



KONRAD
one step further.



MOUNTY

The economical solution for steep slopes
from a single source



MOUNTY

Professional timber harvesting on steep slopes ...

... requires professional technology.

With its ergonomically well-thought machine concept, the Mounty sets new standards.

Components perfectly matched to one another result in an economical and extremely powerful machine.

- Compact design
- Ergonomic and safe workplace
- High tower
- Fuel-saving technology
- Quick and easy rigging up
- Comfortable cabin





MOUNTY

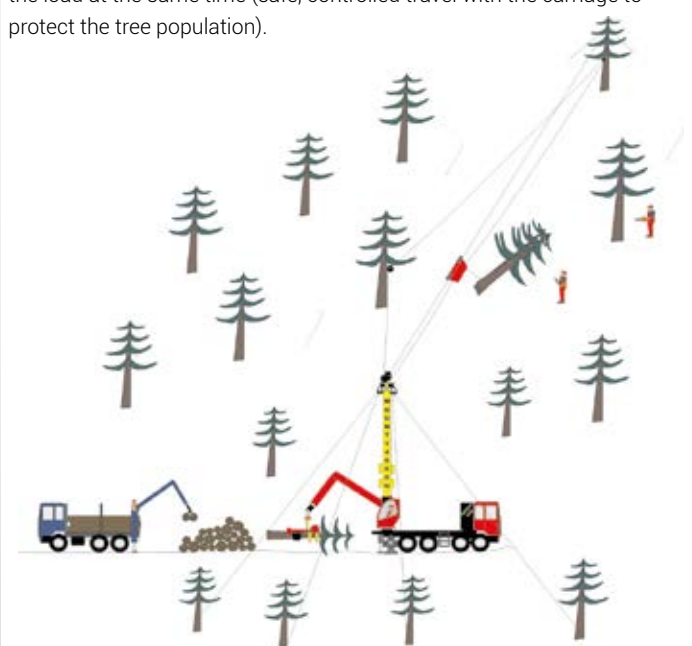
Working with the MOUNTY

The trees are felled in the slope and winched to the combi machine using the whole tree method, where they are delimbed and cut to length by the **WOODY harvester head** and then stored on the forest road. The stored wood can then be transported away directly by truck.

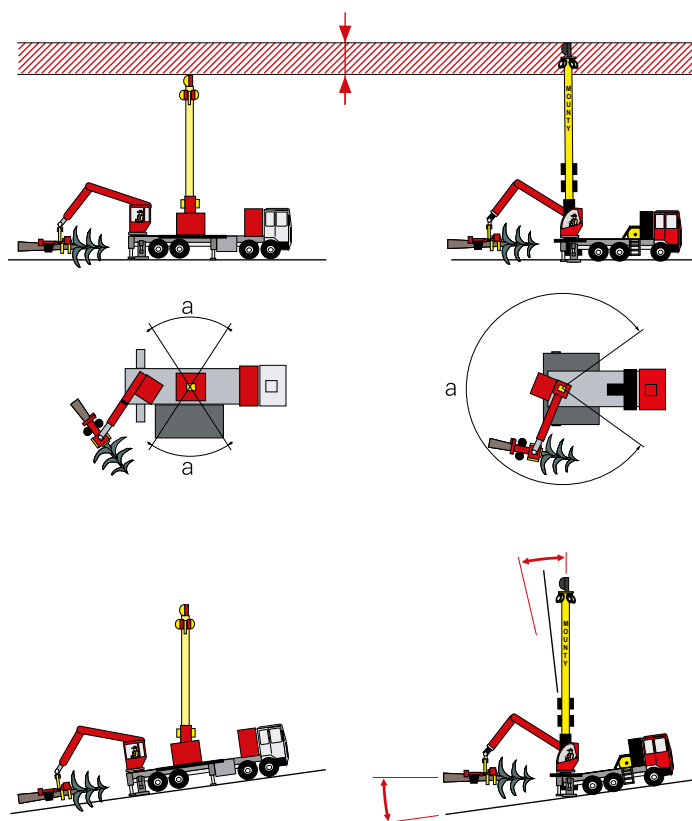
Operation method uphill: The radio-controlled winch carriage LIFTLINER brings with its motor-driven cable winch a considerable relief of the staff in the slopes and thus faster work cycles.



