



A name you can trust

FORESTRY

MULCHERS

ENGLISH



A NAME

YOU CAN

TRUST



BERTI

A NAME YOU CAN TRUST

Quality, strength and reliability: the foundations of our work.

Our mission is to offer sturdy, long-lasting equipment designed to minimise the risk of downtime and always ensure the best possible performance in the field.

We are a family that believes in the values of collaboration and trust. Every day, with passion and dedication, we create hundreds of machines designed to meet the genuine needs of those who work the land.

We strictly adhere to the highest quality standards, guided by a strong sense of ethics and the responsibility to provide custom solutions for every client.

We look to the future with energy and determination, ready to evolve so we can stay by your side, with products that continue to make a real difference.

INDEX

FEATURES

page 6

ECF/MD

page 22

KX

page 18

EFX/MD

page 24

ECF

page **26**

EFX/DT

page **30**

EFX

page **24**

FOREST PRO

page **32**

ECF/DT

page **26**

DATA AND DIMENSIONS

page **36**

ROTORS

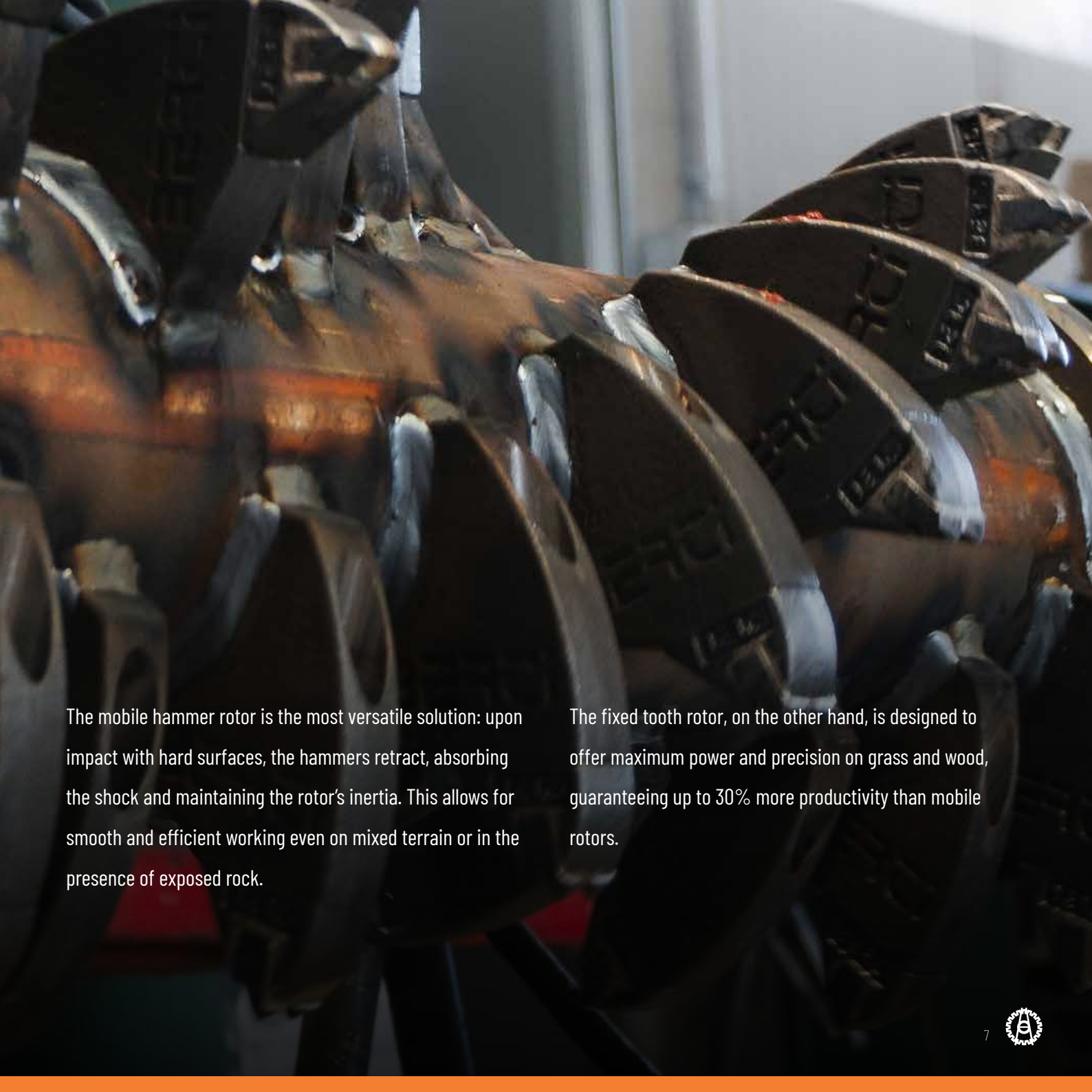
FORESTRY ROTORS

Every Berti rotor is created from a supply chain that is monitored at every stage, from design to final balancing. We use high-quality steel, precision-machined in our factories to ensure maximum strength and durability. Every component is the result of a production process with attention to the smallest details. Every rotor we produce is

tested and balanced. This is how every Berti machine offers the reliability and safety that professionals in the sector expect in all working conditions.

