

# **irus**<sup>®</sup>

Die starke Marke

## Radio controlled tool carrier



Made in Germany



*No. 1 with radio controlled tool carriers since more than 15 years!*



**History**  
Page 2

# HISTORY

1865



Founding of company  
Mills from J. Rilling & Söhne (J. R. u. S.) based in Dusslingen, gain worldwide recognition.

1928



J. R. u. S. becomes IRUS. Beginning of motorised equipment production. **HM** - The world's first bar mower is patented.

1953



**U600** - The universal two-wheel tractor is introduced.  
The series is expanded to include the models **U300**, **U900** and **U1200** with ZF gearboxes.

1968



**MICKY** - IRUS develops the world's smallest and lightest bar mower.  
In the first year alone, more than 10.000 **MICKYs** are produced.

1986



**KM300**  
The world's first bar mower with a locking differential, steering brakes and low-pressure terra tyres.

1990 - 1992

Relocation of the company to a newly constructed building.

2003



**KOMTRAK25**  
The world's first radio controlled two-wheel tractor receives an innovation award.

2005



**DELTRAK**  
The first radio controlled crawler mower / tool carrier.

2010



**QUATRAK**  
Radio controlled tool carrier with four-wheel drive, all-wheel and crab steering.

2018 - 2020



ANNIVERSARY YEARS - ANNIVERSARY EDITION **DELTRAK EDITION15**  
15 years of radio controlled mowing - 15 years of **DELTRAK**

2021



**DELTRAK V3** and **TWIN V2**  
The latest generation - with state-of-the-art, eco-friendly engine technology.

**TWIN**  
The first radio controlled implement carrier with two full-feature mounting points.

#1

#1

#1

#1

#1

#1

#1



#1

A world first



Multiple award-winning

# TOO



Made in Germany

# LCARRIER

## Market leadership through innovation!

The impetus toward new, pioneering innovations continually motivates us to go beyond limits and seek new and unexplored possibilities. In 2003 for example IRUS launched the **KOMTRAK25**, the world's first radio controlled two-wheel tractor, followed in 2005 by the **DELTRAK**, the first crawler mower / tool carrier.

These innovations from IRUS have become standard around the world!

## Why radio controlled?

### Maximum safety

The operator remains outside of the danger zone at all times. His attention is focused on the machine and not on his own footsteps.

### Protects the operator's health

No hill climbing, no slipping, no getting caught on branches, thorns and brush, no vibrations from the steering bar, no exhaust fumes, no impact on joints...

### Substantial cost savings

The working speed is no longer dependent on the operator's walking speed.

## Why IRUS?

When you purchase a radio controlled IRUS machine you are choosing a genuine 'made in Germany' product!

This is ensured not only by the fact that all development and assembly takes place in Burladingen-Salmendingen, located in the Swabian Alps in southern Germany, but also by the fact that all supplied parts, with the exception of a few special components, are manufactured in Germany – usually within a radius of 50 to 100 km from the IRUS factory. This allows us to maintain our high quality standards, secures local jobs and protects the environment. Moreover, our remote controlled machines are among the most innovative products in this area! This is demonstrated impressively by the new models **DELTRAK 50V3** and **61V3**.



# QUATRAK

27 HP  
Petrol  
Level V



# The specialist!



powerful, low-emission  
Kohler 2 cylinder - petrol engine



Hinged frame for improved  
handling on inclines (patented)



All-wheel steering  
Crab steering (optional)