Operation procedure downhill with Mounty-U: The radio-controlled LIFTLINER carriage is operated in a haulback system. Thanks to the integrated hoist winch, the carriage can be moved on the cable and pulling the load at the same time (safe, controlled travel with the carriage to protect the tree population).



The MOUNTY compared to conventional systems





MOUNTY

Skyline cable ejector

- mounted on the mast head
- hydraulically controlled
- easy pulling out of the skyline cable
- pretensioned winding

Strong tower

with internal cables.
For a high security standard.

Tilt function for crane and tower

- consistently high pivoting torque
- always a horizontal sitting position

Option:

6 anchoring drums
possible

Stable crane structure

- The new slewing ring bearing with swivel gear is particularly powerful and at the same time very sensitive to move.
- The intelligent combination of mast and crane cabin unit not only achieves a very high tower, but also a free and clear crane work area.
- Safe working position thanks to adjustable crane cabin.



**Stable radio-controlled
three-point support**

Thanks to the radio control, the
cable crane can be quickly aligned
horizontally from the right angle.





MOUNTY

Cabin

KK2 - the innovative cabin system

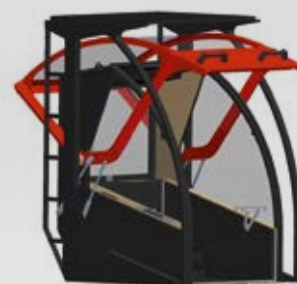
- Automatic door
- Increased security
- Short stop of the carriage
- Improved upward visibility
- Enlarged interior space
- Air conditioning and heating system
- Improved noise and vibration insulation
- Carriage control via joysticks



The door opener – cabin door opens immediately

The chokers can therefore be opened without delay.

With optional automated operation, the cabin door closes again automatically when the driver takes his seat.



New Konrad crane system

- Internal routing hydraulic hoses (no damage caused by cable and chokers)
- Tower lift without additional cylinder
- Reinforced and robust design

Skyline cable guidance / winding

With the help of the radio-controlled skyline cable guide cylinder, the skyline cable can be guided into the tensioning compartment and also moved and wound in a controlled manner in both directions.

Optional rigging winch

- With mechanical free de-winding
- Radio controlled
- 18 kN pulling force
- 1600m capacity



Fuel-saving technology

- Load-dependent speed control
- Optimized hydraulics
- Low working speeds



MOUNTY

The economical solution for steep slopes from a single source.

Not only the cable crane, but also the harvester unit, the carriage, the truck body fitting, as well as the entire machine and radio control come from KONRAD.

That means for the customer:

- Only one contact for service and spare parts
- The first series production of such combination machines guarantees a higher quality as well as an increase in long term strength
- Comprehensive guarantee, with service from the manufacturer for the entire machine
- Austrian quality product
- Forest-friendly working method
- Thanks to the low transfer costs, the MOUNTY combination machine can also be used economically for small quantities of wood
- The innovative construction results in low rigging costs
- The high tower often allows rigging the line without a cable support and gives the working crane additional stability.
- The machine operator is protected by the wide tower on downhill work.
- High performance with low machine costs



The perfectly coordinated components result in a compact and extremely powerful machine

To the MOUNTY video

In order to be able to present our products even better, there is now also a video: Simply scan the QR code and see for yourself

www.forsttechnik.at/mt_en





MOUNTY

Operation

Control unit KTC 1.0

- Clear display with touch control
- Visual display of the carriage, cable support and end point positions
- Easiest operation
- Central control and monitoring of::
 - WOODY
 - Cable crane
 - Truck carrier machine
 - Hydraulic system
- All setting points with text description
- Most precise evaluation of the production data
- Print production data, save them on a USB or send by e-mail
- Operating data acquisition and evaluation
- Remote maintenance via the Internet



KONRAD CLOUD

The data recorded by the digital measuring devices, instruments and sensors are processed by the in-house software. The following information can be called up in the KONRAD CLOUD:

- Production data
- Data provision
- Working time measurement
- Recording of operating conditions such as work, rigging, transfer, maintenance, etc..
- Fuel consumption
- Display of maintenance intervals
- Location of the machine

Radio technology

All machine functions are carried out by radio remote control:

- Machine support
- Landing ramps
- Guy line winches
- Skyline winch and cable guide
- Main line winch
- Haulback line winch
- Strawline winch
- Start / stop of truck engine
- Changing the crane cabin
- Carriage functions such as hoist winch and engine start / engine stop
- Automatic distance control including the programming and programming of obstacles and cable supports.