Within the forestry range, Berti offers three different rotor configurations, designed to meet different operational needs.





The mobile hammer rotor is the most versatile solution: upon impact with hard surfaces, the hammers retract, absorbing the shock and maintaining the rotor's inertia. This allows for smooth and efficient working even on mixed terrain or in the presence of exposed rock.

The fixed tooth rotor, on the other hand, is designed to offer maximum power and precision on grass and wood, guaranteeing up to 30% more productivity than mobile rotors.

SMOOTH CUT

THE EVOLUTION OF THE FORESTRY ROTOR

Completing the range, the Smooth Cut forestry rotor represents the latest evolution in Berti technology. Equipped with steel profiles that protect the tooth during impact with vegetation, it reduces power consumption, improves overall working performance and delivers excellent results even in the most demanding conditions.

The advantages of the Smooth Cut rotor are reduced power consumption during operation, increased cutting tool life, reduced stress on the tractor and mulcher transmission, and lower fuel consumption.

Standard on KX, EFK/MD, EFX, EFK/DT, and FOREST PRO models.





BOLTED ROTOR

STUB SHAFTS

The stub shafts of Berti forestry rotors are with bolt-on-design, a solution that increases the strength and reliability of the rotor assembly. The bolted system facilitates maintenance and replacement operations, reducing costs of maintenance and ensuring assembly precision over time. This technical choice demonstrates the care taken

in construction and attention to detail that have always distinguished Berti forestry machines.





TENSIONER

AUTOMATIC BELT TENSIONER

The forestry mulchers are equipped as standard with an automatic belt tensioner.

This device eliminates the need for manual adjustments, as it automatically compensates for the natural elongation of the belts over time, ensuring consistent power transmission and reducing routine maintenance.

The automatic tensioner also simplifies belt replacement operations – belts can be removed easily by hand, without tools, making maintenance faster, safer, and more accurate. Reliability, convenience, and uninterrupted operation – three tangible benefits that reflect Berti's attention to construction details and the real needs of operators.

