

irus[®]

Die starke Marke

UNIKOM WINTRAK

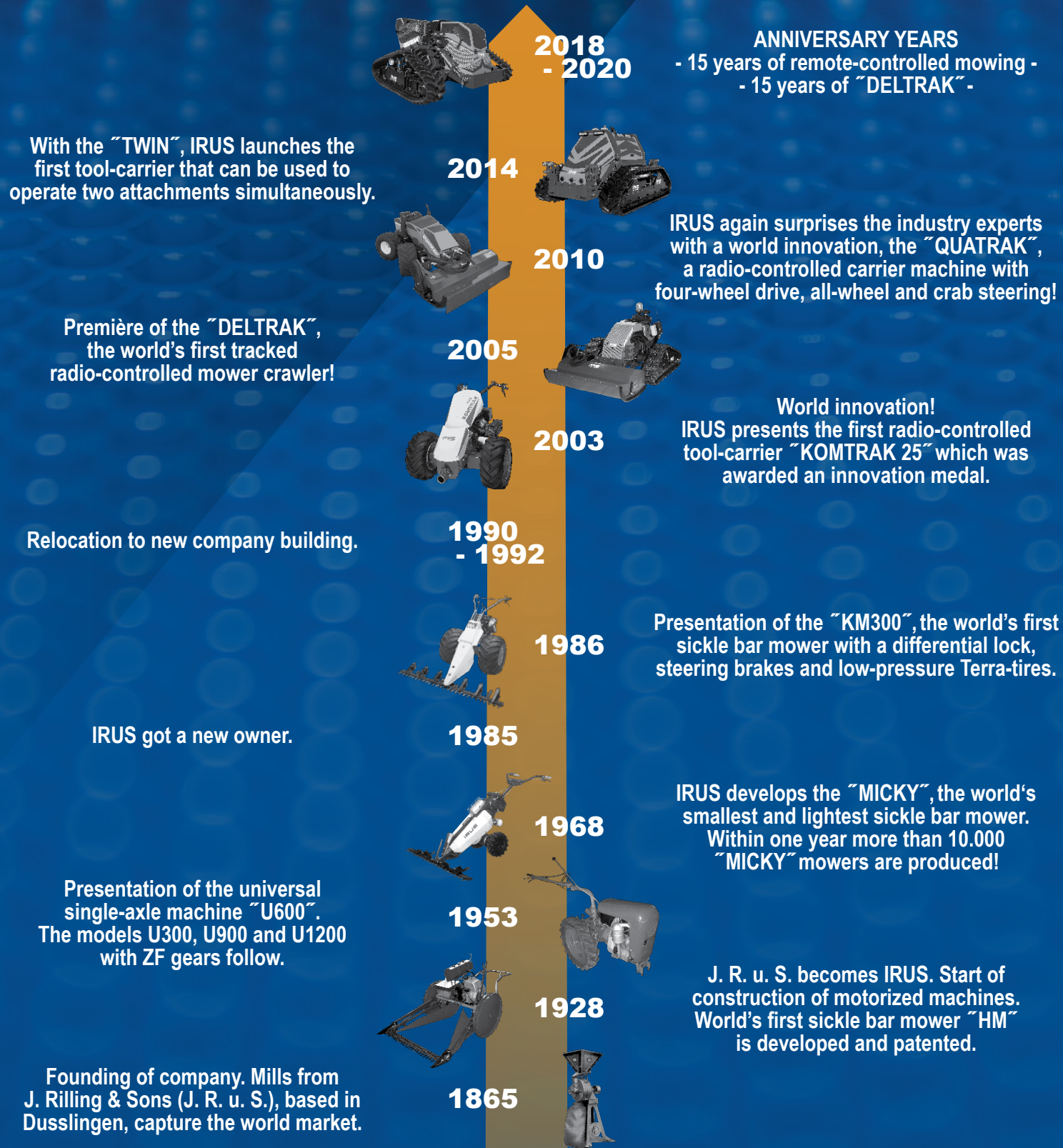
Hand-operated carrier machines



Made in Germany



HISTORY



irus[®]
Die starke Marke



Decades of innovation and quality

~ Advancement through innovation ~

More than 90 years of experience and our extensive range of services make IRUS Motorgeräte GmbH a renowned specialist in the production of professional mowing and landscape maintenance devices in Europe. We have made a name with an assortment of high-quality multiple-purpose machines. We offer our customers powerful, convenient and robust products. Our innovative solutions are the result of the ideas and preferences of our customers, obtained through continuous exchange. One such example is our radio-controlled DELTRAK tool-carrier in its current version 2.5. A pioneering innovation that has no rival.