The following additional functions are possible via the LCD display:

- Reading of operating data, speeds, pressures, temperatures, etc.
- Frequency conversion and frequency selection
- Settings for the carriage, speeds, ramps, etc.
- Use of the handheld radio transmitter as a radio converter



KONRAD CLOUD



Technical data that convince



	MOUNTY MT30-2	MOUNTY MT40-2	MOUNTY MT50-2
Carrier vehicle ²⁾	Mercedes Arocs AK 3342 6x6	Mercedes Arocs AK 3342 6x6 Mercedes Arocs AK 4145 8x6	Mercedes Arocs AK 4145 8x6
Engine power	420 HP	420 / 450 HP	450 HP
Weight	26000 - 29000 kg ¹⁾	28000 - 32000 kg ¹⁾	31000 - 35000 kg ¹⁾
Transport dimensions (L x W x H)	11,90 x 2,50 x 4,00 m ¹⁾		13,09 x 2,50 x 4,00 m ¹⁾
Tower height	13,0 m ¹⁾ ⁴⁾		14,2 m ¹⁾ ⁴⁾
Tilt angle	+6,5° / -6,5°		
Control system	KTC 1.0		
Radio system	KFS-16, KFS-20		
Harvester heads	W52, WH50-1, WH6, WH60-1		WH6, WH60-1

Cable yarder system

	Standard	Long rope	Standard	Long rope	Standard
Sky line winch	Ø18mm/500m	Ø18mm/700m	Ø20mm/600m	Ø20mm/800m	Ø22mm/800m
Pulling force	100 kN		120 kN		
Main line winch	Ø11mm/500m	Ø11mm/700m	Ø12mm/650m	Ø12mm/800m	Ø12mm/800m
Pulling force	30 kN		40 kN		
Guy line winch	4x Ø18mm/60m	Ø18mm/70m	4x Ø20mm/60m	Ø18mm/70m	6x Ø18mm/70m
Pulling force	9 kN				
Straw line winch ³⁾	Ø7mm/1000m	Ø7mm/1400m	Ø7mm/1200m	Ø7mm/1600m	Ø7mm/1600m
Pulling force	18 kN				
Haul back winch ³⁾	Ø10mm/1100m	Ø10mm/1400m	Ø11mm/1200m	Ø11mm/1600m	Ø11mm/1600m
Pulling force	30 kN		40 kN		

Crane system

Crane type	MT22	MT24
Lifting force	200 kNm	220 kNm
Slewing torque	40 kNm	46 kNm
Slewing range	350°	350°
Reach	9,6 m	9,9 m

Hydraulic system

Pumps for the Yarder	Axial piston pump, closed oil circuit, p _{max} 460 bar
Work pump	Axial piston pump, open oil circuit, p _{max} 350 bar
Power take-off pump	Axial piston pump, open oil circuit, p _{max} 100 bar
Hydraulic tank capacity	400 l

- 1) Depending on the respective machine version
 2) Other carrier vehicle on request
 3) Optional
 4) Design: 3-cables, with skyline ejector

Special equipment: In addition to the standard equipment, a wide range of special equipment is available. For more information on standard and optional equipment, please contact your Konrad sales partner.

The manufacturer reserves the right to make technical changes and improvements.