CHASSIS

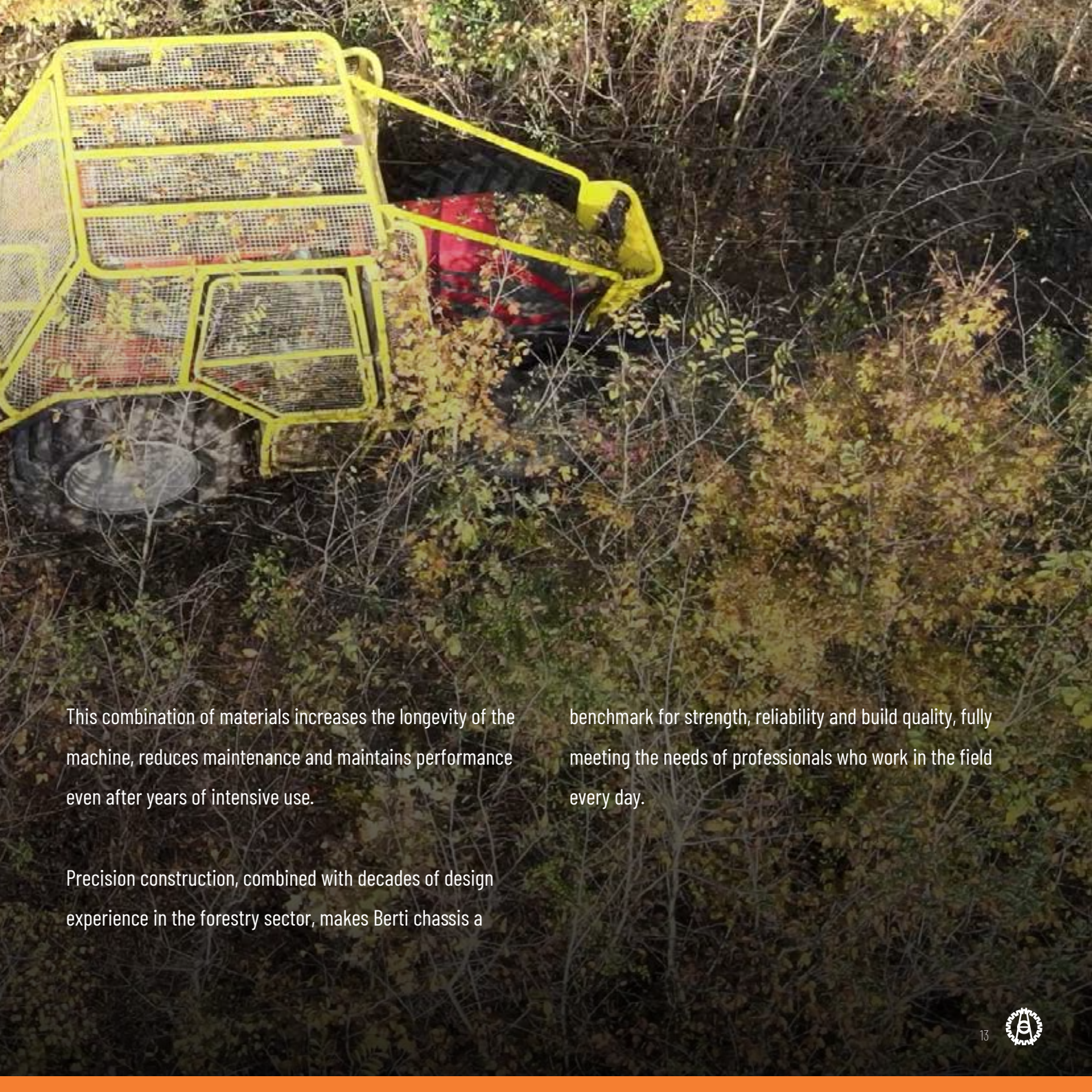
IN STRENX® AND HARDOX® STEEL

The external structure of Berti forestry mulcher is made entirely of Strenx® steel, a high-strength, low-specific-weight material that guarantees an extraordinary combination of strength, durability and structural precision. Each chassis is designed to withstand the highest stresses, maintaining rigidity and stability over

time even in extreme working conditions.

The internal structure of the mulcher, which is most subject to wear, is made entirely of Hardox®, a steel recognised worldwide for its exceptional resistance to abrasion and impact.





This combination of materials increases the longevity of the machine, reduces maintenance and maintains performance even after years of intensive use.

Precision construction, combined with decades of design experience in the forestry sector, makes Berti chassis a

benchmark for strength, reliability and build quality, fully meeting the needs of professionals who work in the field every day.

CENTRIFUGAL

CLUTCH

Berti forestry mulchers can be equipped with centrifugal clutch, a technical solution developed to avoid start-up stress on the PTOs of tractors and mulchers.

During the start-up phase, the centrifugal clutch allows the rotor to gradually reach working speed, avoiding sudden torque peaks and limiting stress on the transmission and

internal components of the mulcher. This makes start-up smoother, safer and more comfortable, ensuring greater protection for both the machine and the tractor.

This technology helps to preserve the durability of the mechanical components over time.





Available on request
on the following models:
ECF/MD - EFX/MD - EFX
EFX/DT - ECF - ECF/DT



HYDRODYNAMIC

JOINTS

FOREST PRO hydrodynamic couplings are designed to optimise power management, ensuring a gradual and controlled start-up of the rotor.

Thanks to hydraulic fluid transmission, these couplings protect mechanical components from overload, reducing wear and extending the machine's service life. In addition

to ensuring safety and reliability, hydrodynamic couplings improve operational efficiency. The combination of fluid dynamics and mechanical precision allows for a smooth and progressive start-up, protecting both the tractor and the mulcher and ensuring consistent performance even in the most demanding conditions.





Standard on the FOREST PRO model

KX

THE NEW COMPACT MODEL IN THE FORESTRY RANGE

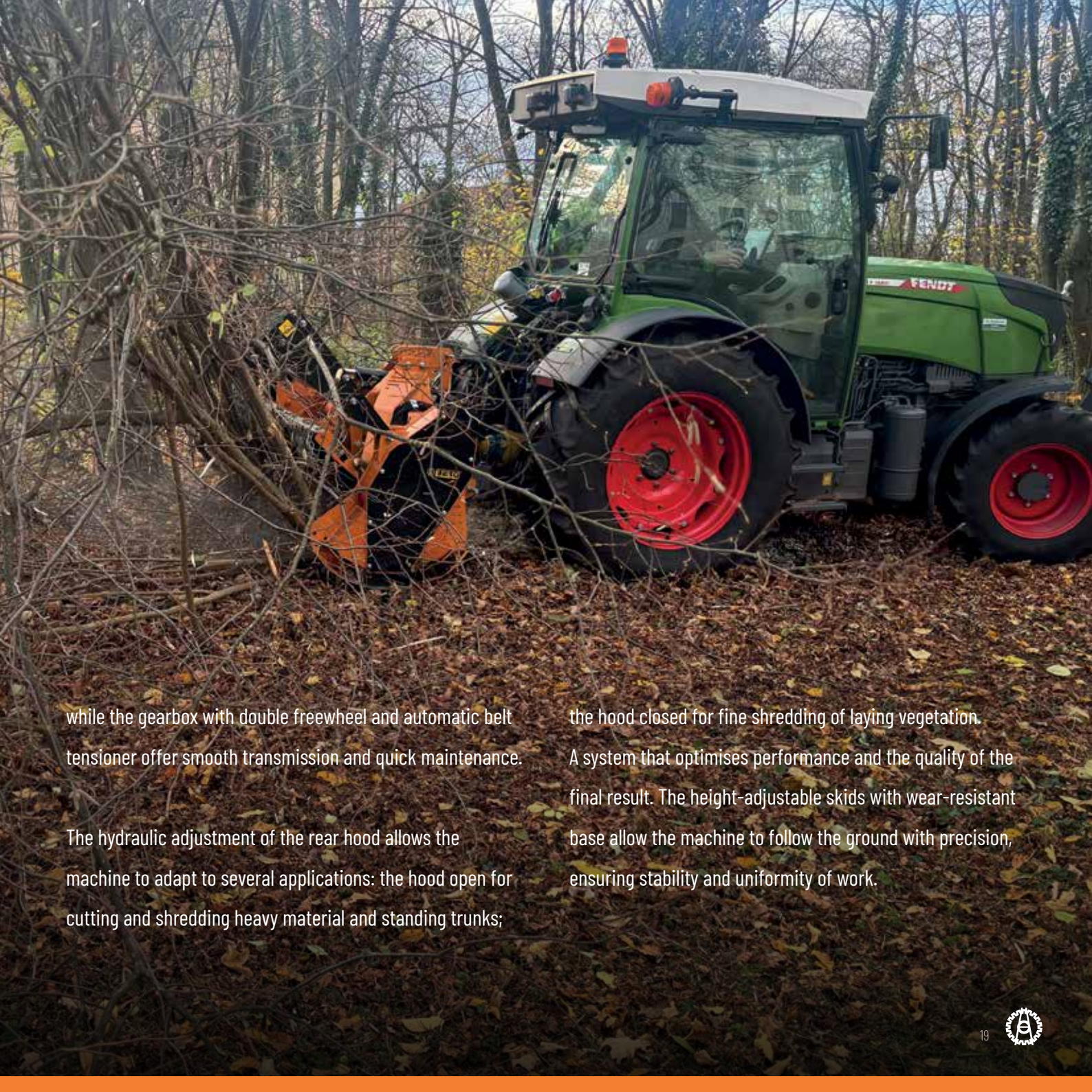
KX is the new forestry mulcher designed for compact tractors from 60 to 110 HP. A solid, reliable and high-performance mulcher, ideal for land clearing, forestry work and bulky pruning residues.