High-frequency wireless system



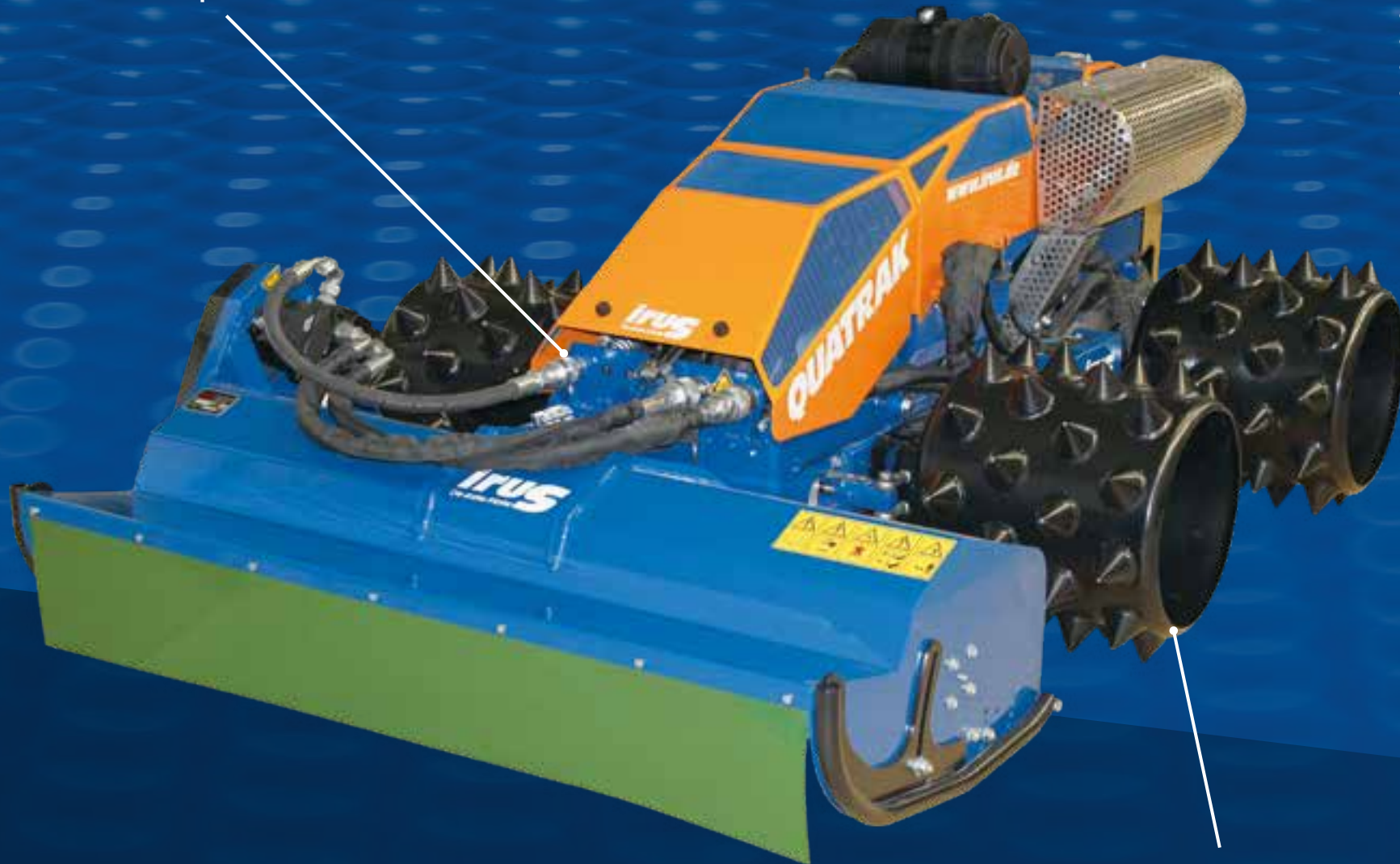
Lashing lugs for  
secure transport

full underbody  
protection

Quick-change mounting plate  
for different tools  
(pages 29 - 40)

# QUATRAK

hydraulic screw connections for safe and reliable power transfer



## Optional equipment

- Tilt sensor
- Warning light
- rotating beacon
- diverse tyre variants
- Crab steering

diverse  
tyre variants

**PANOLIN®+**  
Swiss Oil Technology

filled with fast  
biodegradable  
hydraulic oil  
**PANOLIN® HLP Synth.**



# Technical Data

## Engine

- Kohler 2 cylinder petrol engine with 20,1 kW (27 HP)
- Exhaust level: EU level V / EPA phase III
- Air cooling, electric start, operating hours counter

## Power hydraulics

- 50 l/min - 200 bar

## Power drive

- hydraulic 4x4 all-wheel drive
- proportional speed control of the running gear
- All-wheel steering (optional crab steering)
- Incline adjustment of power drive / steering via remote control

## Speeds

- forward and reverse: 0 - 10 km/h

## Track width

- 1000 - 1400 mm (depending on tyres)

## Maximum slope incline

- up to 60° (depending on substrate and equipment)

## Wireless range

- up to 200 m

## Hydraulic oil

- filled with fast biodegradable PANOLIN® HLP SYNTH

## Weight and dimensions (length x width x height)

- ca. 450 - 500 kg (depending on optional equipment, basic machine without mounted tool)
- 1540 x 1000 - 1400 x 800 (in mm)



# **EVOTRAK**

**27 HP  
Petrol  
Level V**



# The powerful entry-level solution!



High-frequency wireless system



Hinged frame for improved handling on inclines (patented)



powerful, low-emission Kohler 2 cylinder - petrol engine



Quick-change mounting plate for different tools (pages 29 - 40)

full underbody protection

Lashing lugs for secure transport

robust and time-proven DELTA crawler running gear with unique chain guide

# EVOTRAK

hydraulic screw connections for safe and reliable power transfer



## Optional equipment

- Tilt sensor
- Warning light
- rotating beacon
- different crawler tracks
- Spikes / Rubber transport blocks
- Hoop guard
- Work lights

different crawler tracks for optimal traction

**PANOLIN®+**  
Swiss Oil Technology

filled with fast biodegradable hydraulic oil  
**PANOLIN® HLP Synth.**

# Technical Data

## Engine

- Kohler 2 cylinder petrol engine with 20,1 kW (27 HP)
- Exhaust level: EU level V / EPA phase III
- Air cooling, electric start, operating hours counter

