Mechanical seed drills
VITASEM

Mechanical. Practical. Great.

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Mechanical. Practical. Great.

VITASEM / VITASEM M

Proven technology meets user-friendly, practical features, all in the latest generation of mechanical VITASEM seed drills. The machines are available as simple linkage-mounted seed drills and with the suffix M (mounted) as implement-mounted machines. The numerous equipment options are designed to cover all operating conditions for perfect sowing results every time. At the same time the machines offer unbeatable user-friendliness.

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The best soil – for perfect plant growth

What significance does the soil have?

The soil is the basis for agriculture and forestry and is one of the world's most important yet limited resources. As the essence of our life, soil provides the basis for high-quality nutrition for us and our livestock.

Healthy soil is indispensable for healthy plant growth and preserving soil life in the long term with the following aims: Optimising your yield and its quality.

The foundation of your success

Drilling for planting literally sows the seeds of plant growth in the ensuing months and, at the end of the day, a successful harvest. Apart from the weather, the crop type and the previous crop, the soil itself plays a vital role in the plants' development.

Loose soil with good pore distribution and no compaction enables the crops to take root intensively and deeply. The large amount of space available for roots is essential for taking in nutrients and groundwater during the principal growth stages.

Appropriate tillage and seedbed preparation are the prerequisite for successful sowing.

Well prepared

A perfectly prepared seedbed features a uniform, level finish, an ideal proportion of fine soil and optimum consolidation. This, plus sufficient covering of the seed, creates perfect germination conditions for rapid and uniform plant growth.

However, the seedbed should only be as finely crumbled as necessary. If the proportion of fine soil is too high there is a greater risk of erosion caused by wind or water as well as of surface mud formation. A coarser seedbed, on the other hand, offers a more suitable habitat for pests such as snails.

With its high-performance and efficient compact combinations and power harrows, PÖTTINGER provides you with optimum support so that the seed is placed in a perfectly prepared seedbed.

Perfectly placed

For homogeneous and rapid seed germination, seed must be placed precisely, evenly and perfectly covered with soil.

Precision placement of the seed is obtained by forming a well-defined seed slot and ensuring uniform seed depth. The seed depth also determines the subsequent vitality of the crop. Placing seed too deep costs it too much energy and it takes longer to germinate. This increases the risk of infection with seed or soilborne pathogens. To prevent this, a precise working result is essential and gives the crop a head start.

The large diameter DUAL DISC coulters with greater coulter pressure are particularly efficient and cut right through even large amounts of harvest residues to form a uniform, tidy seed slot.

Mechanical seed drills

Short summary

To guarantee our farmers straightforward, precise sowing, the VITASEM machines have been given a makeover and optimised. The tried-and-tested technology is now combined with even easier operation. This is the signature feature of our mechanical seed drills.

In keeping with the slogan “Mechanical, practical, great”, our machines are ready to handle all sizes of farm and their specific on-site conditions. This is reflected in the possible working widths of 2.5 to 4.0 metres and also in the various machines they can be mounted on for seedbed preparation. The proven, versatile coulter systems ensure a neat seed slot for perfect seed placement in almost all operating conditions.

The precise multi-metering system, available with either mechanical or electric drive, ensures uniform distribution of all kinds of seed.

Optimum seedbed preparation

The diversity of soil conditions and arable farming practices require a wide range of tillage implements for seedbed preparation. That is why we have compact combinations and power harrows that are tailored to the conditions on your farm. The various machines impress with the following features:

- FOX with harrow tines: suitable for light, sandy soils to produce a fine, crumbly seedbed
- FOX D with discs: smooth running for lower power consumption, suitable if organic matter is to be worked in
- LION CLASSIC: rigid, lightweight power harrows, suitable for tractors up to 150 hp
- LION: rigid, medium weight power harrows for variable soils, for tractors up to 200 hp
- LION MASTER: rigid, heavyweight power harrows for the most demanding conditions, for tractors up to 270 hp

Multi-metering system

Grain by grain: The unique seed metering system is the trademark of VITASEM seed drills.
To cover a wide range of applications, two completely independent metering units are combined in one system. Both metering wheels are mounted on the same metering shaft.

- Two individual metering wheels in each housing mean you can switch between normal seed and small seed metering within minutes.
- The primary objectives of this technology are the exact setting of the required seed rates and optimised plant distribution density, both of which this proven system is able to support.

Uniform seed germination

Best seed placement guaranteed

The potential yield at harvest depends on precision seed placement. The seed should be placed in a damp slot and covered with fine soil – regardless of whether the soil in which it is placed is light, heavy, dry or damp.

Uniform seed placement is of paramount importance for optimum crop management and ultimately a high-yield harvest. Homogeneous germination can result in uniform crop growth, enabling precise and effective application of pesticides. Crop that ripens evenly also contributes to improved harvesting performance.

Thanks to the different coulter systems for a wide range of conditions, the PÖTTINGER seed rails ensure a uniform placement depth and perfect seed emergence.

Depth control and setting

- Suffolk coulter and single-disc coulter: Depth and coulter pressure adjustment is performed via a main spindle at the left of the implement. The coulter pressure is adjusted centrally using a spring mechanism. Precise spring alignment on both disc gangs guarantees uniform coulter pressure. Socket pins control the depth of the coulters via optional press wheels.
- DUAL DISC coulter: Coulter pressure and seed depth are adjusted centrally by spindles.

Alternatively, coulter pressure on all disc systems can be adjusted hydraulically (except on the CLASSIC models).

Optional depth guidance rollers with a diameter of 250 mm and a width of 40 mm (330 mm x 50 mm standard on the DUAL DISC system) ensure even more accurate maintenance of consistent seed depth. In addition, the seed slot is safely compacted for perfect soil coverage of the seed which guarantees fast germination.

Suffolk coulters

Suffolk coulters are suitable for conditions where there is little organic matter on the surface, on ploughed soil for example. A tidy seed slot is shaped by a cast coulter tip with a coulter pressure of up to 25 kg. The seed is placed immediately after the seed slot has been formed.

High ground clearance is provided by the generous coulter offset of 30 cm on the coulter rails. Depending on the model and working width, row spacing of between 12 and 13 cm is available. The narrow row spacing ensures ideal plant distribution density and rapid canopy closure. This minimises the spread of weeds.