The heart of the KX is the Smooth Cut forestry rotor, which

houses the fixed Berti XF2 teeth made of wear-resistant material. This configuration ensures effective mulching of grass, brushwood and plants up to 12-15 cm in diameter, while maintaining a high quality of mulched material.

The double-box structure guarantees strength and durability,





while the gearbox with double freewheel and automatic belt tensioner offer smooth transmission and quick maintenance.

The hydraulic adjustment of the rear hood allows the machine to adapt to several applications: the hood open for cutting and shredding heavy material and standing trunks;

the hood closed for fine shredding of laying vegetation.

A system that optimises performance and the quality of the final result. The height-adjustable skids with wear-resistant base allow the machine to follow the ground with precision, ensuring stability and uniformity of work.

KX

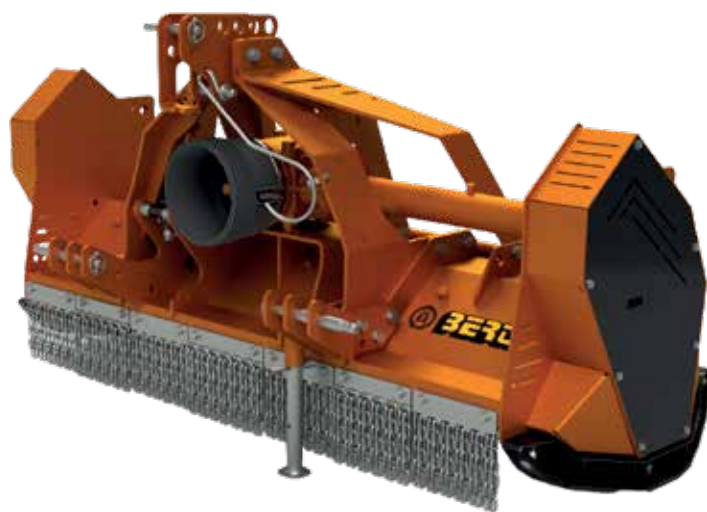
FORESTRY MULCHER WITH FIXED TOOTH ROTOR



60 -110 HP



Ø 12-15 cm



HARDOX®
WEAR PLATE

STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. I-II.
- Double chassis.
- Double free wheel in the gearbox.
- Full automatic belt tensioner.
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- **Fixed tooth rotor, BERTI "SMOOTH-CUT", Ø 360.**
- Counter blades, bolted.
- Fixed tooth Berti "XF2", with tungsten carbide tips.
- PTO 540 rpm (1000rpm on request).
- Accident prevention protections according to EC directives.



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



PTO
drive shaft



ECF/MD

FORESTRY MULCHER WITH SWINGING HAMMER ROTOR



90 -160 HP



Ø 15-18 cm

STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. I-II.
- Double chassis.
- Double free wheel in the gearbox, with 1" 3/4 Z6 input shaft.
- Full automatic belt tensioner.
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- Rotor Ø440.
- Counter blades.
- BERTI 360°-swinging hammer, type "DF", "MF", "MWF".
- PTO 1000 rpm (PTO 540 rpm on request).
- Accident prevention protections according to EC directives.



STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



Conveyor guards
front and rear



Centrifugal clutch
BERTI design



PTO
drive shaft

EFX/MD

FORESTRY MULCHER WITH FIXED TOOTH ROTOR



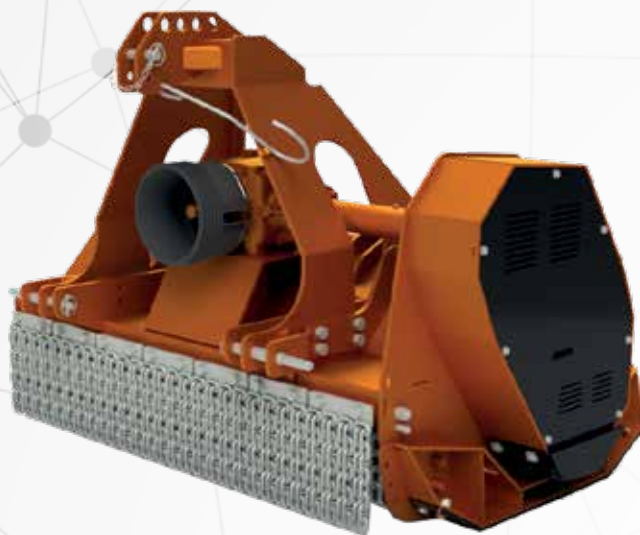
90 -160 HP



Ø 20 cm

STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. I-II.
- Double chassis.
- Double free wheel in the gearbox, with 1" 3/4 Z6 input shaft.
- Full automatic belt tensioner.
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- Fixed tooth rotor, BERTI "SMOOTH-CUT", Ø 440.
- Counter blades.
- **Fixed tooth Berti "XF1", with tungsten carbide tips.**
- PTO 1000 rpm (PTO 540 rpm on request).
- Accident prevention protections according to EC directives.



STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



Conveyor guards
front and rear



Centrifugal clutch
BERTI design



PTO
drive shaft



PTO drive shaft
with cam clutch

ECF

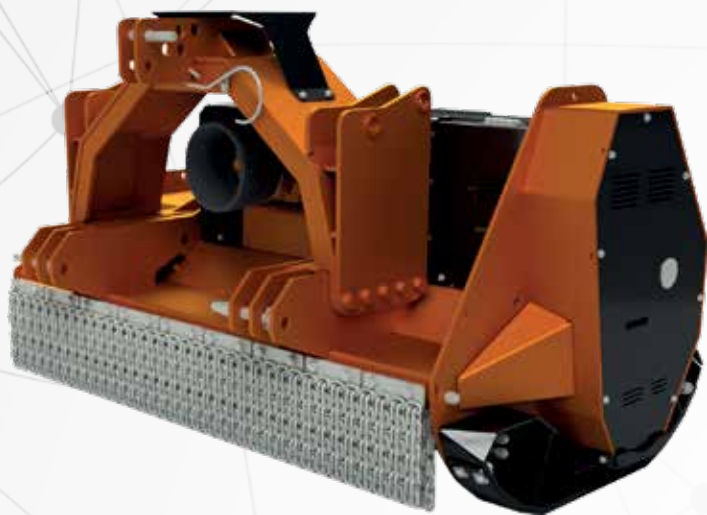
FORESTRY MULCHER WITH SWINGING HAMMER ROTOR



110 -200 HP



Ø 25 cm



STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. II-III.
- Double chassis.
- Gearbox with 1³/₄ (Z6) input shaft.
- Lateral transmission through universal joint.
- Full automatic belt tensioner.
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- Rotor Ø 520.
- Counter blades, bolted.
- BERTI 360°-swinging hammer, type "DF", "MF", "MWF".
- PTO 1000 rpm (PTO 540 rpm on request).
- Accident prevention protections according to EC directives.

STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



Free wheel
in the gearbox



Centrifugal clutch
BERTI design



Rakes "ripper"
on rear hood



Rakes "ripper"
on guard/push frame



PTO
drive shaft

EFX

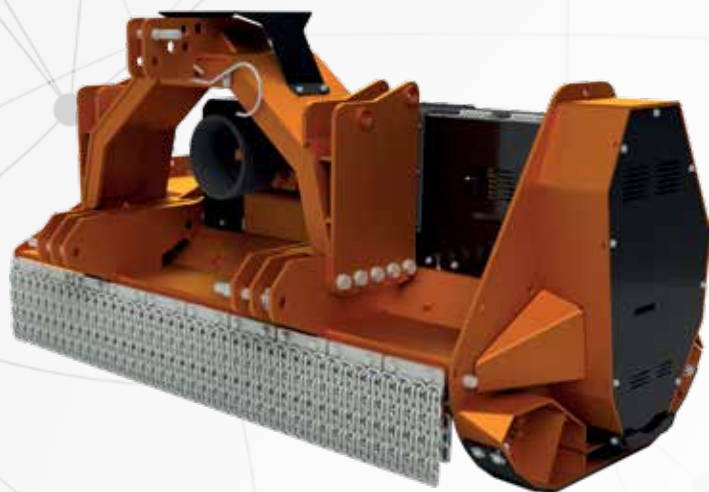
FORESTRY MULCHER WITH FIXED TOOTH ROTOR



110 -200 HP



Ø 30 cm



STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE

STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. II-III.
- Double chassis.
- Gearbox with 1"-3/4 (Z6) input shaft.
- Lateral transmission through universal joint.
- Full automatic belt tensioner.
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- Fixed tooth rotor, BERTI "SMOOTH-CUT", Ø 520.
- Counter blades, bolted.
- Fixed tooth Berti "XP", "XWP" with tungsten carbide tips.
- PTO 1000 rpm (PTO 540 rpm on request).
- Accident prevention protections according to EC directives.