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COMBI-YARDER

Der offroad
Gebirgscharvester



COMBI-YARDER

Technische Daten die überzeugen

	CY25-1	CY35-1
Tragseil	500m/Ø18mm	500m/Ø20mm
Spannkraft	80kN	100kN
Zugseil	500m/Ø10mm	500m/Ø11mm
Nennzugkraft	25kN	35kN
Ankerseile	4x Ø16mm/70m	4x Ø18mm/70m
Masthöhe	11m	
Trägermaschine	Comp. Kettenbagger 16 – 24t	
Seilkransteuerung	KFS-16/KFS-20	

Verschiedene Größen verfügbar - Durchforstung bis Endnutzung



Vorteile

- Geländegängigkeit durch Raupenfahrwerk
- Schnelle und sichere Montage
- Einfachste Bedienung
- Gleichzeitiger Betrieb von Seilkran und Harvesterkopf
- Universell einsetzbar
- Große Masthöhe
- Seilkran abnehmbar
- Komfortabler und sicherer Arbeitsplatz
- Optional mit Teleskop
- Auf alle gängigen Baggermodelle anbaubar
- Kompaktbagger



KONRAD CLOUD

Die von den digitalen Messeinrichtungen, Instrumenten und Sensoren erfassten Daten werden von der hauseigenen Software weiterverarbeitet. Folgende Informationen können in der KONRAD CLOUD abgerufen werden:

- Produktionsdaten
- Datenbereitstellung
- Arbeitszeiterfassung
- Erfassung von Betriebszuständen wie Arbeitsbetrieb, Montage, Überstellung, Wartung, usw.
- Kraftstoffverbrauch
- Anzeige von Wartungsintervallen
- Standorte der Maschine



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E-LINER

Das elektronische Laufwagensystem



E - L I N E R

Das elektronische Laufwagensystem E-LINER

Der **E-LINER** vereint langjährige Erfahrung im Bau von Seilkrananlagen mit modernster Regelungstechnik im Elektronikbereich. Im Unterschied zu anderen Herstellern arbeitet der E-LINER mit temperaturunempfindlichen Starkstromkondensatoren, welche beim Zuziehen von Last geladen werden. Die eigens entwickelten Seilklemmen arbeiten effizient, energiesparend und schonen durch die Verwendung von Aluminium-Klemmbacken Trag- und Zugseil. Der Ausspringschutz ist schlank gehalten und ermöglicht trotz Arretierung eine sanfte und sichere Sattelüberfahrt.

Vorteile

Kunden profitieren von den vielen Vorteilen:

- Bergauf- und Bergab-Betrieb
- Kein Batteriewechsel
- Kein Motorengeräusch
- Geringer Wartungsaufwand
- Minimale operative Kosten
- Geringe elektrische Spannung, keine Verletzungsgefahr
- Aufladen während des Einziehens





E - L I N E R

Der ideale Laufwagen für Durchforstungen und Endnutzung.

EL30-1

In Kombination mit dem Gebirgsharvester MOUNTY 3000 ist der EL30-1 der ideale Laufwagen für Durchforstungen.

Leise, effizient und wirtschaftlich – so könnte man den EL30-1 wohl am ehesten beschreiben. Einhängen – einschalten – arbeiten – ausschalten.

So sieht der Arbeitsablauf mit dem EL30-1 aus.

EL50-1

Der EL50-1 ist der ideale Laufwagen für Durchforstungen und Endnutzungen.

Die kraftvolle Ausspulunterstützung arbeitet selbst bei längeren Seiltrassen effizient und entlastet den Chokermann.

Kein Batterietausch, kein Nachfüllen von Betriebsmitteln und kein Motorengeräusch.

Funksystem

Das neue Bedienhandgerät überzeugt vor allem durch die einfache Handhabung und Bedienung, ein ergonomisches Design und einem stoßfesten leichten Gehäuse.

- Handfunksender mit Display
- Extrem leicht mit großer Batteriekapazität
- Sämtliche Einstellungen über Handfunksender möglich
- Fehlerdiagnose, Anzeige der Betriebsdaten von Dieselmotor und Hydraulikanlage über Display
- Anzeige von Funkfrequenz und Signalstärke
- Universell für alle Konrad-Maschinen mit KFS 16



KONRAD Cloud

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- Produktionsdaten
- Datenbereitstellung
- Arbeitszeiterfassung
- Erfassung von Betriebszuständen wie Arbeitsbetrieb, Montage, Überstellung, Wartung, usw.
- Kraftstoffverbrauch
- Anzeige von Wartungsintervallen
- Standorte der Maschine