## Power hydraulics

- 50 l/min - 200 bar

## Power drive

- hydraulic DELTA crawler running gear with direct drive
- proportional speed control of each crawler running gear
- Inclination adjustment of crawler running gears via remote control

## Speeds

- forward and reverse: 0 - 10 km/h

## Track width

- 1150 - 1300 mm

## Maximum slope incline

- up to 60° (depending on substrate and equipment)

## Wireless range

- up to 200 m

## Hydraulic oil

- filled with fast biodegradable PANOLIN® HLP SYNTH

## Weight and dimensions (length x width x height)

- ca. 600 - 650 kg (depending on optional equipment, basic machine without mounted implement)
- 1540 x 1150 - 1300 x 800 (in mm)



# **DELTRAK 25V2.5**

**25 HP  
Diesel  
Level V**



# Innovation becomes the standard!



high-torque  
Kubota 3 cylinder - diesel engine



Reversing fan for  
automatic cleansing of  
the engine and  
hydraulic cooler

robust and time-proven  
DELTA crawler running gear  
with unique chain guide



full underbody  
protection



High-frequency wireless system



Hinged frame for improved  
handling on inclines (patented)  
(not applicable for hydraulic  
track width adjustment)



hydraulic track width  
adjustment (optional)



Quick-change mounting plate for  
different tools (pages 29 - 40)  
Mounting triangle for tool-free  
changing of tools in the field (optional)

# DELTRAK 25V2.5



different crawler tracks for optimal traction

## Optional equipment

- additional double-acting hydraulic connection
- Tilt sensor
- Warning light
- rotating beacon
- automatic extinguishing system
- different crawler tracks
- Spikes / Rubber transport blocks
- Hoop guard
- Work lights
- hydraulic track width adjustment

hydraulic screw connections for safe and reliable power transfer  
Multi-coupler (optional)



filled with fast biodegradable hydraulic oil  
**PANOLIN® HLP Synth.**



# Technical Data

## Engine

- Kubota 3 cylinder diesel engine with 18,5 kW (25 HP)
- Exhaust level: EU level V / EPA phase III
- Air cooling, electric start, operating hours counter, oil and temperature monitor

## Reversing fan

- automatic cleansing function for engine and hydraulic cooling

## Power hydraulics

- 60 l/min - 250 bar

## Power drive

- hydraulic DELTA crawler running gear with direct drive
- proportional speed control of each running gear
- Inclination adjustment of crawler running gears via remote control

## Speeds

- forward and reverse: 0 - 10 km/h

## Track width

- Standard: 1280 mm
- optional hydraulic adjustment up to 1700 mm

## Maximum slope incline

- up to 60° (depending on substrate and equipment)

## Wireless range

- up to 200 m

## Hydraulic oil

- filled with fast biodegradable PANOLIN® HLP SYNTHm

## Weight and dimensions (length x width x height)

- ca. 800 - 900 kg (depending on optional equipment, basic machine without mounted tool)
- 1870 x 1280 - 1700 x 980 (in mm)