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



Free wheel
in the gearbox



Centrifugal clutch
BERTI design



Rakes "ripper"
on rear hood



Rakes "ripper"
on guard/push frame



PTO
drive shaft



PTO drive shaft
with cam clutch

ECF/DT

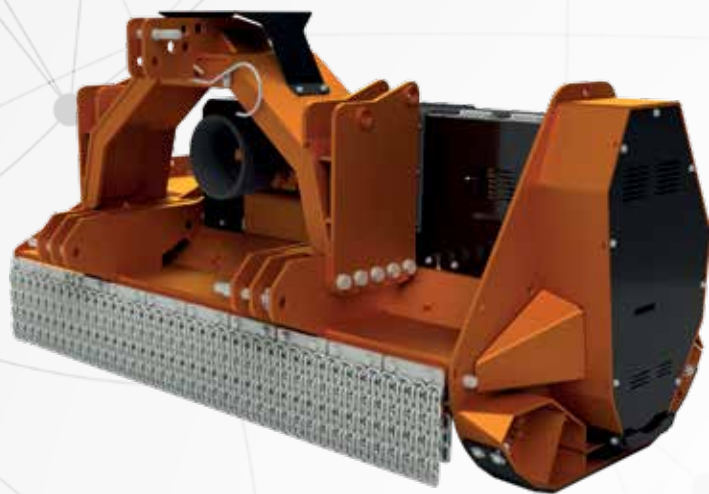
FORESTRY MULCHER WITH SWINGING HAMMER ROTOR



110 -250 HP



Ø 30 cm



STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. II-III.
- Double chassis.
- Gearbox with 1¹/₄ (Z6) input shaft.
- Lateral transmission through universal joint.
- Full automatic belt adjusters
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- Rotor Ø 520.
- Counter blades, bolted.
- BERTI 360°-swinging hammer, type "DF", "MF", "MWF".
- PTO 1000 rpm (PTO 540 rpm on request).
- Accident prevention protections according to EC directives.

STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



Free wheel
in the gearbox



Centrifugal clutch
BERTI design



Rakes "ripper"
on rear hood



Rakes "ripper"
on guard/push frame



PTO
drive shaft





ECF/DT with hydraulic guard/push frame

EFX/DT

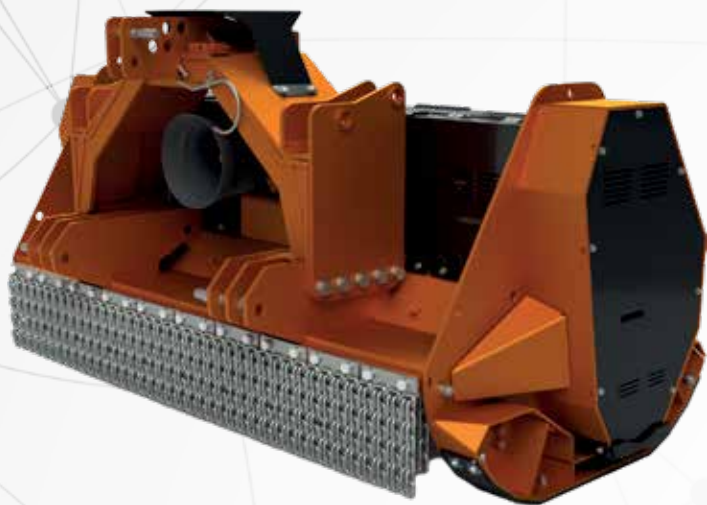
FORESTRY MULCHER WITH FIXED TOOTH ROTOR



120 -250 HP



Ø 40 cm



STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE

STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. II-III.
- Double chassis.
- Gearbox with 1"-3/4 (Z6) input shaft.
- Lateral transmission through universal joint.
- Full automatic belt adjusters
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- **Fixed tooth rotor, BERTI "SMOOTH-CUT", Ø 520.**
- Counter blades, bolted.
- Fixed tooth Berti "XP", "XWP" with tungsten carbide tips.
- PTO 1000 rpm (PTO 540 rpm on request).
- Accident prevention protections according to EC directives.



ACCESSORIES ON REQUEST



Guard/push frame
mech. or hydr.



