

Mounted Min-Till Seed Drills with Tines



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# MEGANT



be strong, be **KUHN**

MEGANT

# POWERFUL TINES FOR FAST SEEDING

## HOW TO MAKE THE MOST OF YOUR TIME?

Speed is one of the most important keywords of today's farmers when it comes to seeding. Time is precious, ideal weather conditions are short and costs have to be cut. The MEGANT tine seed drill deposits your seed fast and regularly in the soil, no matter whether it has been ploughed before or not.

## SEARCHING A SIMPLE, BUT PRECISELY WORKING SEED DRILL

To make your farm more profitable, reducing costs without impairing the work quality is a major issue. With the MEGANT seeding tines, KUHN can offer you a seeding system, which is simple and requires almost no maintenance. Still, it will bed the seed precisely and ensure a good soil-seed contact as well as cover.

## USER COMFORT ALWAYS IS IMPORTANT

Electronic assistants for seed monitoring, easy loading, simple adjustments: These are just some important requirements, the MEGANT models meet in terms of user-friendliness.

## KUHN's MEGANT range in brief:

	Working width (m)	Number of rows	Hopper capacity (l)
MEGANT 480	4.80	36	1,800
MEGANT 500	5.00	36	1,800
MEGANT 560	5.60	36	1,800
MEGANT 600	6.00	40	1,800





## OPTIMIZE YOUR PRODUCTIVITY

KUHN engineers have developed the MEGANT tine seed drill with following basic thoughts in mind:

- high area output,
- reduced fuel consumption and power requirement,
- a simple design.

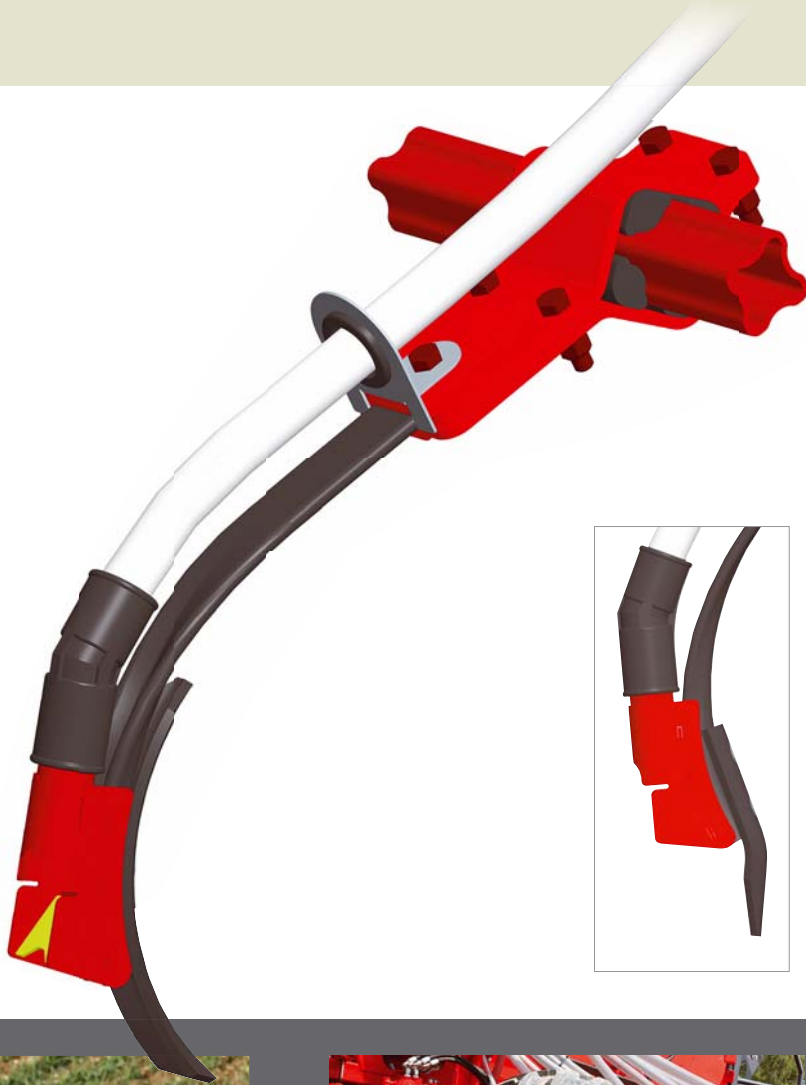
### SEED UP TO 60 HECTARES PER DAY!

