



► Compact combination  
**Quarz**





## The right option

The Quartz compact combination from LEMKEN for light to medium soils is an excellent alternative to the power harrow or seedbed combination.

The Quartz can be used together with a seed drill on the rear of the tractor, or mounted on the front of the tractor as a stand-alone machine.

When used on the front of the tractor, the Quartz F compact combination from LEMKEN is an attractive alternative to a furrow press. The Quartz F levels, loosens and consolidates ahead of the tractor wheels, while other seedbed preparation operations and drilling are carried out at the rear immediately behind the wheels using

a power harrow-seed drill combination. In many cases, this means that one pass can be omitted, saving time and money and protecting the soil.



### ▶ Economic concept

As a fixed implement with a working width of 3 or 4 metres, the Quartz is a cost-effective and more economical alternative to powered seedbed preparation.

- The Quartz can be combined with all LEMKEN seed drills as well as machines from other manufacturers.
- Its short design and combination options make the Quartz a highly versatile machine for front or rear mounting.



### ▶ Sturdy headstock

The robust headstock is extremely strong, as well as being easy to use and maintain.

- Its numerous adjustment options mean that it can quickly be adapted to a wide variety of tractors.
- The spring steel cross-shaft protects both tractor and implement.
- The integral coupling points make it easy to attach mounted mechanical or pneumatic seed drills.
- The tool boxes in the headstock provide ample space for tools and shear bolts.

# Wide range of equipment



## Adjustable levelling bar

The sprung, overload-protected levelling bar provides optimum levelling of the soil in front of the tine section.

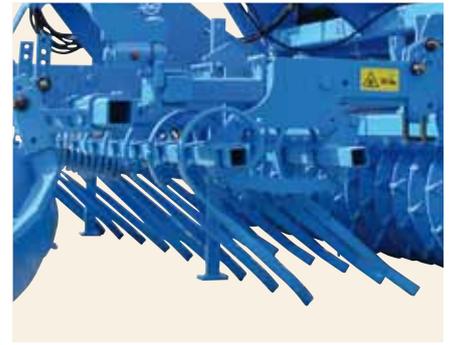
- It can be set to „Grip“ for heavy soils or „Drag“ for lighter soils.
- Plough furrows or deep tractor tracks are levelled effectively, enabling the tine sections to work at shallower depths reducing tractive power requirement.
- The levelling bar is adjusted using pins. No tools are required.



## Flexible wheelmark eradicators

The wheelmark eradicators can be fitted with wing shares or narrow points. Precise adjustment of their working depth is straightforward.

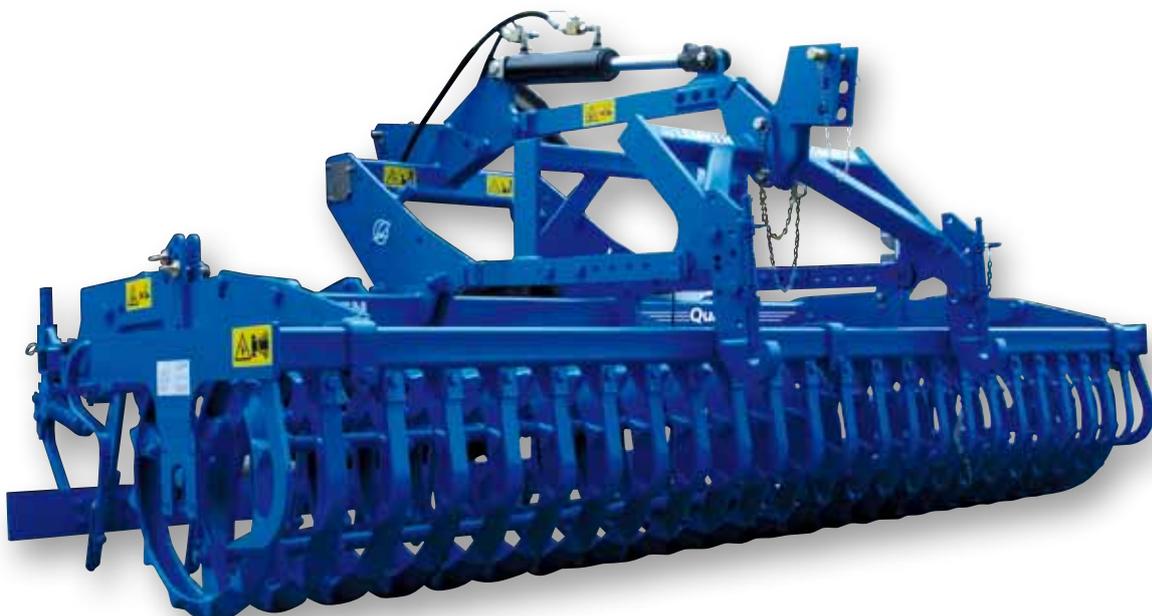
- An automatic overload safety device is fitted as standard and provides effective protection from damage.
- The wheelmark eradicators are easy to move on the box section frame so that they can be tailored to any tractor track width or tyre size.