Free wheel
in the gearbox



Centrifugal clutch
BERTI design



Rakes "ripper"
on rear hood



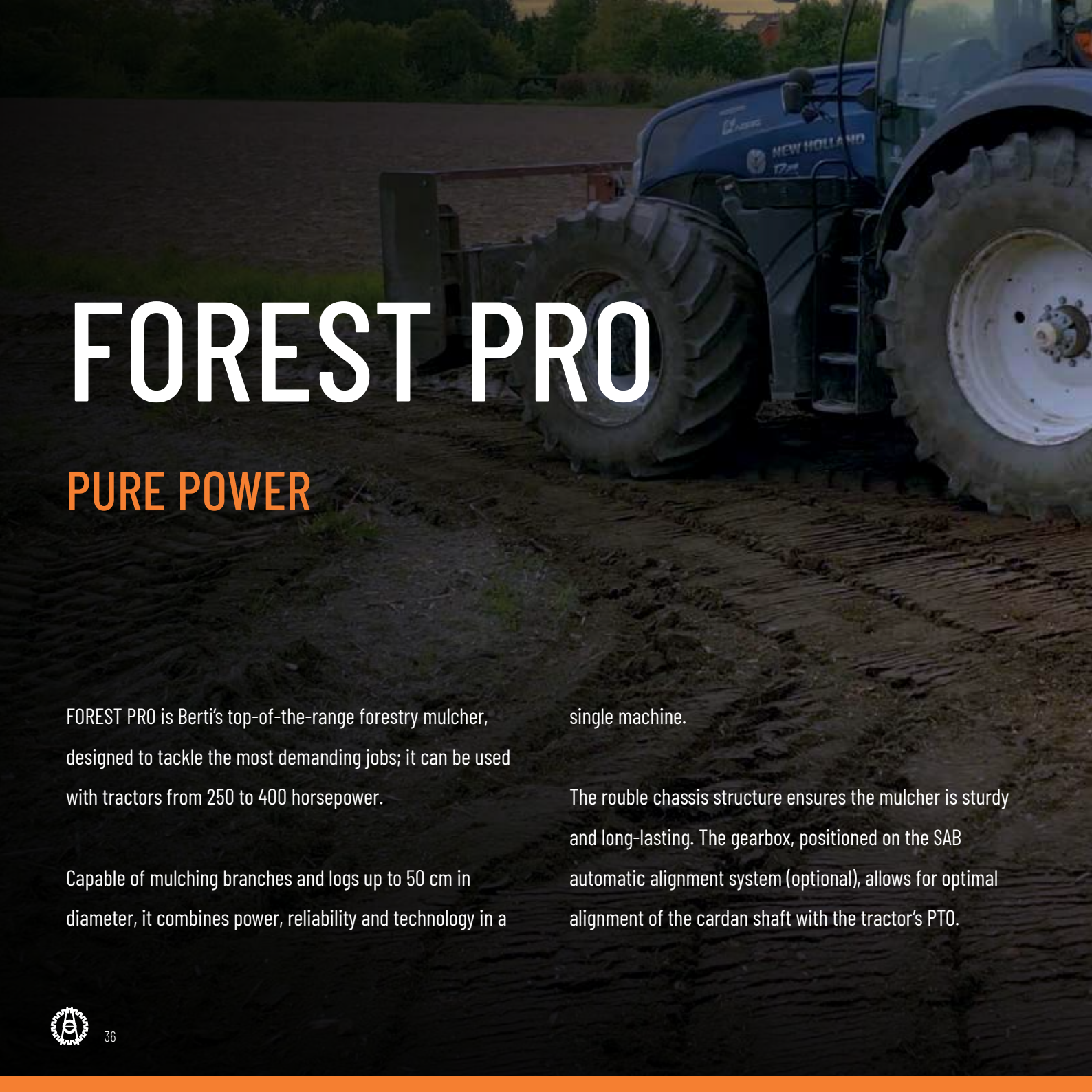
Rakes "ripper"
on guard/push frame



PTO
drive shaft



PTO drive shaft
with cam clutch



FOREST PRO

PURE POWER

FOREST PRO is Bert's top-of-the-range forestry mulcher, designed to tackle the most demanding jobs; it can be used with tractors from 250 to 400 horsepower.

Capable of mulching branches and logs up to 50 cm in diameter, it combines power, reliability and technology in a

single machine.

The rouble chassis structure ensures the mulcher is sturdy and long-lasting. The gearbox, positioned on the SAB automatic alignment system (optional), allows for optimal alignment of the cardan shaft with the tractor's PTO.





The double side cardan transmission, double hydrodynamic couplings and automatic belt tensioners ensure maximum transmission power.

The Smooth Cut Ø600 forestry rotor is the real strength of the FOREST PRO; it can be equipped with BERTI XP or XWP

fixed teeth made of wear-resistant material for consistently effective mulching. With FOREST PRO, power meets precision: a mulcher designed to last and perform at its best even in the most extreme conditions.