The 1,800 litre hopper can hold up to 1,200 kg of wheat. This alone already stands for a high operating range. The working widths from 4.80 to 6.00 metres extend the daily output potential of the machine even more. Thanks to its simple build-up, the MEGANT tine drills are considerably lighter than comparable drilling combinations. Therefore, it can be driven faster with tractors of only 150 hp. All this contributes to an optimum daily output!



# SIMPLE DESIGN, HIGH-QUALITY WORK

A simplified machine build-up for faster seeding doesn't mean that you have to cut back on seed deposit accuracy. The MEGANT tine seeding units make this possible. And don't forget: A simpler design also means reduced maintenance.



## SPEED NOT AT THE COST OF PRECISION

The seeding tines are mounted on a beam with an exclusively designed profile via polyurethane blocks. Combined with a specific tine profile this accounts for:

- good penetrating capacity and stability, ensuring an even drilling depth;
- vertical travel range (nearly 15 cm) in the event of large obstacles;
- an even seed flow which is not affected by tine vibration: no irregular seed deposit because of seed bunching.

## FOR STONY CONDITIONS

MEGANT seed drills can also be supplied with straight tines on request for working in the presence of many stones.



## LARGE DIMENSIONED WHEELS

To ensure good carrying capacity and machine stability, MEGANT has four large wheels. To facilitate depth adjustment for seeding: Simply move a pin in the multi-position adjustment plate.



## EFFECTIVE AND PRACTICAL SIDE MARKERS

The rear folding system of side markers facilitates seeding at the field edge close to hedges and trees.

They are equipped as standard with an anti-obstacle safety system. Moreover, the large diameter discs (41 cm) facilitate marking and thus driving.



## NO RISK OF CLOGGING

As the tines are distributed on four bars, only little risk remains that the machine will clog when working in a lot of plant residues.



## THE SECRET OF IMPROVED SOIL-SEED CONTACT

It's the rear roller which improves ground-hugging on undulating land for a regular seeding depth and promotes germination through improved seed-soil contact.

The MEGANT seed drill rests on both its front wheels and the roller. It follows the ground contours independently of tractor movements.

The roller consists of separate wheels (for less power requirement) mounted on elastomer blocks to ensure clearance when meeting obstacles. It is preceded by discs designed to close the seeding lines.



## PERFECT COVER: A PLUS FOR HIGH-SPEED SEEDING

The covering harrow is fitted with two rows of flexible tines. The 1st one fills the furrow of the last seeding tines, whereas the 2nd row finishes the seedbed and covers the seeds. The trailing tine profile facilitates the passage of plant debris.



# EASY TO USE, APPRECIATED TO WORK WITH

## EASY TO CLEAN

MEGANT seed drills have an external distribution head and tubes on the hopper: The easy filling and cleaning is very appreciable when you are changing seed varieties.



## VARIO BLOWER DRIVE

The powerful blower unit is controlled by an independent hydraulic circuit with a pump connected onto the power harrow PTO output. It can be driven from 750 to 1,000 min<sup>-1</sup>.

Strong points:

- no u-joints,
- no risk of clogging at high application rates or speeds,
- not sensitive to dust,
- fuel savings when working with lower engine speeds.



## BETTER ACCESSIBILITY THAN EVER

The folding frame design and position of the metering unit ensure easy access for adjusting or emptying remaining seeds. In folded position it is completely freely accessible: no need to step over components to check flow rate or empty the hopper.



# QUANTRON S-2

## A PRACTICAL AND USER-FRIENDLY CONTROL BOX

With colour display!