E - L I N E R

Technische Daten die überzeugen



	EL30-1	EL50-1
Gewicht	590 kg ¹⁾	750 kg ¹⁾
Nutzlast	40 kN	50 kN
Max. Ausspulkraft	2,5 kN	3,5 kN
Max. Ausspulggeschwindigkeit	2 m/s	
Tragseildurchmesser	Ø18 - 22 mm	
Zugseildurchmesser	Ø10 - 12 mm	Ø11 - 14 mm
Funksystem	KFS-16, KFS-20	

Elektrische Anlage

Kondensator-Ebene	60 V DC (max. 64 V DC)
Batterie-Ebene	24 V DC
Batterie	20 Ah (LiFePO4)

Hydrauliksystem

Hydraulikölpumpe	Radialkolbenpumpe, offener Ölkreislauf	
Max. Betriebsdruck	210 bar	
Füllmenge Hydrauliksystem	10 l	12 l

1) Gewicht inkl. Betriebsmittel

Sonderausstattung: Neben der Serienausstattung steht eine breite Palette an Sonderausstattungen zur Verfügung. Weitere Informationen zu Serien- und Sonderausstattungen erhalten Sie bei Ihrem KONRAD-Vertriebspartner.

Technische Änderungen und Verbesserungen sind dem Hersteller vorbehalten.



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KONRAD

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LIFTLINER

The innovative
carriage system



L I F T L I N E R

The innovative carriage system

With the radio-controlled LIFTLINER trolley, it is possible to work with the “lifting/lowering” and “driving” functions at the same time.



Advantages:

- Uphill and downhill operation
- Fast setup time
- Separate hoist winch
- Allows driving and lifting/lowering at the same time
- Minimal wear and tear on the skyline and mainline cable
- Quick and easy clamping or loosening of the skyline rope clamp (without wedge mechanism)
- Double rollers for safe driving over supports
- Easy handling with the KONRAD handheld remote control
- Radio receiver with integrated converter for a larger working range





LIFTLINER

Particularly gentle and efficient work

Radio system

The new handheld device impresses above all with its simple handling and operation, an ergonomic design and an impact-resistant, light-weight housing.

- Handheld radio transmitter with display
- Extremely light with large battery capacity
- All settings can be made using a handheld radio transmitter
- Error diagnosis, display of the operating data from the diesel engine and hydraulic system
- Display of radio frequency and signal strength
- Universal for all KONRAD machines



VISUALIZATION LIFTLINER LL40-2

Operating statuses can be transmitted in real time thanks to the carriage visualization.

The following data can be displayed, among others:

- Diesel engine condition and regeneration
- Notification of a skyline cable break
- Display of error messages

Service

The innovative LIFTLINER carriage system impresses with its particularly gentle and efficient work during thinning and end use. Precise placements are possible.

- The functions „lifting/lowering“ and „driving“ are possible at the same time
- Particularly gentle and efficient work when thinning
- Precise placement of the logs at the unloading point
- Main line and haul back line pull the carriage
- Skyline clamp is activated by triggering the cable breakage safety device or by manual operation





LIFTLINER

Technical Data that convince



	LL40-2
Weight	1050 kg ¹⁾
Skyline diameter	Ø18 - 22mm
Operating voltage	12 V
Radio system	KFS-12, KFS-16, KFS-20

Diesel engine

Type designation	HATZ 4H50 TICD, 4-cylinder Turbo diesel engine with charge air cooling
Power	55 kW (at 2300 rpm)
Torque	240 Nm (at 1700 rpm)
Displacement	1,95 l
Diesel tank volume	25 l

Winch

Winch motor	radial piston motor
Winch tensile force	nominal tensile force 40 kN
Standard cable	Ø 11 mm / 120 m

Hydraulic system

Hydraulic oil pump	Axial piston pump, closed oil circuit
Max. working pressure	400 bar
Hydraulic oil specification	HVLP 46
Volume of hydraulic system	22 l

1) Weight including equipment, diesel tank empty

Special equipment: In addition to the standard equipment, a wide range of special equipment is available. For more information on standard and optional equipment, please contact your KONRAD sales partner.

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KONRAD

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KMS

The compact Yarding system



K M S

The compact Yarding system

KMS 4000 KM40-2

The compact yarding system KM40-2 is a radio-controlled cable crane system which is mounted on a tandem trailer.

She combines a high degree of work safety with excellent productivity. All machine functions are carried out by radio remote control.

The KM40-2 is available as a 2-cable as well as a 3-cable version. Options such as the straw line winch, long cable version or additional guy line winches show how versatile this compact machine is.

KMR 4000 KR40-2

The KR40-2 is a self-propelled, radio-controlled cable crane system.

The main difference to the KM40-2 immediately catches the eye: the hydraulic chain drive. Even in rough terrain, the KR40-2 reaches its place of work without any problems.

The machine's hydraulic pumps are used for the drive, which allows high travel speeds. In terms of tractive power, performance data and a wide range of options, the KR40-2 is identical to its brother, the KM40-2

Operation

Radio technology

For quick and safe installation, the following elements are controlled by radio as standard.

- Support legs
- Mast kinematics
- Guy line winches
- Skyline winch and skyline guide
- Main line winch
- Haulback line winch
- Straw line winch
- Auxiliary drive
- Start / stop of the diesel engine
- Functions on the carriage, such as hoisting cable winch, as well as engine start/stop
- Distance automatic incl. distance programming and programming of obstacles and cable supports





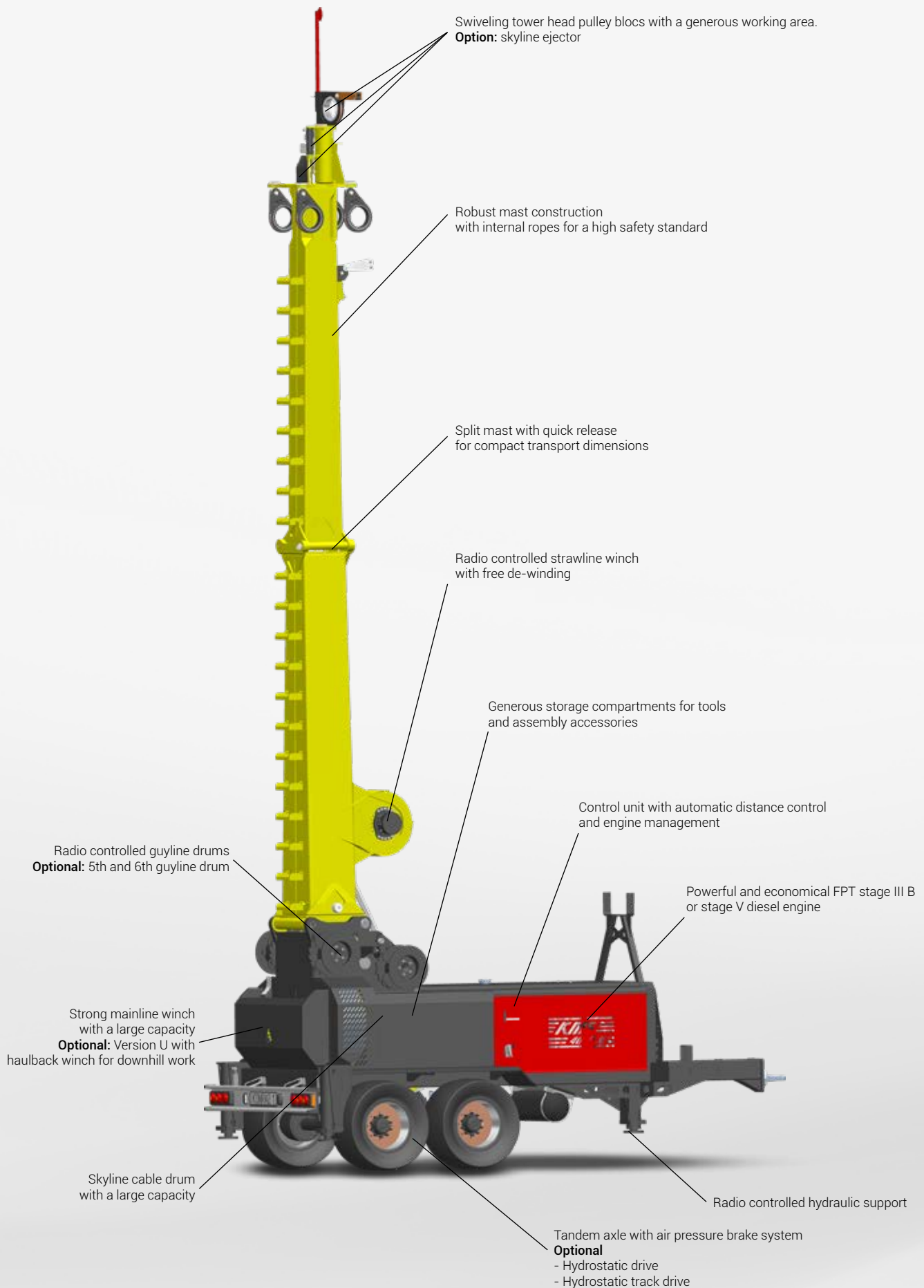
A quantum leap in mobility and flexibility:
The KMS combines a high degree of work safety with an excellent productivity. In addition, it convinces with unbeatable advantages.

- Comfortable operation of the entire system via radio
- Distance control
- High driving speed
- Uphill and downhill transport possible
- Compact design
- Strong pulling power





K M S



Technical data that convince

Model-specific data

	KM40-2	KR40-2
Weight	13260 - 14550 kg ¹⁾	ca. 17000 kg ¹⁾
Transport dimensions (l x w x h)	6,09 x 2,26 x 3,22 m	4,98 x 2,20 x 2,96 m
Tower height	11,0 m ²⁾	
Control system	KTC 1.0	
Radio system	KFS-16, KFS-20	
Traction drive	hydrostatic drive up to 12km/h with radio control	Chain drive, radio controlled
Traction	43 kN	180 kN
Driving speed	Tandem axle with air pressure brakes, mechanical parking brake, design speed 40km/h ³⁾	0 - 4 km/h
Tires	445 / 45 R19,5	

General data

Yarding system

	Pulling force	Cables	
		Standard	Câble longue
Skyline winch	120 kN	Ø20mm / 600m	Ø22mm / 800m
Mainline winch	40 kN	Ø12mm / 600m	Ø12mm / 800m
Guyline winches	9 kN	Ø18mm / 60m	Ø18mm / 70m
Strawline winch ³⁾	18 kN	Ø7mm / 1200m	Ø7mm / 1600m
Haulback line winch ³⁾	40 kN	Ø11mm / 1200m	Ø11mm / 1600m

Engine

	Stage III A (Tier 3)	Stage V
Type of engine	Turbo diesel engine Stage III A (Tier 3) or Stage V	
Engine power (2200rpm)	175 kW	212 kW
Engine torque (1500rpm)	1020 Nm	1160 Nm
Displacement	6,7 l	
Diesel tank volume	170 l	

Hydraulic system

Main pumps	Axial piston pump, closed oil circuit, p _{max} 460 bar
Power take-off pump	Axial piston pump open circuit, p _{max} 280 bar
Filling amount of hydraulic oil tank	160 l

1) Depending on the respective machine version

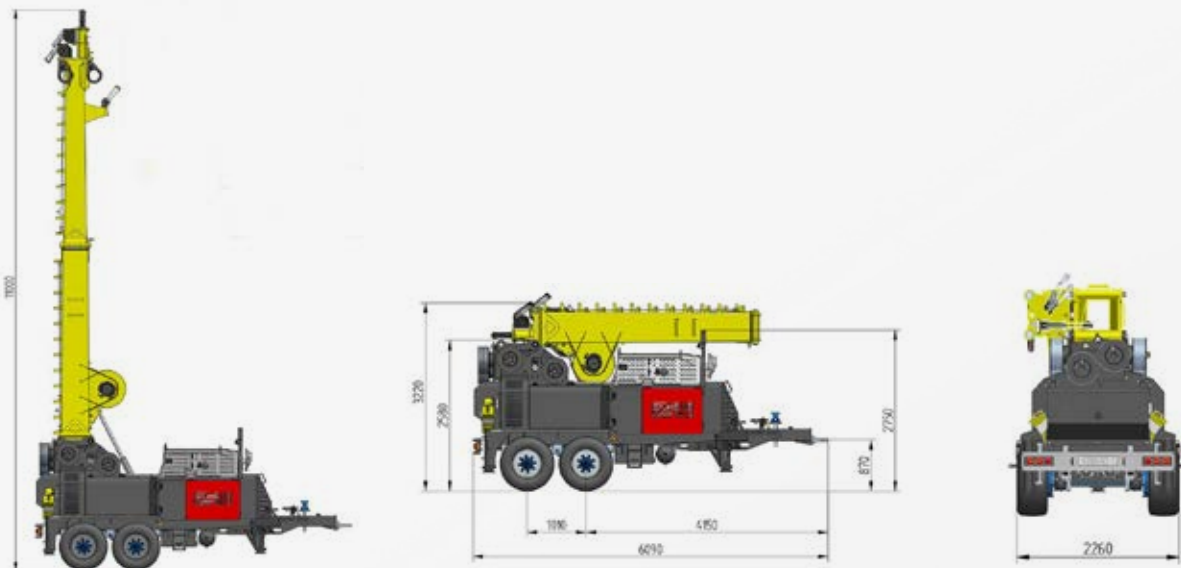
2) Version 3 cables, with skyline ejector

3) With a special version up to 80km/h possible

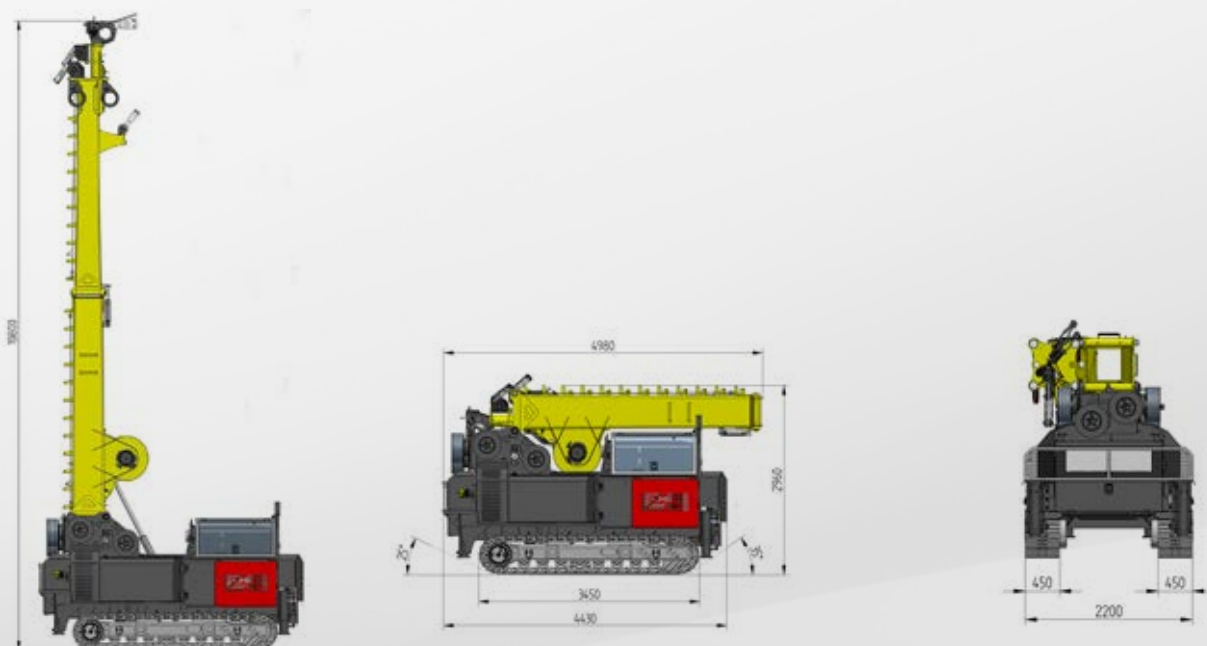
Special equipment: In addition to the standard equipment, a wide range of special equipment is available. For more information on standard and optional equipment, please contact your Konrad sales partner.

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Dimensions KM40-2



Dimensions KR40-2



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