FOREST PRO

FORESTRY MULCHER WITH FIXED TOOTH ROTOR



250 - 400 HP



Ø 50 cm



STRENX™ **HARDOX®**
PERFORMANCE STEEL WEAR PLATE

STANDARD EQUIPMENT

- Fixed 3-point linkage, Cat. II-III.
- Double chassis.
- Free wheel in the gearbox, with 1" 3/4 Z20 input shaft.
- Self-aligning system of the gearbox.
- Lateral transmission through universal joint with clutch.
- Full automatic belt adjusters
- **Hydraulic clutch transmission (Max 400 HP), hydrodynamic joints.**
- Rear hood with hydraulic adjustment.
- Skids kit, height adjustable, with anti-wear shoe.
- **Fixed tooth rotor, BERTI "SMOOTH-CUT", Ø 600.**
- Counter blades, bolted.
- Fixed tooth Berti "XP", "XWP" with tungsten carbide tips.
- PTO 1000 rpm.
- Accident prevention protections according to EC directives.



ACCESSORIES ON REQUEST



Guard/push frame
hydr.



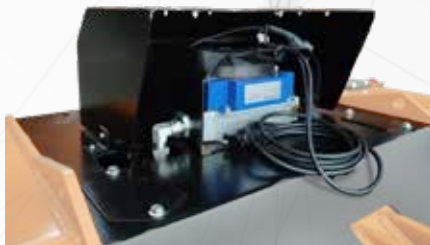
Rear roller for ground compaction
hydraulic adjustable



Rakes "ripper"
on rear hood



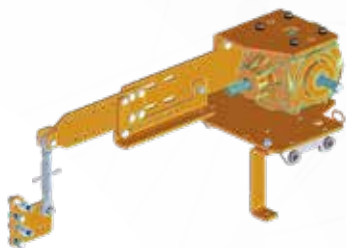
Rakes "ripper"
on guard/push frame



Cooling system
for gearbox



Kit high power belt
KB (2x)



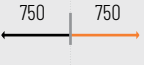
SAB Berti
self-aligning system



PTO drive shaft
with cam clutch

DATA

AND DIMENSIONS

																
	HP															
MODEL	cm	min	max	mm	n°	"DF"	"MF"	"MWF"	n°	PTO	a	b	c	min	max	mm
KX 150	150	60	110		48	/	/	/	4	540 (1000)	105	180	96	690	810	360
KX 170	170	70	110		54	/	/	/	4	540 (1000)	105	200	96	770	890	360
KX 190	190	70	110		60	/	/	/	4	540 (1000)	105	220	96	850	970	360
ECF/MD 160	160	90	140		/	28	28	28	4	1000 (540)	120	195	130	1150	1355	440
ECF/MD 180	180	90	140		/	32	32	32	4	1000 (540)	120	215	130	1240	1445	440
ECF/MD 200	200	90	160		/	36	36	36	5	1000 (540)	120	235	130	1320	1535	440
ECF/MD 220	220	90	160		/	40	40	40	5	1000 (540)	120	255	130	1405	1620	440

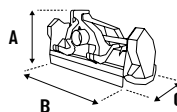


																
	HP					"DF"	"MF"	"MWF"								
MODEL	cm	min	max	mm	n°				n°	PTO	a	b	c	min	max	mm
EFX/MD 160	160	90	140		42	/	/	/	4	1000 (540)	120	195	130	1165	1370	440
EFX/MD 180	180	90	140		42	/	/	/	4	1000 (540)	120	215	130	1230	1435	440
EFX/MD 200	200	90	160		44	/	/	/	5	1000 (540)	120	235	130	1290	1505	440
EFX/MD 220	220	90	160		48	/	/	/	5	1000 (540)	120	255	130	1370	1590	440
ECF 180	180	110	200		/	32	32	32	5	1000	125	220	146	1930	2400	520
ECF 200	200	110	200		/	36	36	36	5	1000	125	240	146	2050	2500	520
ECF 220	220	130	200		/	39	39	39	5	1000	125	260	146	2170	2650	520
EFX 200	200	110	200		44	/	/	/	5	1000	125	240	146	1940	2500	520
EFX 220	220	130	200		48	/	/	/	5	1000	125	260	146	2040	2650	520
ECF/DT 200	200	110	250		/	36	36	36	5+5	1000	123	250	130	2100	2450	520
ECF/DT 220	220	130	250		/	39	39	39	5+5	1000	123	270	130	2250	2620	520
ECF/DT 250	250	150	250		/	45	45	45	5+5	1000	123	290	130	2500	2880	520



DATA

AND DIMENSIONS

		 HP				 "DF"	 "MF"	 "MWF"						 KG		
MODEL	cm	min	max	mm	n°				n°	PT0	a	b	c	min	max	mm
EFX/DT 200	200	120	250		44	/	/	/	5+5	1000	123	250	130	2000	2350	520
EFX/DT 220	220	130	250		48	/	/	/	5+5	1000	123	270	130	2140	2510	520
EFX/DT 250	250	150	250		54	/	/	/	5+5	1000	123	290	130	2380	2760	520
FOREST PRO 250	250	250	400		54	/	/	/	6+6	1000	150	295	160	3500	5000	600



A background of a network diagram with grey nodes and lines on a light grey gradient. The text is centered and reads:

**A NAME
YOU CAN
TRUST**



BERTI MACCHINE AGRICOLE SPA

Via Musi 1/A-3-4

37042 Caldiero (Verona) - Italy

+39 045 61 39 711

bertima.it

info@bertima.it

follow us:

