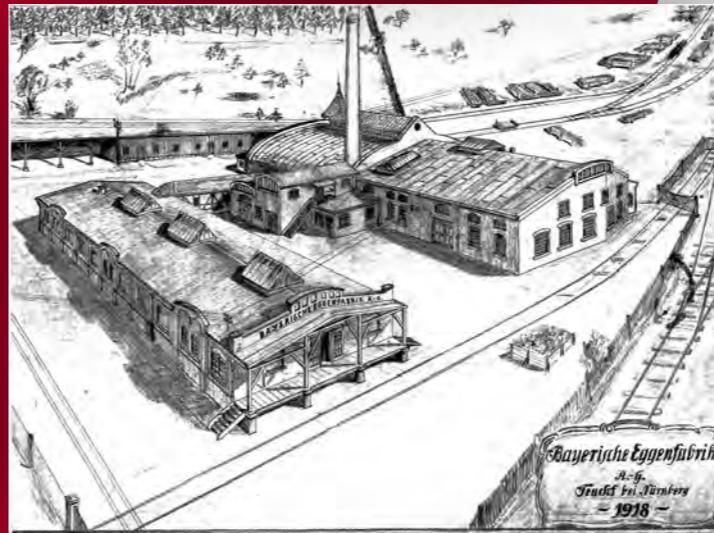
Ein historischer Überblick

- ▶ **1918** Founding of "Bayerische Eggenfabrik AG" in Feucht
- ▶ **1921** The brand name FELLA is created, derived from the Egyptian word "Fellache" (= farmer).
- ▶ **1923** Ploughs and front carriages are incorporated into the product range.
- ▶ **1932** Introduction of grass mowers, hay tedders, horse rakes and reaper-binders to the product portfolio
- ▶ **1953** FELLA brings its first conditioner with tine rotor to the market. It is awarded with the "große Bronzene Preismünze" (great bronze medal) by the DLG (German Agricultural Association).
- ▶ **1954** With the Jupiter, FELLA brings an automatic, powerful combine harvester to the market.
- ▶ **1968** Introduction of rakes to the product portfolio
- ▶ **1980** Specialisation of products for green forage harvesting
- ▶ **1989** Concentration on the core competences of construction, assembly, sales
- ▶ **1997** The principle of the four "self-controlling factories" is introduced. Two years later, it is awarded with the International Best Factory Award.
- ▶ **2000** Investment in the "new" FELLA (new building, restructuring)
- ▶ **2004** Takeover of FELLA by Argo, FELLA becomes a 100 % subsidiary of Laverda.
- ▶ **2007** Argo and AGCO establish a joint venture, each with a 50 % share, FELLA becomes a part of both companies.
- ▶ **2011** 100 % takeover by AGCO: FELLA becomes the competence centre for green forage harvesting of AGCO in Europe.
- ▶ **2013** FELLA's 95th anniversary
- ▶ **2015** Name change to AGCO Feucht GmbH: The FELLA brand remains independent
- ▶ **2018** Celebrating 100 years of agricultural engineering in Feucht
- ▶ **2019** Extensive investment in production expansion (new assembly hall, new factory layout)

**CONQUERING THE GLOBAL MARKET WITH
BAVARIAN WORKMANSHIP.**

As the First World War drew to an end, the demand for agricultural equipment from the metalworking industry increased. In 1918, Josef Hackl and Albert Löffler took advantage of this moment to found the Bayerische Eggenfabrik AG in Feucht, near Nuremberg, and the brand name FELLA was born. A centre of excellence for green forage harvesting whose expertise and experience is second to none was thus established over the course of a century. FELLA was fully incorporated into the AGCO Corporation in 2011, and is now driving the parent company's specialism in harvesting technology forward.

With great passion, driven by a German entrepreneurial spirit and rooted in Bavarian tradition, the company continues its success story and will continue to serve the global market in future.



Experience in Hay

- ▶ Centre of excellence for green forage harvesting
- ▶ Since 1918
- ▶ Made in Germany
- ▶ Comprehensive range of drum mowers, disc mowers, tedders and rakes





AGCO International GmbH
Victor von Bruns - Strasse 17
CH-8212 Neuhausen am Rheinfall

Your FELLA quality partner