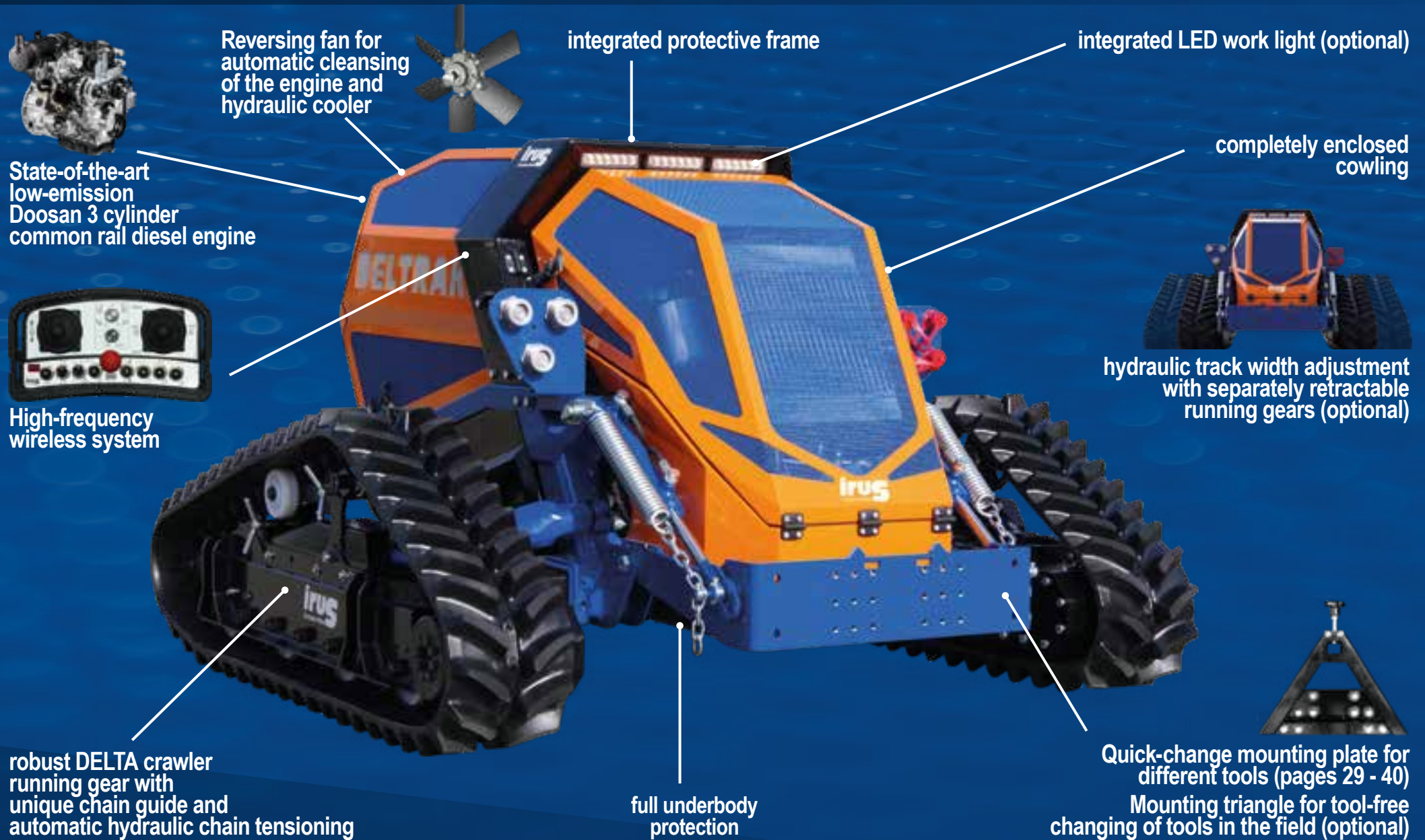


# **DELTRAK 50V3**

**50 HP  
Diesel  
Level V**



# The standard of tomorrow!



# DELTRAK 50V3

hydraulic screw connections for safe and reliable power transfer  
Multi-coupler (optional)



## Optional equipment

- additional double-acting hydraulic connection
- Tilt sensor
- Warning light
- rotating beacon
- automatic extinguishing system
- different crawler tracks
- Spikes / Rubber transport blocks
- Work lights
- hydraulic track width adjustment

different crawler tracks for optimal traction



filled with fast biodegradable hydraulic oil  
PANOLIN® HLP Synth.

# Technical Data

## Engine

- Doosan 3 cylinder common rail turbo diesel engine with 37 kW (50 HP)
- Exhaust level: EU level V / EPA TIER 4 final
- Water cooling, electric start, operating hours counter, oil and temperature monitor

## Reversing fan

- automatic cleansing function for engine and hydraulic cooling

## Power hydraulics

- 80 l/min - 350 bar

## Power drive

- hydraulic DELTA crawler running gear with direct drive
- automatic hydraulic crawler track tensioning
- fast and easy changing of crawler tracks without special tools or grease gun
- proportional speed control of each running gear
- Inclination adjustment of crawler running gears via remote control

## Speeds

- forward and reverse: 0 - 10 km/h

## Track width

- Standard: 1300 mm
- optional hydraulic adjustment up to 1700 mm

## Maximum slope incline

- up to 60° (depending on substrate and equipment)

## Wireless range

- up to 200 m

## Hydraulic oil

- filled with fast biodegradable PANOLIN® HLP SYNTH

## Weight and dimensions (length x width x height)

- ca. 1100 - 1200 kg (depending on optional equipment, basic machine without mounted tool)
- 1940 x 1300 - 1700 x 1150 (in mm)



# **DELTRAK 61V3**

**61 HP  
Diesel  
Level V**



# The reference class!

integrated LED work light (optional)

integrated protective frame

Reversing fan for automatic cleansing of the engine and hydraulic cooler



State-of-the-art low-emission Doosan 3 cylinder common rail diesel engine

completely enclosed cowling



hydraulic track width adjustment with separately retractable running gears (optional)



High-frequency wireless system



Quick-change mounting plate for different tools (pages 29 - 40)  
Mounting triangle for tool-free changing of tools in the field (optional)

full underbody protection

robust DELTA crawler running gear with unique chain guide and automatic hydraulic chain tensioning



# DELTRAK 61 V3

## Optional equipment

- additional double-acting hydraulic connection
- Tilt sensor
- Warning light
- rotating beacon
- automatic extinguishing system
- different crawler tracks
- Spikes / Rubber transport blocks
- Work lights
- hydraulic track width adjustment



hydraulic screw connections for safe and reliable power transfer Multi-coupler (optional)

different crawler tracks for optimal traction

**PANOLIN®+**  
Swiss Oil Technology

filled with fast biodegradable hydraulic oil  
**PANOLIN® HLP Synth.**



# Technical Data

## Engine

- DOOSAN 3 cylinder common rail turbo diesel engine with 45 kW (61 HP)
- Exhaust level: EU level V / EPA TIER 4 final
- Water cooling, electric start, operating hours counter, oil and temperature monitor

## Reversing fan

- automatic cleansing function for engine and hydraulic cooling

## Power hydraulics

- 80 l/min - 350 bar

## Power drive

- hydraulic DELTA crawler running gear with direct drive
- automatic hydraulic crawler track tensioning
- fast and easy changing of crawler tracks without special tools or grease gun
- proportional speed control of each running gear
- Inclination adjustment of crawler running gears via remote controler

## Speeds

- forward and reverse: 0 - 10 km/h

## Track Width

- Standard: 1300 mm
- optional hydraulic adjustment up to 1700 mm

## Maximum slope incline

- up to 60° (depending on substrate and equipment)

## Wireless range

- up to 200 m

## Hydraulic oil

- filled with fast biodegradable PANOLIN® HLP SYNTH

## Weight and dimensions (length x width x height)

- ca. 1100 - 1200 kg (depending on optional equipment, basic machine without mounted tool)
- 1940 x 1300 - 1700 x 1150 (in mm)

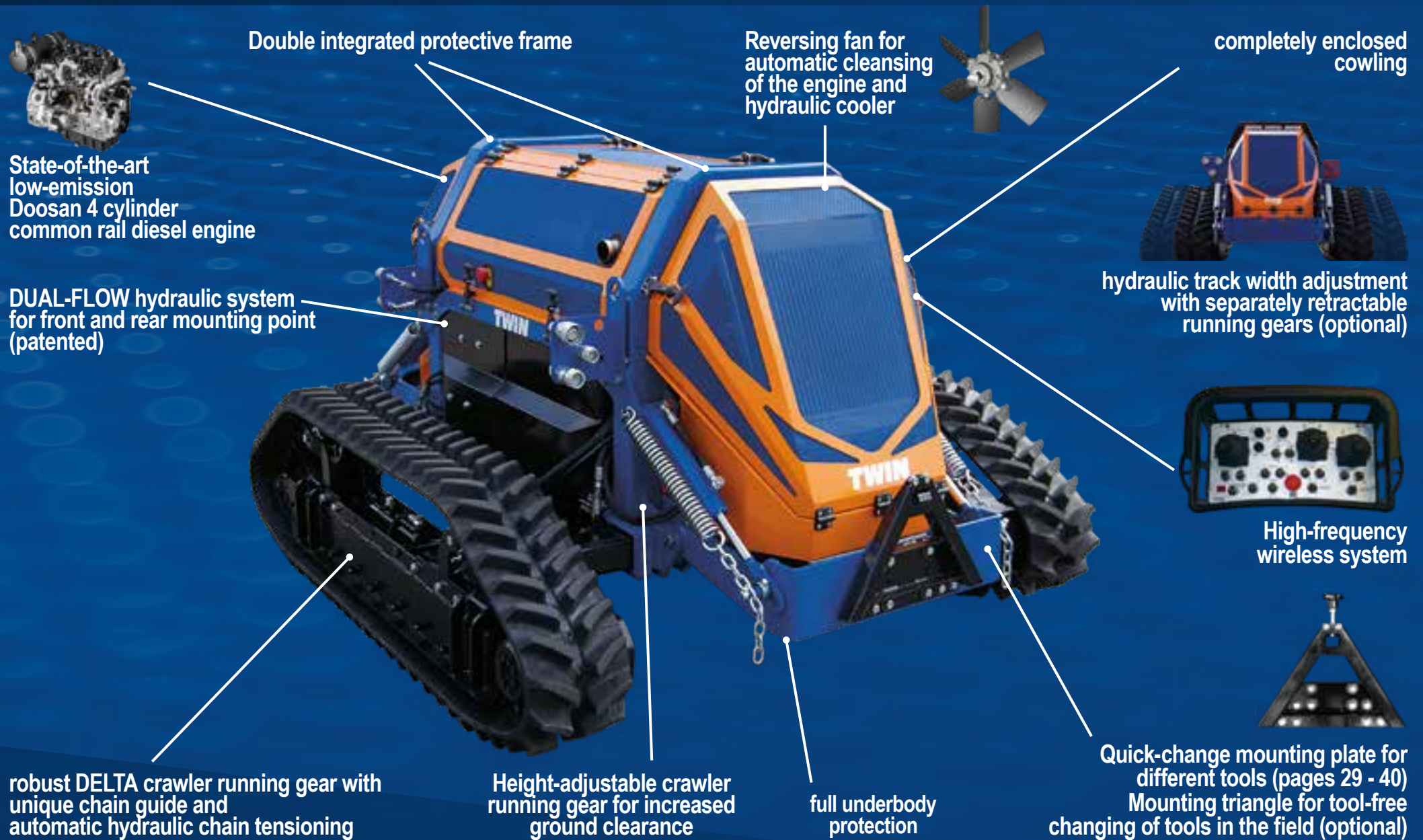


# TWIN 75V2

75 HP  
Diesel  
Level V



# The forest crawler!



# TWIN 75V2

rear mounting point

front mounting point

## Optional equipment

- KAT three-point linkage
- Mounting triangles
- Tilt sensor
- Warning light
- rotating beacon
- automatic extinguishing system
- different crawler tracks
- Spikes / Rubber transport blocks
- Work lights
- hydraulic track width adjustment

different crawler tracks for optimal traction

hydraulic screw connections for safe and reliable power transfer  
Multi-coupler (optional)

**PANOLIN®+**  
Swiss Oil Technology

filled with fast biodegradable hydraulic oil  
**PANOLIN® HLP Synth.**

# Technical Data

## Engine

- Doosan 4 cylinder common rail turbo diesel engine with 55 kW (75 HP)
- Exhaust level: EU level V / EPA TIER 4 final
- Water cooling, electric start, operating hours counter, oil and temperature monitor

## Reversing fan

- automatic cleansing function for engine and hydraulic cooling

## Power hydraulics

- 120 l/min - 350 bar

## Power drive

- hydraulic DELTA crawler running gear with direct drive
- standard height-adjustable running gear (increased ground clearance up to 300 mm)
- automatic hydraulic crawler track tensioning
- fast and easy changing of crawler tracks without special tools or grease gun
- Inclination adjustment of crawler running gears via remote controler

## Speeds

- forward and reverse: 0 - 10 km/h

## Trak width

- Standard: 1350 mm
- optional hydraulic adjustment up to 1850 mm / 2250 mm

## Maximum slope incline

- up to 60° (depending on substrate and equipment)

## Wireless range

- up to 200 m

## Hydraulic oil

- filled with fast biodegradable PANOLIN® HLP SYNTH

## Weight and dimensions (length x width x height)

- ca. 1400 - 1500 kg (depending on optional equipment, basic machine without mounted tool)
- 2200 x 1350 - 1850 / 2250 x 1150 - 1250 (in mm)



# TOOLS/1



Made in Germany

# MPLEMENTS

**The right tool for every application. Everything from one source.  
- custom tailored to your IRUS implement carrier.**

Grasses, brush and trees with dense or sparse growth, expanses, slopes or forests overgrown with new or old stands... Snow... Mowing, mulching, gathering, clearing, cutting, shredding, brushing... The everyday requirements placed on machines are nearly as diverse as nature itself!

Our tools are designed to meet these requirements.

Dozens of implements are at your disposal for every area of application and every conceivable vegetation. Compatibility, quality and durability, convenience and effectiveness... These are the principles on which our tools are developed and manufactured within our own company.

Options such as hydraulic lateral movement or mounting triangles for tool-free changing of implements make the work easier and boost effectiveness.