Integrated protective flaps behind every disc ensure a high level of operating safety. If the machine moves backwards, the protective flaps close upwards, stopping the flow of material. This prevents the ingress of soil and, consequently, clogging.

All bearings on the coulter system are maintenance-free and wear-resistant for safe operation.

Single-disc coulters

Our dished, 320-mm-diameter single-disc coulters are particularly suitable for locations with high volumes of organic matter. The diagonally tracking disc coulters open up the soil. A coulter pressure of up to 25 kg is possible here. The wear-resistant cast coulter tips remove wilted straw and crop residues from the seed placement area and form a neat seed slot.

30-cm coulter offset ensures high clearance and trouble-free sowing. Depending on the model and working width, row spacing of between 12 and 15 cm is available.
Narrow row spacing ensures that the canopy closes soon after the crops start to show. This suppresses the growth of weeds. Large row spacing allows better aeration of the crop, which minimises fungal infections.

The adjustable rotating scrapers are located behind the sturdy coulter tips so that side clearance is not reduced. All bearings are maintenance-free. The coulters are mounted on twin-race angular contact bearings with special seals for maximum service life.

DUAL DISC

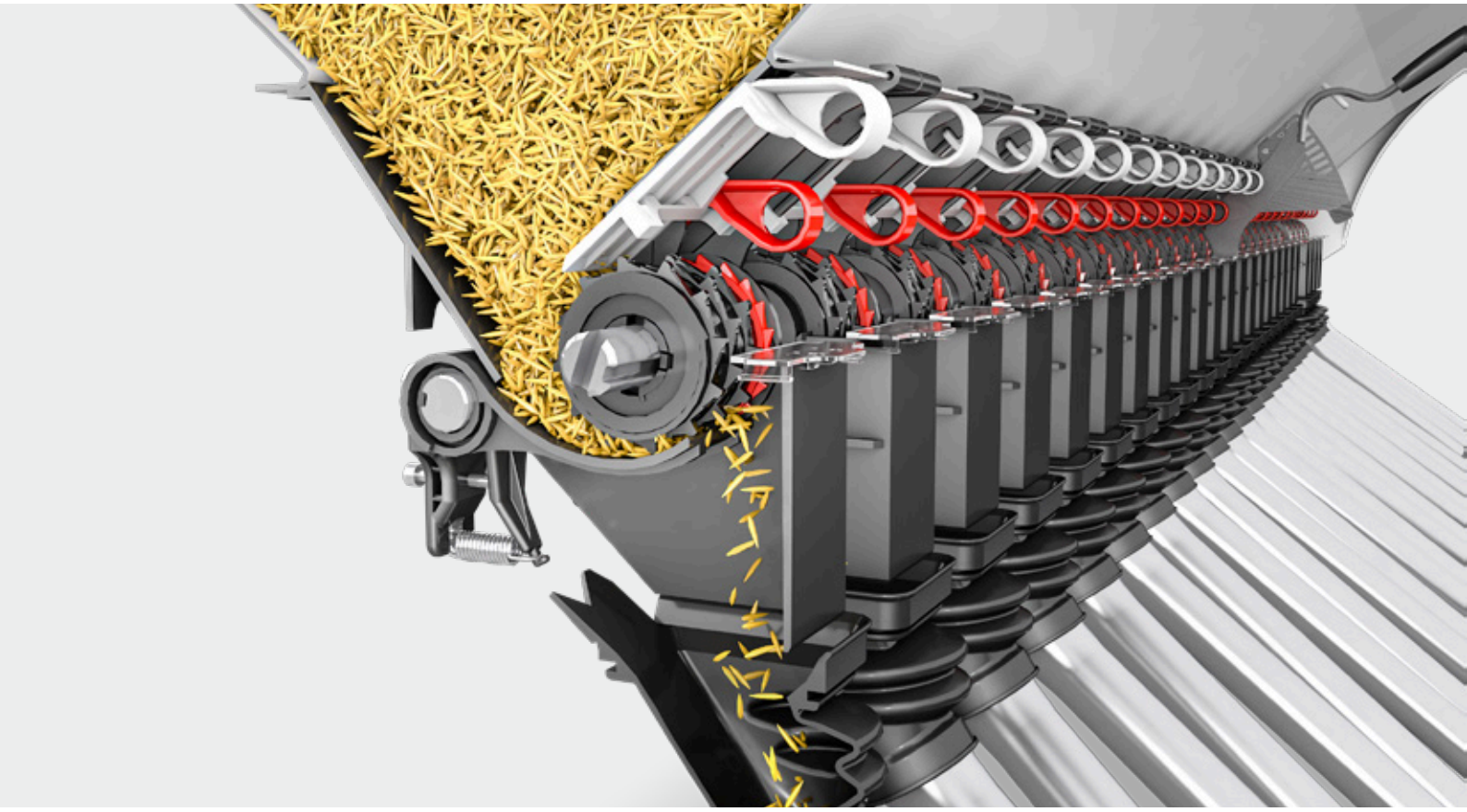
The DUAL DISC double disc coulter system ensures precise seed placement even in the most difficult conditions.

Row spacing of 12.5 to 15 cm is available. Spacing of 12.5 cm aids rapid canopy closure, which minimises weed growth. Spacing of 15 cm is suitable for sites that tend to be damper and require better aeration. This prevents fungal infections.

The coulter discs with a diameter of 350 mm are slightly offset and form a clean and tidy seed slot. The maintenance-free, equal length aluminium coulter arms with an offset of 30 cm ensure maximum reliability even with a high level of plant residues.

With up to 60 kg applied to each seed coulter, they reliably cut through plant residues even at high driving speeds. The coulter pressure ensures smooth operation, which guarantees precise seed placement. The V-shaped seed slot prevents the seed from rolling.

Versatility



Versatile drilling

Proven and precise seed metering with the multi-metering system is the signature feature of VITASEM seed drills. Two completely independent metering units are combined in the one seed housing. All the metering wheels are located on the same metering shaft.

Using the 2-slide solution, the individual metering slides can be pushed in or pulled out to quickly switch from fine to normal seed, for example from oil seed rape to cereals. This saves time and increases the flexibility of your machine.