**Monitoring seed drill functions:** distribution driven by electric motor - blower - minimum seed level - side markers.

**Seeding management:** starting or stopping distribution - application rate adjustment during work - display in kg/ha - change application rate instantly without recalibrating.

**Seed management:** table of factory settings for 14 varieties - seed drill calibrated by electric motor - stores adjustment tables for more than 30 seed types.

**Field counters:** daily counter (ha, hours, quantity sown) - storage for 200 fields (field name, seed type, quantity sown, working hours, start and end dates)

## MEGANT ADDITIONAL USEFUL EQUIPMENT



### TRACK ERADICATORS

Two track eradicators are fitted to MEGANT seed drills as standard. They are adjustable in spacing and depth and are equipped with a bolt safety.



### FRONT LEVELLING BAR

The seed drill can be fitted with an optional levelling bar which is hydraulically indexed. Through levelling the ground, it helps achieving a regular seeding depth.



### TWIN WHEELS

For seeding in very light soil and on steep slopes: a choice of central or complete twin wheels. For accurate seed depth guidance.

Specifications	MEGANT 480	MEGANT 500	MEGANT 560	MEGANT 600
Hopper capacity approx. (l)	1,800			
Filling height approx. (m/ft)	2.15 / 7'1" from the ground			
Working width (m/ft)	4.80 / 15'7"	5.00 / 16'4"	5.60 / 18'4"	6.00 / 19'7"
Transport width (m/ft)	2.95 / 9'7"			
Width in working position with markers folded (m/ft)	5.29 / 17'4"		6.29 / 19'8"	
Attachment	3-point, cat. 2 and 3			
Number of rows	36			40
Row spacing (cm/in)	13.3 / 5.24"	13.9 / 5.47"	15.5 / 6.10"	15 / 5.91"
Blower drive	either by independent hydraulic circuit driven from 750 to 1,000 min <sup>-1</sup> or the tractor's hydraulics			
Seeding units	tine coulter with point in aggressive or trailing position			
Underbeam clearance (cm/in)	50/20"			
Seeding depth adjustment	through the wheels			
Wheel dimensions	26/12x12			
Covering harrow	◆			
Tractor track eradicators*	◆ (2, bolt safety, adjustable in depth and spacing)			
Side markers with safety*	◆ (folding to the rear)			
Lighting equipment*	◆			
Weight (kg/lbs)	2,040 / 4,497	2,110 / 4,562		2,150 / 4,740
Electronic equipment*	QUANTRON S-2 box including electric metering unit drive, gear engaged by the seed drill wheel or cable connected to the tractor radar.			
Necessary hydraulic equipment	1x DA for the side markers 1x DA for machine folding, also used to set the pressure in the accumulator 1x DA for the front levelling bar (option) 1x SA with free return when blower is driven by tractor hydraulics (option)			
Hydraulic selector*	◊ (used to control the front levelling bar, folding and accumulator pressure functions with only 1 DA hydraulic valve)			

\*The basic definition of the equipment may vary according to the width and destination.

◆ standard ◊ option - not available

**Optional equipment:** front levelling bar – half working width shut-off – blower unit controlled by the tractor's hydraulics (with a tractor fitted with Load Sensing, 40 l/min at 80 bars) – pre-emergence markers – circuit selector – set of two extra track eradicators - twin wheels - a connecting cable to connect the QUANTRON S-2 to the tractor radar signal capture device.

MEGANT

# THE PROS OF TINE COULTERS AT A GLANCE

## STRONG POINTS OF TINE COULTERS

Fast seeding possible without limitation to quality of seed deposit

Seeding rows properly cleaned from all residues

Good ground penetration also with reduced coulter pressure

Seeding rows closed reliably under most circumstances

Universal use in ploughed and min-tilled land possible

Simple design of coulter unit for less maintenance

Comparably low fuel consumption and power requirement

## Check out the most complete range of seed drills on the market



1. mounted mechanical 2. integrated mechanical 3. with front hopper 4. integrated pneumatic 5. trailed pneumatic 6. mounted min-till 7. trailed min-till 8. precision seed drills.

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