# MOWING & MULCHING

		TWIN 75V2	DELTRAK 61V3	DELTRAK 50V3	DELTRAK 25V2.5	EVOTRAK	QUATRAK
125 / 145 / 155 cm	-	-	-	105 / 125 cm	105 / 125 cm	105 / 125 cm	
125 / 145 / 155 cm	-	-	125 cm	-	-	-	
130 / 160 / 190 cm	-	-	-	-	-	-	
130 / 160 / 190 cm	-	-	-	-	-	-	
130 / 160 / 190 cm	-	-	-	-	-	-	



**HUMUS - Flail mulcher**  
 HUMUS rotor  
 HUMUS pruning hammers with singly replaceable cutting edges  
 adjustable trailing roller  
 Front panel (service panel)



**IRUS - XHD Flail mower**  
 Double spiral rotor  
 SIMPLEX XHD pruning hammers  
 adjustable trailing roller and skids  
 driven by axial piston bent axis motor



**IRUS - Flail mower with HD rotor**  
 Double spiral rotor  
 10 mm Y-blades or DUPLEX pruning hammers  
 adjustable trailing roller and skids  
 driven via axial piston motor



**IRUS - Flail mower**  
 Spiral rotor  
 5 mm Y-blades or SIMPLEX pruning hammers  
 adjustable trailing roller and skids  
 driven via axial piston motor





# MOWING & MULCHING

TWIN 75V2	-	155 / 175 cm
DELTRAK 61V3	-	155 / 175 cm
DELTRAK 50V3	-	125 cm
DELTRAK 25V2.5	-	-
EVOTRAK	-	-
QUATRAK	-	-



**HUMUS - Safety mulcher**  
 HUMUS safety shaft  
 singly replaceable tooth segments  
 adjustable trailing roller  
 Front panel (service panel)



# MOWING & CLEAN UP

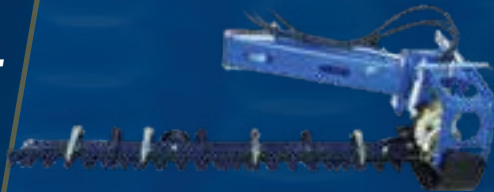
145 / 185 cm	160 / 200 / 240 / 280 cm	TWIN 75V2
145 / 185 cm	160 / 200 / 240 / 280 cm	DELTRAK 61V3
145 / 185 cm	160 / 200 / 240 / 280 cm	DELTRAK 50V3
145 / 185 cm	160 / 200 / 240 / 280 cm	DELTRAK 25V2.5
145 cm	130 cm	EVOTRAK
145 cm	130 cm	QUATRAK



**IRUS - Disc mower**  
 3 or 4 mowing discs  
 2 pendulum blades per mowing disc  
 Skids  
 wide spreading of grass  
 lightweight design



**IRUS - Portal double blade mower**  
 sturdy portal frame  
 ESM biduxX system  
 open pivot cutter drive



**IRUS - Front/Side mower**  
 Double blade bar mower  
 ESM bidux system  
 open pivot cutter drive  
 Bar designed for slewing  
 hydraulic slewing / raising of the bar (optional)



**Front - Hay machine**  
 controlled tines  
 driven by double V-belt



# MOWING & CLEAN UP

- TWIN 75V2
- DELTRAK 61V3
- DELTRAK 50V3
- DELTRAK 25V2.5
- EVOTRAK
- QUATRAK

Hay pusher



Round baler



TWIN 75V2	✓	✓	✓
DELTRAK 61V3	✓	✓	✓
DELTRAK 50V3	✓	✓	✓
DELTRAK 25V2.5	✓	✓	✓
EVOTRAK	✓	✓	✓
QUATRAK	✓	✓	✓

# FOREST

35	130 / 160 cm	130 / 160 cm	TWIN 75V2
	125 / 130 / 160 cm	125 / 130 / 160 cm	DELTRAK 61V3
	125 / 130 / 160 cm	125 / 130 / 160 cm	DELTRAK 50V3
	125 cm	125 cm	DELTRAK 25V2.5
	-	-	EVOTRAK
	-	-	QUATRAK



**IRUS - Brush mulcher**  
 Double spiral rotor  
 pendulum DUPLEX pruning hammers  
 hydraulic front panel  
 axial piston bent axle motor



**IRUS - Forest mulcher with pendulum forest hammers**  
 Double spiral forest rotor  
 pendulum forest hammers  
 hydraulic front panel  
 axial piston bent axle motor






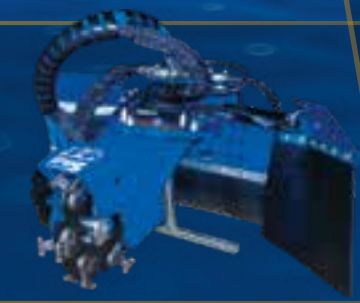




**IRUS - Forest mulcher with fixed round carbide teeth**  
 Forest rotor  
 fixed round carbide cutting teeth  
 Teeth can be replaced and rotated singly  
 hydraulic front panel  
 axial piston bent axle motor



**IRUS - Forest mulcher with fixed square carbide teeth**  
 Forest rotor  
 fixed square carbide cutting teeth  
 Teeth can be replaced singly  
 hydraulic front panel  
 axial piston bent axle motor