As an option, reverse metering for poppy seed or oil seed rape, for example, is possible with the standard metering wheel. To achieve better seed separation, the rotation direction of the sowing shaft is changed. The seed is picked up in cups and delivered to the intake funnel.

Flexible tramline control

When tramline switching is engaged, up to 5 rows per tramline can be worked in comfort from the terminal. The tramline motor engages the metering shaft via adjustable catch hooks and stops the selected metering wheels by means of a wrap spring clutch.

The optional tramline expansion for two rows allows fast switching between two different tramline widths via the catch hooks.

The sowing shaft is divided through the middle by a mechanical coupling. This makes manual half rail switching possible for starting with half the machine width for asymmetrical tramlines.

Multi-metering system

Flexible hopper TEGOSEM

During sowing, the optional flexible TEGOSEM hopper combines application of a companion crop or microgranulates in a single pass to save time and costs.

The material to be applied is distributed evenly with the TEGOSEM. Companion crops are beneficial in areas at risk of erosion. Microgranulates can speed up seed germination.

The metering unit is driven electrically. Two different sizes of metering shaft ensure precision distribution of the material (fine or coarse metering), even at low application rates.

Reliable surface application

The separate fan drive system is operated electrically. The material is applied to the surface pneumatically using distribution plates. This guarantees full surface application regardless of the wind conditions. The angle of the distributor plates is adjusted centrally to vary the distribution range.

User-friendly filling and calibration

Filling is done from the loading platform on the seed drill. The filling opening is located at an ergonomic height, allowing the hopper to be filled in a comfortable standing position.

Calibration is also performed standing beside the TEGOSEM with the machine lowered.

Versatility

Seed grain size varies enormously. For this reason, a sophisticated metering system is necessary. The combination of the offset 3-row cam seed wheel and the 1-row fine seed wheel enables precise placement of grains of every size. The metering wheels are separated by a partition. A choice of reducer inserts are provided to increase seeding variability. This well-thought-out system makes it possible to reduce the amount of seed needed. At the same time, sowing accuracy is increased by precise distribution of the seed. All possible configurations can be changed in minutes without the need for tools.

Fine seed flow control

Adjusting the speed of the sowing shaft is easy and fast with the step-less gearbox that runs in high viscosity oil. Sowing shaft speed is reduced by half by adjusting the countershaft. With this combination, the metering shaft always runs at a speed suitable for every seed type. This provides optimum seed flow rate control.

Switching an agitator shaft or pendulum shaft on or off guarantees steady material flow and also improves sowing accuracy of seed with sluggish flow rates.

Normal seed

The open white slider supplies seed to the black 3-row cam seed wheel. 36 cams ensure perfect seed metering. The partition on the seed flap prevents overflow to the fine seed wheel.

The countershaft enables application rates of 10 to 400 kg/ha with the normal seed wheels.

Suitable seed types:

- All cereals (incl. spelt)
- Legumes (beans, peas)
- Catch crops
- Grasses

Fine seed

Adjusting the sliders allows switching from normal seed to the standard fine seed in next to no time. The red fine seed wheel has 24 cams with a toothed profile and is ideal for precise metering of the smallest grain sizes.

The lowest seed flow rates of 1.5 to 12 kg/ha are achieved with the fine-gain wheel.

Suitable seed types:

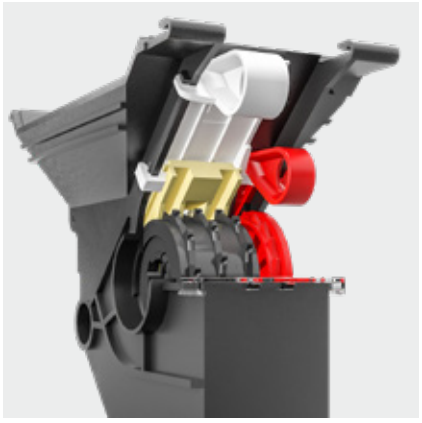
- Rapeseed
- Mustard
- Phacelia

Multi-metering system

Perfectly adjusted

The flaps are calibrated centrally using seven setting-locks for different seed types. The spring-loaded flaps can easily ride over foreign objects.

A raised partition prevents overflow between the fine and normal sowing wheels, thus guaranteeing maximum sowing precision.



Reverse metering

Unique amongst mechanical seed drills is the possibility of switching from drill sowing to single seed metering thanks to the option of reverse metering.
This entails the use of a reducer and reversing the rotation direction of the sowing shaft by switching the gears in the side drive unit. No tools are needed to do this. Small hollows on the rear of the sowing wheel pegs take only one grain and drop it overhead into the seed funnel.

Seed can be placed individually at ultra-low flow rates of 0.7 to 3.6 kg/ha or 25 to 90 grains/m^2.

Suitable seed types:
- Rapeseed
- Poppy seed

Hybrid sowing applications

The reverse metering reducers can also be used for special use cases, such as sowing hybrids.
Fully inserted, they cover a third of the surface of the normal sowing wheel.

This makes it possible to achieve seed flow rates from 4 to 90 kg/ha.

Suitable seed types:
- Hybrid cereals

Sowing with reducers for mixed seed

Reducers for the normal sowing wheel are available as an option for even lower seed rates. If used, they cover two-thirds of the surface of the normal sowing wheel.

This makes seed flow rates from 3 to 40 kg/ha possible with no trouble at all.

Suitable seed types:
- Catch crop blends with coarse-grain seed, for example mixtures with fine-grain legumes

Convenient to use

Convenient metering

To make operation as convenient as possible there are two metering drives to choose from. Each has its own advantages and makes the working day easier thanks to a steady, precise metering of seed.

Mechanical metering drive

On the linkage-mounted machines, mechanical metering is driven by the large wheels. On the one hand, this ensures safe operation because the high wheels minimise rolling resistance. On the other, the pressure the machine exerts on the soil is reduced. On the implement-mounted machines, the drive is provided by a spur wheel running within the working width.
Alternatively, the seed rate can be altered electrically on both machine types.

Greater sowing convenience

With the optional electric metering drive for implement-mounted machines, seed rates can easily and conveniently be reset from the tractor seat in combination with a POWER CONTROL or a CCI 1200 ISOBUS terminal. The speed signal here comes from a radar sensor on the machine or via the tractor.

Electric metering

The electric metering is activated via ISOBUS. By using application maps the seed rate is variably regulated by automatic adjustment of the sowing shaft speed. This also enables section control and engages the machine's complete width at the headland to prevent any overlapping. Calibrating is performed at the touch of a button.

Carry more with you

Seed hopper volume has been increased by as much as 25 per cent compared to the previous models. Consequently, seed capacity is greater, especially for large-grain seed and seed with little weight per volume unit. This increases output and area coverage. You save a lot of time because the filling intervals are longer.

An optional hopper grid can be fitted to prevent large foreign objects entering the hopper.

The headstock is secured to the hopper and has a centre wall and bulkhead plate for greatest possible strength. The funnel-shaped outlets above each metering wheel ensure seed is fed in accurately and stop it shifting to one side when driving along a slope. Consequently, no metering unit is emptied and sowing errors are prevented.

Watertight hopper

The complete sealing arrangement of the hopper protects the seed from moisture and spray. As a result, seed quality remains constant and clean sowing is also guaranteed during brief showers of rain.

Safe filling

The opening is large enough to easily fill with big bags or a tractor front loader. A wide support for sacks makes it easier to fill by hand.

Ergonomically designed handrails are attached to the seed hopper for safe and convenient access. The wide platform provides an ergonomic and confident work environment.

Better visibility at night.

For increased operating comfort, convenience, and particularly for greater safety when working at night, the hopper has interior lighting combined with flood lamps on the machine as an option.

Convenient to use

Practical operation: All the controls on the linkage-mounted machines are simple and convenient to operate from the left side of the machine. Calibration, agitator shaft settings and access to the loading platform are also found here.

Correct calibration is essential for uniform seed distribution and consequently for homogeneous emergence. We at PÖTTINGER make the calibration process easier for you with numerous useful features to ensure that what you want to sow actually arrives at the seed coulter. It is now even easier than on the previous model.

Agitator shafts are provided as an option for seed with sluggish flow properties so that no clogging occurs above the sowing wheels and to guarantee a steady flow.

Mechanical calibration

Calibration is performed mechanically as standard by turning a calibration handle.

The number of rotations continues to be counted on the terminal.
When the final five rotations are reached, an acoustic signal sounds to alert the operator that calibration is about to end.

This allows you to keep track of everything and avoid calibration errors.

Calibration made simple

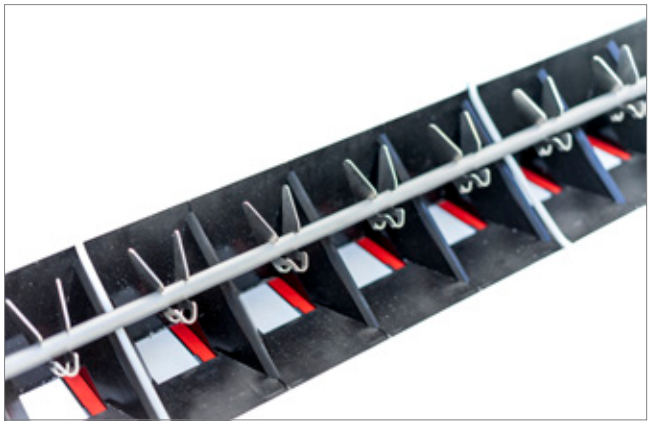
Available as an option, an electric calibration system can also be installed on seed drills with mechanical metering. The motor saves you from laboriously cranking by hand and runs at a constant speed. This reduces calibration errors and improves accuracy.

The same level of operating convenience is achieved as with electric metering.

A look at the calibration tray

At the start of calibration, the two calibration trays are swivelled in and out by manually operating a lever.

A major advantage of the VITASEM seed drills is the clear view into the calibration trays. This means that you can see the metering rate of each row and take immediate action if a metering unit is set incorrectly.



Improve seed flow

The optional rotating agitator shafts are particularly well suited for spelt-like seed types such as hulled wheat. The pendulum agitator is designed for special applications such as grass seed with sluggish flow characteristics.

For rapeseed, legumes and seed types with fluid flow properties there is no need to use the pendulum agitator, especially since its use could damage the delicate grains.

Easy removal

To make your work as easy as possible, access to the calibration trays has been improved. On the one hand, they are easy to remove at the side.

On the other, they can also be taken out from the loading platform. This increases flexibility during the calibration process.

Weighing the calibrated amount

The calibration bag is simply clipped into the seed hopper with the scales that are available as an option. This makes it easy to see the weight that has been calibrated and the seed can then be quickly poured into the hopper.

Short steps when feeding in the seed make calibration faster and easier.

Spacious storage compartment

On the right-hand side of the machine there is a spacious storage compartment where the scales, calibration bag and all important equipment can be safely stowed.

Mechanical linkage-mounted seed drills


POTTINGER
TEGOSEM
200
VITASEM 3000

Mechanical linkage-mounted seed drills

Range of varieties

The VITASEM linkage-mounted seed drills deliver more than just perfect drill sowing. Equipped with wheels, they can be used universally on their own or together with a soil preparation implement. Due to the low weight of the mounted seed drills, these machines are ideally suited for smaller tractors.

Two model lines are available.
- VITASEM CLASSIC
- VITASEM

The VITASEM CLASSIC has smaller seed hopper capacity and is the lightweight among the linkage-mounted machines.

Its numerous optional fittings mean that every machine can be perfectly adapted to your needs.

Flexible applications

On their own, the wheeled machines are used for tillage and sowing in two steps. Here, it is important to have a well-prepared seedbed. The machine can also be used for grassland repair sowing.

In combination, FOX compact combinations and LION power harrows can be mounted using HYDROLIFT. The three-point linkage mounting makes it easy to attach other manufacturers' equipment to VITASEM seed drills.

Mounting with HYDROLIFT

Linkage-mounted seed drills can be hitched using the three-point linkage mounting on the HYDROLIFT frame of the soil preparation machines. For added strength, the VITASEM headstock is bolted to the seed hopper.

Gentle on the ground

The large side wheels drive the metering shaft and reduce the pressure the machine exerts on the soil. Wheel scrapers are standard equipment.

Track eradicators for seed drill wheels, track rippers for the tractor track and wide tyres are available as options. The angle and penetration of the track eradicator tines can be adjusted for optimum adaptation to your working conditions.

Coulter versions available

Suffolk coulter:

- Suitable for working conditions with low levels of organic matter
- Row spacing of between 12 and 13 cm, depending on the model and working width
- Coulter pressure up to 25 kg
- Straightforward design for low machine weight

Single disc coulter:

- Suitable for working conditions with high levels of organic matter
- Row spacing of between 12, 13.2, 14.3 and 14.8 cm, depending on the model and working width
- Coulter pressure up to 25 kg
- Robust system for maximum service life

Generous seed hopper

Compared with the previous generation, the seed hopper volumes on all models have been increased by up to 25%. This ensures fewer filling intervals, shorter waiting times and ultimately an increase in output.

Standard hopper capacity, all models / optional increased capacity

- VITASEM 3000 CLASSIC: 530 l
- VITASEM 2500: 640 l
- VITASEM 3000: 770 l / 1,200 l
- VITASEM 4000: 1,070 l / 1,700 l

Settings on the machine

All major machine settings are located on the left in driving direction. Everything in one place saves precious time. The adjustment controls for coulter pressure and sowing depth are easily accessible and can be ergonomically operated with the ratchet wrench supplied.

Mechanical implement-mounted seed drills

Mechanical implement-mounted seed drills

Always in combination

Our VITASEM M and VITASEM M CLASSIC are implement-mounted seed drills. Coupling up to FOX compact combinations or LION power harrows in their light, medium or heavy versions is done in minutes via a 4-point linkage on the rear roller. The optional hydraulic top link allows generous coulter lift via the centrally located pivot point on the rear roller.

Safe on the move

In the field the weight of the seed drill acts directly on the rear roller. The power harrow retains its freedom of movement and can ride over stones.

Optimum weight distribution

Mounted on compact combinations or power harrows, the weight of the seed drill is placed as far forward as possible. The additional weight of the seed drill on the rear roller provides even better consolidation of the seedbed. The distance between the coulters and the power harrow rear roller is minimised to form a compact unit.

Parallel linkage

Fixing the seed drill to the rear roller and connecting it to a top link with the soil preparation implement forms a parallel linkage. As a result, rear roller and seed drill form a single unit, which means that no corresponding adjustment of the top link is necessary when the working depth of the soil preparation implement is adjusted. The machine is consequently always exactly horizontal.

Metering shaft drive

The metering shaft is driven by a spur wheel running within the working width. The step-less gearbox runs in high viscosity oil for smooth, uniform seed placement, even at low speed.

The metering shaft drive can be powered electrically if preferred. The speed signal comes from the radar sensor on the drill or from the tractor, then the spur wheel is not needed.

Coulter versions available

Suffolk coulter
- With low volumes of organic matter
- Row interval 12.5 cm

Single disc coulter:
- Suitable for working conditions with high levels of organic matter
- Row spacing options 12 and 15 cm
- Coulter pressure up to 25 kg
- Robust system for maximum service life

DUAL DISC coulter:
- Precise seed placement even in the most difficult conditions
- Row spacing options 12.5 and 15 cm
- Coulter pressure up to 60 kg
- Robust aluminium coulter arms for lightness and strength in one

Generous seed hopper

VITASEM M CLASSIC models have a smaller seed hopper. They are consequently lighter and designed for operation with smaller 4-cylinder tractors. Excellent view of the working result thanks to the low equipment height.

Standard hopper capacity, all models / optional increased capacity

- VITASEM M 3000 CLASSIC: 530 l
- VITASEM M 2500: 640 l
- VITASEM M 3000 & M 3000 DD: 770 l / 1,200 l
- VITASEM M 4000 & M 4000 DD: 1,070 l / 1,700 l

Settings on the machine

To maintain reliable operation and rapid adjustment, all machine settings are located on the left side of the implement and can be changed without tools. Coulter pressure and seed depth are set centrally using the ratchet wrench supplied.

Hydraulic coulter pressure adjustment is available as an option. This means that pressure can be adjusted while driving.

Technological highlights at a glance

1 Linkage

Both machines in this line are coupled to the tractor's 3-point hydraulic linkage. For easy coupling to your tractor, a variety of positions are available for selection.

- VITASEM: Tractor – seed drill
- VITASEM + soil preparation:
  Tractor – LION/FOX – HYDROLIFT – seed drill
- VITASEM M: Tractor – LION/FOX – seed drill

2 Metering system

The multi-metering system enables rapid switching between normal seed and fine seed. A range of reducers increases the sowing spectrum even further.

- Precise seed grain separation
- Seed rates between 0.7 and 400 kg/ha.

3 Seed hopper

The large hopper capacity means fewer filling intervals, shorter waiting times and ultimately an increase in output.

- Between 530 and 1,700 l
- Hopper cover hermetically sealed
- Optional interior hopper lighting for greatest possible safety at night

4 Operation

Nearly all the settings are placed on the left-hand side of the machine. This is where calibration takes place.

- Simply, conveniently and easy to access
- Simplified calibration, also through removal of the calibration trays at the side

5 Loading

For safe loading of the seed hopper, the access ladder and loading platform are fitted with non-slip perforated plates. A handrail provides extra support.

- Wide cover opening: easier loading with big bags
- Easy access for loading with loader buckets
- Handrail fixed to the hopper

6 Soil preparation

Both machines can be equipped with soil preparation implements. The VITASEM linkage-mounted drills require the HYDROLIFT linkage frame.

- LION CLASSIC, LION and LION MASTER power harrows ensure a fine and crumbly seedbed
- FOX and FOX D enable fast driving speeds

7 Coulter rails

A variety of coulter systems, each of which has proved its excellence over the years is available for the various machine types. So you can choose whatever best suits your working conditions.

- Suffolk coulters, single disc coulters, DUAL DISC coulters
- Row spacings of 12.5 to 15 cm

8 TEGOSEM

In addition to sowing, the flexible TEGOSEM hopper offers the option of grain distribution using a baffle plate.

- Grass seed
- Micrograins
- Slug pellets

Additional equipment options

The additional equipment options for VITASEM seed drills not only increases driver comfort but also contributes to a perfect working result even in the most challenging conditions.
Tramline markers and bout markers help drivers keep their bearings, while the various harrow tines give your sowing the finishing touch.

Tramline markers

Optional tramline markers are available for spraying and other crop protection measures before the plants start to show. The marker discs can be aligned to the desired track width. They can be turned to adjust their aggressiveness to the soil conditions.

When tramline switching is activated, the tramline markers are automatically lowered when the corresponding control has been set to float. They are raised using a single-acting remote valve or in combination with the bout markers. Where asymmetric tramlines are used, the tramline markers that are not needed can simply be folded away.

Bout markers

The optional bout marker discs aid precise merging even without a steering system. They are raised using a single-acting remote valve and lowered with the float setting. Switching between the left and right bout markers is automatic. Shear bolts provide overload protection.

Adjustable harrow tines

The strong harrow tines feature spiral springs for perfect results. Shocks are absorbed using maintenance-free rubber mountings. Damage is prevented if the machine is reversed inadvertently.

- Central tine angle adjustment, easy adjustment of depth and pressure
- Telescopic outer tines prevent ridges from forming during the adjacent pass
- Can be used together with press wheels without additional adapters
- Perfect and Standard rear harrow with tine suspension
- Individual adjustment of the pressure

Standard single-row harrow tine

The tines are aligned between the seed rows so that the seed slots are sufficiently covered with soil. These tines are of curved design to prevent blockages even in heavy organic material. The edging tine pairs are cranked inwards for a seamless pass-on-pass finish that eliminates any ridging

- Advantages with high volumes of organic matter; less susceptible to clogging which is influenced by angle adjustment
- For soils where a harrow is not needed, it can be set in the highest position (light soils, no harvest residues)

Perfekt single-row harrow tine

Perfekt harrow tines are designed for an especially intensive levelling effect. Alternate short and long V shaped tines smooth the surface over completely to ensure that seeds are definitely covered even when shallow-drilling. The result is uniform germination of every seed.

- The best levelling performance due to optimum smoothing effect of the tines
- Ideal for heavy soils and coarse seedbeds
- Even in hilly terrain, the seed remains untouched in the seed slot due to the sweeping effect

Intelligent control

COMPASS CONTROL – electronic control system

The COMPASS CONTROL operator terminal controls and monitors the functions on mechanical VITASEM seed drills. Control unit with multiple-line display and lighting.

- The keys are raised and backlit
- High quality two-component casing with display and status indicator
- Metering shaft rotations counted during calibration
- Calibration assistant with suggested gearing values
- Speed indicator
- Mechanical current and total hectare counter
- Operating electronic seed flow-rate control system
- Electronic tramline switching

POWER CONTROL – electronic control system

With the POWER CONTROL terminal you can control all ISOBUS-compatible PÖTTINGER seed drills with electric metering. The functions are pre-selected at the push of a button or using the touchscreen and performed via an additional tractor spool valve.

- All keys are labelled directly with the machine-specific functions to ensure intuitive operation
- All functions can be operated ergonomically with one hand without restricting the field of vision
- The colour display provides at-a-glance information on functions and the operating status of the machine
- Speed signal from a radar sensor or tractor signal via ISOBUS
- Menu guidance for calibration, tramlines and seed flow rate
- Pre-metering and stop/start metering
- Seed flow adjustment and seed library

EXPERT 75
ISOBUS terminal

The PÖTTINGER EXPERT 75 ISOBUS terminal offers high flexibility and enables professional operation of all ISOBUS-compatible machines, regardless of brand.
The newly designed terminal has been expanded upwards in terms of ergonomics and intuitiveness and offers a multitude of advantages.

- High quality 5.6" TFT colour touchscreen
- Rugged, stylish synthetic casing
- Convenient single-hand operation, grip bar for secure hold.
- Double-row arrangement of command keys on the right
- Straightforward and intuitive user interface
- Edit using keys and touchscreen
- Scroll wheel with confirmation function for direct input and adjustment of set points
- Compact size so does not obstruct field of vision
- Ambient light sensor and back-lit function keys