## Range of tine sections

A range of tine sections is available for different soils and operating conditions. The depth of all tine sections can be adjusted easily and precisely without using tools.

- Marathon tines with share, two-row
- Gamma tines with share, three-row
- Duck-foot shares, two-row
- Hard-faced drag tines, two-row

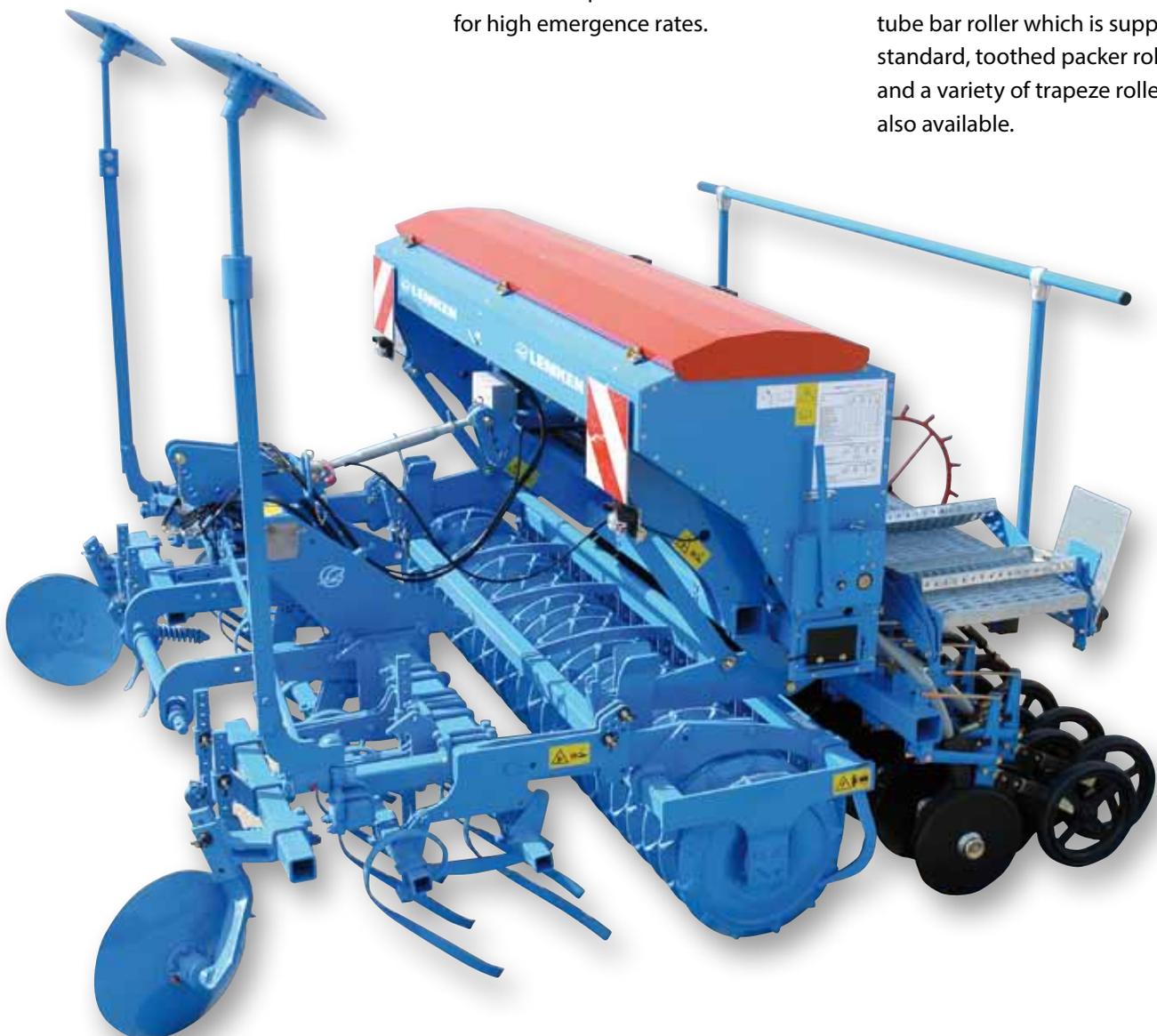




▶ **Trapeze rollers**

Trapeze rollers, which are available in different models, provide optimum preparation for subsequent drilling when used in combination with a seed drill.

- Trapeze ring, trapeze packer or trapeze disc rollers, each with 500 mm diameter, are an excellent choice for targeted, in-line reconsolidation ahead of the seeding coulters.
- This creates optimum conditions for high emergence rates.



▶ **Good depth control**

Tine depth is controlled by the rear roller.

- The working depth can be adjusted precisely by means of a series of holes and a pin.
- In addition to the 540 mm diameter tube bar roller which is supplied as standard, toothed packer rollers and a variety of trapeze rollers are also available.

# Technical Data

Description	Working width approx. cm	Number of tines	Weight approx. kg	Tractor Power from - up HP kW	
<b>Marathon tines two rows</b>					
Quarz 7/300 MARA	300	15	648	67 - 127	49 - 93
Quarz 7/400 MARA	400	20	888	82 - 142	60 - 104
<b>Duck-foot shares two rows</b>					
Quarz 7/300 GFS	300	12	612	67 - 127	49 - 93
Quarz 7/400 GFS	400	16	834	82 - 142	60 - 104
<b>Gamma tines three rows</b>					
Quarz 7/300 GAMMA	300	15	631	67 - 127	49 - 93
Quarz 7/400 GAMMA	400	20	865	82 - 142	60 - 104
<b>Hard-faced drag tines two rows with hydraulic angle adjustment</b>					
Quarz 7/300 SZI	300	20	822	67 - 127	49 - 93
Quarz 7/400 SZI	400	28	1,056	82 - 142	60 - 104
<b>Marathon tines two rows</b>					
Quarz 7/300 F MARA	300	15	698	67 - 127	49 - 93
Quarz 7/400 F MARA	400	20	938	82 - 142	60 - 104
<b>Duck-foot shares two rows</b>					
Quarz 7/300 F GFS	300	12	662	67 - 127	49 - 93
Quarz 7/400 F GFS	400	16	884	82 - 142	60 - 104
<b>Gamma tines three rows</b>					
Quarz 7/300 F GAMMA	300	15	681	67 - 127	49 - 93
Quarz 7/400 F GAMMA	400	20	915	82 - 142	60 - 104
<b>Hard-faced drag tines two rows with hydraulic angle adjustment</b>					
Quarz 7/300 F SZI	300	20	872	67 - 127	49 - 93
Quarz 7/400 F SZI	400	28	1,106	82 - 142	60 - 104

## Quarz 7 standard equipment:

- Cat. 2 lower link attachment (optional Cat. 3N=L2 Z3 or Cat. 3)
- Box section frame 110 x 110 x 8 mm
- Harrow sections, two-row
- Tube bar roller, diameter 540 mm
- Tool boxes, without tools

## Quarz 7 F standard equipment:

- Cat. 2 lower link attachment (optional Cat. 3)
- Box section frame 110 x 110 x 8 mm
- Harrow sections, two-row
- Tube bar roller, diameter 540 mm

All information, measurements and weights are subject to continuing technical further development and therefore non-binding. Given weights are always based on the basic equipment. The right to change specifications is retained.

# Service decides



When you have bought a machine from LEMKEN, the well known, almost proverbial LEMKEN service starts. 17 customer-oriented factory branches and outdoor storage areas in Germany as well as our own sales companies and importers in more than 40 countries, and a strong dealer network, ensure that machines and spare parts are supplied quickly. If a part is not in stock, it can be delivered to the customer within 24 hours via the LEMKEN logistics centre which is manned round-the-clock 365 days a year.

## Knowledge from the LEMKEN specialist

Well trained customer service technicians are available to farmers, contractors and trade, who are using machinery for the first time, as well as for professional maintenance and repairs. Thanks to regular training courses, LEMKEN customer service is always up to date with the latest LEMKEN technology.



## Original spare parts from LEMKEN

LEMKEN wearing parts are designed for a maximum service life. High-quality materials, the latest production methods, and an intensive quality control ensure a long service life. Therefore, all original spare parts bear a unique identification with the registered LEMKEN trademark. Original spare parts can be ordered at any time online on the Internet via the LEMKEN information and ordering system.



# LEMKEN

As professional crop production specialists, LEMKEN is one of the leading companies in Europe, with over 1,000 employees worldwide, achieving sales revenues of more than EUR 283 m. Originally founded in 1780 as a blacksmith's forge, the family company produces high-quality and high-performance farm machinery for soil cultivation, sowing and plant protection at its German headquarters in Alpen and at its two other production sites in Föhren and Meppen. 70 percent of the approximately 15,000 machines per year are exported.



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**Compact disc harrows**



**Cultivators**



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**Seed drills**



**Drill combinations**



**Mounted field sprayers**



**Trailed field sprayers**

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