# FOREST

		TWIN 75V2	DELTRAK 61V3	DELTRAK 50V3	DELTRAK 25V2.5	EVOTRAK	QUATRAK	
 <p><b>Push bar for IRUS brush and forest mulcher</b> suitable for IRUS brush and forest mulcher rigid or hydraulic version</p>		✓	✓	✓	-	-	-	
 <p><b>IRUS - Stump cutter</b> solid steel cutting wheel cutting diameters of 400, 600 and 800 mm round carbide cutting teeth Teeth can be replaced and rotated singly driven by axial piston bent axis motor</p>			Ø 400 / Ø 600 mm	Ø 400 mm	-	-	-	
 <p><b>Wood shredder</b> self-indraw of the wood adjustable discharge driven by axial piston bent axis motor</p>			✓	✓	✓	✓		
 <p><b>HOLZKNECHT - Hauling winch</b> 3.5 t or 4.5 t pulling capacity special wrought cable with round hooks 8.5 mm / 80 m or 10 mm / 60 m bottom cable guide pulley for low cable pull-in low inherent weight other pulling capacities and cable lengths on request</p>						3.5t	3.5t / 4.5t	
							4.5t	3.5t / 4.5t

# FOREST

✓	4t/5t/6t	TWIN 75V2
✓	4t/5t	DELTRAK 61V3
✓	4t/5t	DELTRAK 50V3
·	-	DELTRAK 25V2.5
·	-	EVOTRAK
·	-	QUATRAK



**RITTER - Hauling winch**  
4 t, 5 t or 6 t pulling capacity  
configurable options



**Forest plough**



# SOIL CULTIVATION



**IRUS - Rotary hoe**  
 forged hoe blades  
 driven via duplex roller chain  
 hardened chain wheels  
 adjustable skids



**IRUS - Reverse rotary hoe**  
 special heat-treated hoe blades  
 driven via duplex roller chain  
 hardened chain wheels  
 Lattice roller with scraper for depth adjustment



**IRUS - Rotary harrow**  
 Gear transmission in oil bath  
 round spikes and cutting spikes available  
 adjustable levelling blade  
 Lattice roller with scraper for depth adjustment



**Seed hopper attachment for IRUS rotary harrow**  
 suitable for IRUS rotary harrow



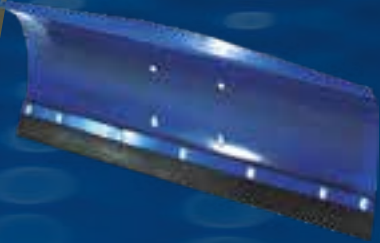
TWIN 75V2	-	130 cm	130 cm	130 cm	-	-	-
DELTRAK 61V3	-	130 cm	130 cm	130 cm	-	-	-
DELTRAK 50V3	-	130 cm	100 / 130 cm	130 cm	-	-	-
DELTRAK 25V2.5	-	-	-	-	-	-	-
EVOTRAK	-	-	-	-	-	-	-
QUATRAK	-	-	-	-	-	-	-

# PATHWAY MAINTENANCE & SNOW REMOVAL

✓	-	-	-	-	-	TWIN 75V2
✓	Ø 700 mm	-	-	-	-	DELTRAK 61V3
✓	Ø 700 mm	150 cm	-	-	-	DELTRAK 50V3
-	Ø 700 mm	-	-	-	-	DELTRAK 25V2.5
-	-	-	-	-	-	EVOTRAK
-	-	-	-	-	-	QUATRAK



Hard snow blower



IRUS - Snow plough blade  
with rubber grazing strip  
hydraulic slewing



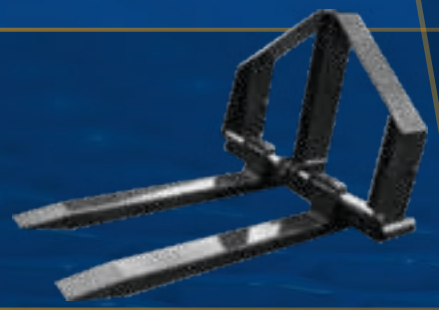
IRUS - Weed brush  
round wire bundles  
Swivels to left and right  
Inclination of brush disc is adjustable in all directions





# OTHER TOOLS / IMPLEMENTS

- TWIN 75V2
- DELTRAK 61V3
- DELTRAK 50V3
- DELTRAK 25V2.5
- EVOTRAK
- QUATRAK



**IRUS - Pallet fork**  
 max. load capacity 500 kg  
 retractable tines



**Other tools on request!**





# IMPRES



**irus**<sup>®</sup>  
Die starke Marke

# SSIONS

# irus<sup>®</sup>

Die starke Marke

...mows everything  
- anywhere!

## Contact

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scan  
&  
click

Your dealer