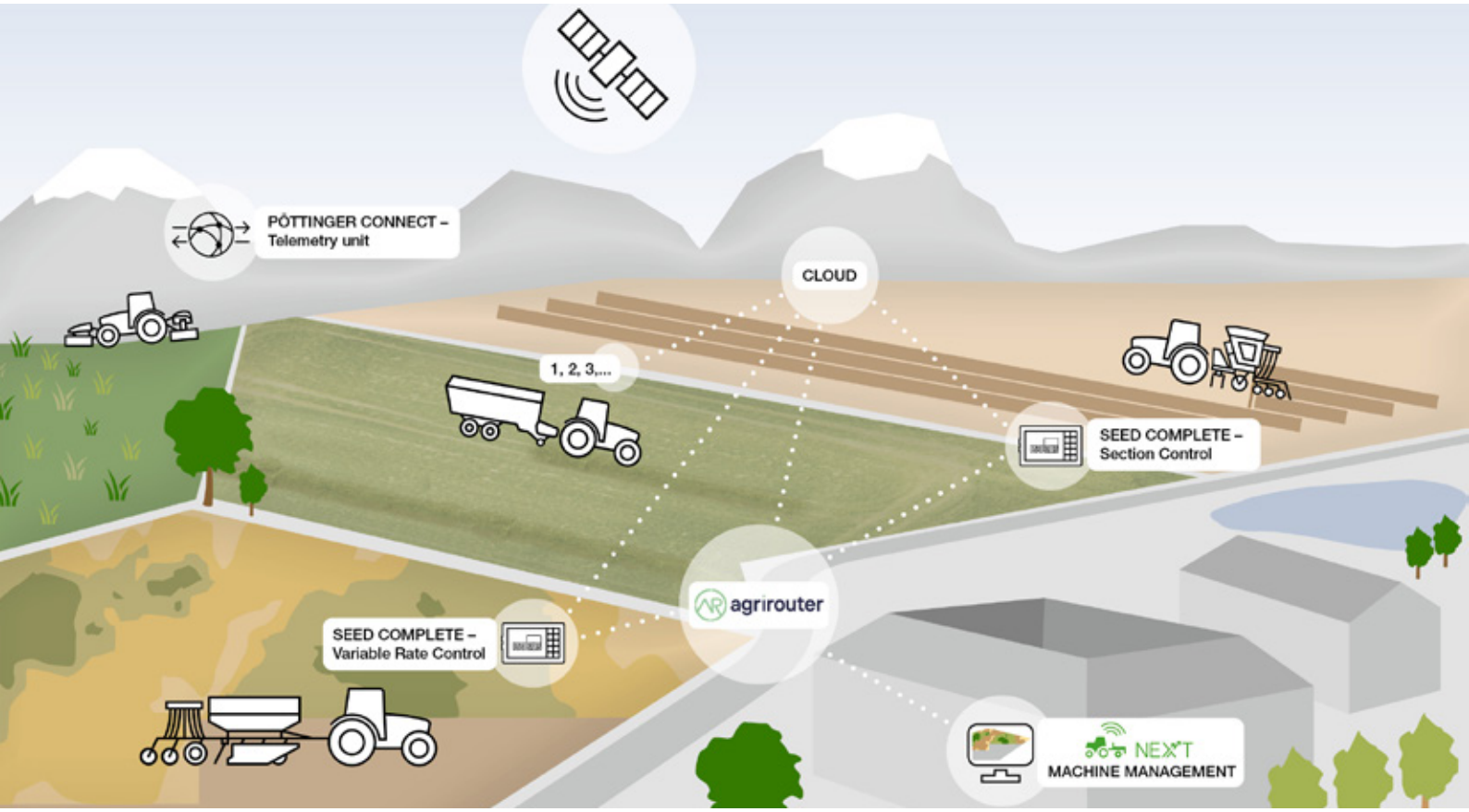
CCI 1200
ISOBUS terminal

In addition to the features offered by the POWER CONTROL terminal, this system also enables the control of all ISOBUS machines in your fleet, regardless of manufacturer.

- High quality 12" TFT colour touchscreen
- Straightforward and intuitive user interface
- Horizontal or vertical mounting possible
- Large view for best possible monitoring of machine functions
- Individual layout and intuitive operating concept
- Function pre-select
- Complete supervision of machinery
- Multi Boom terminal with up to 254 sections for selection control

Simultaneous display of multiple applications
- Camera image and machine functions at a glance
- Simultaneous operation of several ISOBUS machines possible

Our input – your output.



Competence in the digital field makes your daily work easier

At PÖTTINGER, we offer you numerous possibilities in the field of digital agricultural technology that make your everyday work easier. This enables you to operate more efficiently and conveniently.

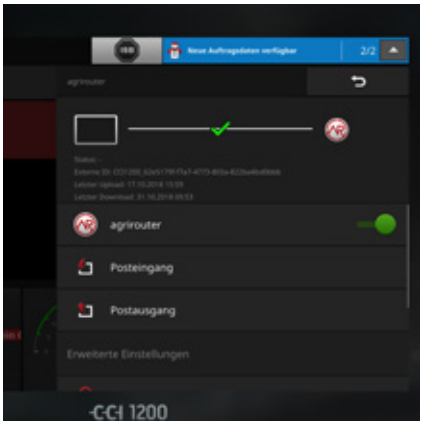
For years, our customers have benefited from intelligent control terminals and precision farming solutions for soil and seed, grassland and harvesting technology. Together with PÖTTINGER, being a modern, networked company becomes reality.

Ultimately, it's all about making your job easier and enjoying cost effective benefits through the use of intelligent technologies.
This means more convenience, time and profit.

VITASEM – electric metering and control functions

- Pre-metering
- Electrical calibration sequence
- Step-less seed rate adjustment while driving
- Hopper level measurement
- Metering shaft monitoring
- Seed library
- Section control across the machine's entire width
- Variable rate control with an application map

Digital agricultural technology



SEED COMPLETE – Precision Farming

With SEED COMPLETE, PÖTTINGER offers a tool for your success by optimising the management of your farming operations.

This system automatically adapts the seed rate to match the soil conditions in each field using application maps that you can prepare on the office PC before heading out. To ensure traceability at a later date, the data can be archived for comparison over the long term on the office PC.

The variable seed rate is yet another way of optimising yield.

The actual quantities and areas processed in the field can be transmitted back to the PC in your office at any time.

Getting the most out of your yield potential

GPS data can be used to start and stop the metering system to avoid seed windows and overlapping.

Differences in the soil and growth rate within a field can be taken into account during drilling. Simply select the site-specific quantity of seeds per square metre to get the best yield.

The precision application of seed, fertiliser and spray utilising technology leads to savings on variable costs of up to 5 %.

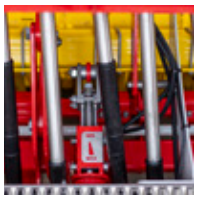
agrirouter and NEXT Machine Management

PÖTTINGER is a member of the agrirouter programme along with many other agricultural machinery manufacturers. agrirouter serves as a manufacturer-independent data exchange platform between humans, machines and farm software.

NEXT Machine Management networks your PÖTTINGER machinery intelligently with the rest of your fleet. Job files, machine data and application maps, etc. can now be sent easily using the agrirouter directly between the machine and the farm management software. This reduces your daily admin workload.