Customer's benefit and satisfaction secures our success. No matter which device you are currently interested in, you can be sure to receive best service.



MADE IN GERMANY

UNIKOM

MOTORS

B&S 4-cycle OHV 1-cylinder petrol motor
9,7 kW (13,2 HP)

B&S 4-cycle OHV 2-cylinder petrol motor
13,4 kW (18,3 HP)

B&S 4-cycle OHV 2-cylinder petrol motor
15,7 kW (21,3 HP)

KOHLER 4-cycle OHV 2-cylinder petrol motor
20,1 kW (27,3 HP)

KOHLER 4-cycle OHV 2-cylinder petrol motor
22,4 kW (30,5 HP)

All motors are equipped with a
fuel pump as standard fitting.

AXLE ADJUSTMENT

Standard axle adjustment for adjusting the contact pressure
of the tool (compensating weights are no longer needed),
adjustment range: 210 mm

STEERING

Safety-Zero-Turn steering via steering bar, lockable.
Second steering system optional.

SPEED

Forward: 0 - 7 km/h
Reverse: 0 - 5 km/h

DRIVE

Hydraulic drive system with axial piston variable
displacement pumps and wheel motors,
stepless speed regulation forward and reverse,
mechanical parking brake, freewheeling.

PTO SPEED

1000 rpm

ATTACHMENT DRIVE

Mechanical drive of attachments by means of
cylindrical gears and three-point power take-off
shaft with integrated attachment brake.

CLUTCH

Multi-disc dry clutch for manual starting.
Electromagnetic clutch for electric starting.

WEIGHT

170 - 190 kg

TIRE VARIANTS

6 - 12 AS Single and double tires 23x10.50 - 12 Terra
Option - iron cage wheels
Option - 2-row spike rollers
or 4-row spike rollers
or 6-row spike rollers
or track running gear with rubber tracks.

All air tires are filled with tire sealing gel as standard equipment.

WINTRAK

MOTORS

B&S 4-cycle OHV 1-cylinder petrol motor
7,4 kW (10,0 HP)

B&S 4-cycle OHV 2-cylinder petrol motor
9,7 kW (13,2 HP)

All motors are equipped with a
fuel pump as standard fitting.

AXLE ADJUSTMENT

Standard axle adjustment for adjusting the contact pressure
of the tool (compensating weights are no longer needed),
adjustment range: 210 mm

STEERING

Safety-Zero-Turn steering via steering bar, lockable.
Second steering system optional.

SPEED

Forward: 0 - 7 km/h
Reverse: 0 - 5 km/h

DRIVE

Hydraulic drive system with axial piston variable
displacement pumps and wheel motors,
stepless speed regulation forward and reverse,
mechanical parking brake, freewheeling.

PTO SPEED

1000 rpm

ATTACHMENT DRIVE

Mechanical drive of attachments by means of
cylindrical gears and three-point power take-off
shaft with integrated attachment brake.

CLUTCH

Multi-disc dry clutch

WEIGHT

approx. 150 kg

TIRE VARIANTS

5 - 10 AS Single and double tires 21x11.00 - 8 Terra
Option - iron cage wheels
Option - 2-row spike rollers
or 4-row spike rollers.

All air tires are filled with tire sealing gel as standard equipment.

MOWING AND MULCHING OF ROADSIDE VEGETATION

The main applications of the radio-controlled and hand-operated machines from IRUS are for working along streets and motorways. Numerous street and motorway maintenance authorities, state institutions for roads, motorway directorates and their service providers placed their trust in our many years of experience.

The tools primarily used for this purpose are our classic flail mowers with working widths of 85 cm, 105 cm and 125 cm.

In addition, sickle bar mowers are used for mowing. They are likewise available in numerous versions and working widths.

The “municipal mower drive” developed from IRUS, combines the advantages of double blades and municipal blades. Low vibrations for the operator combined with a robust design with fewer blade changes and less wear than with a classic double blade.

Other tools for this area of application include a newly developed weed brush for mechanical weed control and a path regenerator for water-bound paths, as well as a circular harrow for levelling ruts next to the driving lane.

Moreover, safety is our top priority. Various safety mechanisms and devices make it possible to minimize the risk of accidents. This is achieved by production in Germany in accordance with all applicable regulations and standards, in addition to special chain guards in front of the flail mower.

AREAS OF APPLICATION

MOWING AND CLEARING IN LANDSCAPING AND AGRICULTURE

Because of constant technological development and the resulting new capabilities, the importance of our machines is growing, especially for use in landscaping and agriculture. Many landscaping settings such as mountainous regions or marsh and bog areas require high performance by both man and machine.

Protection of nature also requires special, advanced technology. IRUS motorized mowers are used especially in semi-open landscapes with endangered animal and plant communities. They ensure preservation or restoration of the soil.

Another application for IRUS machines is in mountain agriculture. For many years there has been a lack of skilled manpower in these regions. As a result, huge tracts of land have become overgrown. In order to work effectively particularly in these hard-to-access areas, machines from IRUS Motorgeräte GmbH are used.

WATER COURSE MAINTENANCE

Maintenance of rivers and water courses is a crucial part of enhancing and supporting ecological development of the rivers, integral in the prevention of flooding.

Classic maintenance activities include for example mowing and timber management. The attractiveness of the body of water for the population is another important aspect in the maintenance of urban waters. Ecological reasons frequently call for the use of mowing techniques that enable the clearing and disposal of the grass clippings. Bar mowers, such as a gantry mower with a working width of up to 250 cm or a disc mower, are time-proven tools. A belt rake or also a hay pusher can move the mowed clippings up for easy collection.



MOWING IN SOLAR INSTALLATIONS

Many tasks in solar installations, such as mowing and mulching beneath and between the solar panels, require high performance from both man and machine.

In particular, the conditions often include a low installation height, sensitivity of the individual modules to damage from stones, tight spaces and loose soil. Such special and difficult conditions require equipment that is designed to meet every challenge. That is why IRUS has developed special machines and additional attachments that fulfil the very special requirements of all-day-work in photovoltaic installations.

SNOW REMOVAL

All machines made by IRUS Motorgeräte GmbH can also be equipped with tools for snow removal. The possibilities for this area of use are extremely diverse, and the particular machine can be used individually for different applications.

Examples:

- Sweeper with different rollers (dirt, universal, or snow brush)
- Snow plough blade with different working widths up to 150 cm
- High-performance double-stage snowblowers
- ZAUGG hard snow thrower

WEED CONTROL AND PATH MAINTENANCE

The professional add-on sweepers allow universal year-round use of our carriers. They are especially suitable for keeping pavements, driveways and small yard surfaces clean. Only one universal attachment is needed for removing dirt, dust, mud, grit, leaves or snow. The weed brushes for non-chemical weed control operate very reliably and effectively in continuous operation against dense weeds as well as along kerbs. Our path maintenance attachment can also be used for controlling weeds on water-bound surfaces.

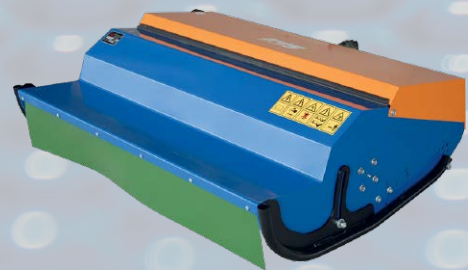


TILLAGE

In the area of soil care, IRUS machines are used for example to prepare a seed bed or for reseeding a lawn. Different tillage methods are used depending on the particular application. Suitable attachments are reverse rotary hoes, power harrows, reciprocating harrows. They help gardeners and landscaping personnel in their daily work.

All attachments from IRUS Motorgeräte GmbH are operated as front attachments in such applications.

OVERVIEW OF ATTACHMENTS



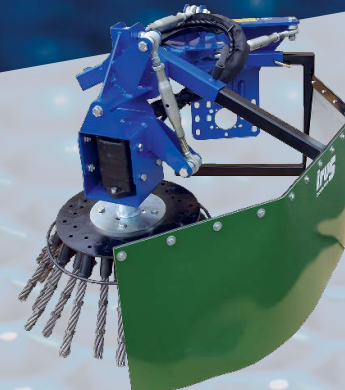
Flail mower



Safety mulcher



Disc mower



Weed brush (1-disc)



Weed brush (2-disc)



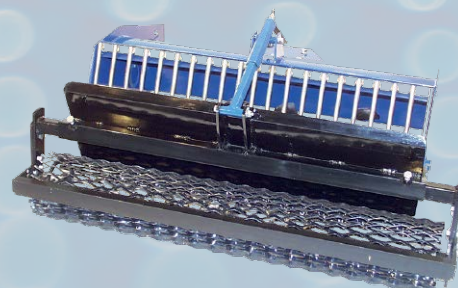
Front sweeper



Portal double-blade mower



Sickle bar mower



Reverse rotary hoe



Reciprocating harrow with blade



Path maintenance attachment



Power harrow



Front hay machine



Round baler



Round baler binder



Snow plough blade



Double-stage snow blower



ZAUGG hard snow thrower

Other attachments (e.g. vertical beaters) on request.

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