Accessories




	Suffolk coulters	Single-disc coulters	DUAL DISC Dual disc coulters	Hydraulic coulter pressure adjustment	Hydraulic spur wheel adjustment
3000 CLASSIC	□	□	–	–	–
2500	□	□	–	□	–
3000	□	□	–	□	–
4000	□	□	–	□	–
M 3000 CLASSIC	□	□	–	□	□
M 2500	□	□	–	□	□
M 3000	□	□	–	□	□
M 4000	□	□	–	□	□
M 3000 DD	–	–	■	□	□
M 4000 DD	–	–	■	□	□

Other optional equipment

- Press wheels (standard on DUAL DISC coulter system)
- Scrapers for press wheels
- Scales for calibration

Often ordered together

Optional seed hopper

lighting board

Electric seed rate control

Electric calibration aid

Electric metering

Flexible hopper TEGOSEM

–	□	□	□	–	–
–	□	–	□	–	–
□	□	□	□	–	□
□	□	□	□	–	□

–	□	–	□	–	–
–	□	–	□	–	–
□	□	□	□	□	□
□	□	□	□	□	□
□	□	□	□	□	□
□	□	□	□	□	□

■ = Standard, □ = Optional

Technical data

VITASEM	Working width	Seed hopper volume / optional volume	Coulter system: Suffolk = S / Single disc = E / DUAL DISC = DD	Row spacing	Number of seed coulters	Pressure per coulter
3000 CLASSIC	3.00 m	530 l	S / E	12 / 12 cm	25 / 25	25 / 25 kg
2500	2.50 m	640 l	S / E	13.2 / 13.2 cm	19 / 19	25 / 25 kg
3000	3.00 m	770 l / 1,200 l	S / E / E	12 / 12 / 14.3 cm	25 / 25 / 21	25 / 25 / 25 kg
4000	4.00 m	1,070 l / 1,700 l	S / E / E	12 / 12 / 14.8 cm	33 / 33 / 37	25 / 25 / 25 kg

VITASEM M

M 3000 CLASSIC	3.00 m	530 l	S / E	12.5 / 12.5 cm	24 / 24	25 / 25 kg
M 2500	2.50 m	640 l	S / E	12.5 / 12.5 cm	20 / 20	25 / 25 kg
M 3000	3.00 m	770 l / 1,200 l	S / E / E	12.5 / 12.5 / 15.0 cm	24 / 24 / 20	25 / 25 / 25 kg
M 4000	4.00 m	1,070 l / 1,700 l	S / E / E	12.5 / 12.5 / 15.0 cm	32 / 32 / 26	25 / 25 / 25 kg
M 3000 DD	3.00 m	770 l / 1,200 l	DD	12.5 / 15.0 cm	24 / 20	60 kg
M 4000 DD	4.00 m	1,070 l / 1,700 l	DD	12.5 / 15.0 cm	32 / 26	60 kg

Coulter disc diameter	Press wheel diameter	Transport width	Filling height	Fill opening	Power requirement	Machine weight (basic weight)
– / 320 mm	250 / 250 mm	3.00 m	1.30 m	2.52 x 0.62 m	90 hp	475 kg
– / 320 mm	250 / 250 mm	2.50 m	1.36 m	2.02 x 0.62 m	90 hp	470 kg
– / 320 / 320 mm	250 / 250 / 250 mm	3.00 m	1.36 m	2.52 x 0.62 m	90 hp	505 kg
– / 320 / 320 mm	250 / 250 / 250 mm	4.00 m	1.36 m	3.52 x 0.62 m	120 hp	675 kg
– / 320 mm	250 / 250 mm	3.00 m	1.55 m	2.52 x 0.62 m	90 hp	485 kg
– / 320 mm	250 / 250 mm	2.50 m	1.61 m	2.02 x 0.62 m	90 hp	455 kg
– / 320 / 320 mm	250 / 250 / 250 mm	3.00 m	1.61 m	2.52 x 0.62 m	90 hp	495 kg
– / 320 / 320 mm	250 / 250 / 250 mm	4.00 m	1.61 m	3.52 x 0.62 m	120 hp	640 kg
350 mm	330 mm	3.00 m	1.66 m	2.52 x 0.62 m	90 hp	585 kg
350 mm	330 mm	4.00 m	1.66 m	3.52 x 0.62 m	120 hp	690 kg

MyPÖTTINGER

MyPÖTTINGER – it's easy. Anytime. Anywhere.

Benefit from numerous advantages

MyPÖTTINGER is our customer portal that provides you with key information about your PÖTTINGER machines.

Get specific information and useful tips on your PÖTTINGER machines in "My machines". And find out more about the PÖTTINGER product range.

My machines

Add your PÖTTINGER machinery to "My machines" and assign a name. You will receive valuable information such as: useful tips on your machine, operating instructions, spare parts lists, maintenance information, as well as all the technical details and documentation.

Info on the product range

MyPÖTTINGER provides you with machine-specific information for all machines built starting 1997.

Scan the QR code on the machine's data plate with a smartphone or tablet or go to www.mypoettinger.com and enter the machine number from the comfort of your own home. You will immediately receive all the information on your machine, such as: instruction manuals, equipment options information, brochures, photos and videos.

CLASSIC

DURASTAR

DURASTAR PLUS

Rely on the original

PÖTTINGER Original Parts meet the highest demands in terms of functionality, reliability and performance. These are characteristics that PÖTTINGER is committed to delivering.

That is why we manufacture PÖTTINGER Original Parts from the highest quality materials. We ideally match each individual spare part and wear part to your machinery's overall system. This is because different soil and operating conditions often need to be taken into consideration.

He have been listening to our customers and now offer three different lines - CLASSIC, DURASTAR and DURASTAR PLUS - to make sure you have the right part to meet every requirement. Original parts are worth every cent, because know-how cannot be copied.

Your advantages

- Immediate and long-term availability.
- Maximum durability thanks to innovative production processes and the use of the highest quality materials.
- Avoidance of malfunctions due to a perfect fit.
- The best working results thanks to optimum match to the overall system of the machine.
- Save time and costs thanks to longer replacement intervals on wear parts.
- Comprehensive quality testing.
- Ongoing advancement through research and development.
- Worldwide spare parts supply.
- Attractive, competitive prices for all spare parts.

Wear parts

The CLASSIC line is for standard duty applications. With these ORIGINAL INSIDE parts we have defined the benchmark for quality, best price/ performance ratio and reliability.

DURASTAR is the innovation on the wear components market - durable, high quality, productive and reliable.

Are you used to putting your machines to work in the most extreme conditions? Then the DURASTAR PLUS line is the right choice for you.

PÖTTINGER

More success with PÖTTINGER

- A family-owned company since 1871
  Your reliable partner
- Specialist for arable and grassland
- Future-safe innovation for outstanding working results
- Roots in Austria - at home throughout the world

Mechanical, practical, great

- Multi metering system for all types of seed
- Seed flow rate from 0.7 to 400 kg/ha
- Convenient calibration with electric calibration aid and user-friendly tray system
- Straightforward switching between two tramline systems
- Higher productivity through greater volume

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