



SMS CZ presents its brand new INFINITE ploughs

IMAGE SOURCE: SMS CZ s.r.o.

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- SMS CZ introduces the INFINITE series of ploughs, expanding their product range in summer 2024.
- The INFINITE ploughs are designed for difficult soil conditions and come in four models with varying furrow numbers.
- Key features include a robust 140x140x10 mm frame, hydraulic cylinder with automated turning, and a choice of shear bolt or spring furrow security.
- The ploughs offer adjustable working widths, multiple mouldboard options, and ploughing depths up to 40 cm.

- Accessories include various skimmers, rolling coulters, sword landsides, and memory cylinders for enhanced functionality.
- The INFINITE ploughs are available for order through SMS CZ authorized dealers, with high demand noted in Western markets.

The product offer of the Czech producer of agricultural equipment for soil and meadow processing, **SMS CZ s.r.o.**, has been expanded from summer 2024 by a completely new category of machines, namely ploughs. With the INFINITE model series, the producer enters a new ploughing segment with a range of four models.

*"In the context of deep tillage, we have long been developing the range and concept of the **TALON** deep subsoilers. However, we have seen customer demand for conventional ploughs. We have now listened to their call and are introducing the **INFINITE** model series of inversion ploughs suitable especially for difficult soil conditions,"* says Petr Jirsa, Managing Director of SMS CZ, s.r.o.

As with other machines from **SMS CZ**, the **INFINITE** ploughs are characterised by high performance and long service life. This is achieved thanks to the machine's robust workmanship and the use of quality materials in its manufacture. The range consists of 4 models, which differ in the number of furrows, i.e. 4, 4+1, 5 and 5+1.

The 140x140x10 mm frame profile is also reinforced to withstand the toughest soil conditions. The recommended power of tractor for the **INFINITE 4** model is 120 kW, for the **INFINITE 4+1** and **5** models it is 140 kW and for the **INFINITE 5+1** it is 160 kW. The interbody distance is identically 1000 mm and the height under beam clearance is 800-820 mm. All models have the same linkage type category 3 and 10.0/75-15.3 support wheels.

As standard, the ploughs are **equipped with a hydraulic cylinder with automated unit** for turning and a trashboard. The furrows can be secured either by a shear bolt (standard) or by a spring, depending on the customer's preference. The working width is 35, 41, 47 cm and the machine operator having the option to mechanically change the width of the first furrow.



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When it comes to mouldboards, there is a wide choice of five types, from solid to strip. The components are made of extremely durable steel with a thickness of 8 mm (solid) and 10 mm (strip). The strip model is characterized by low soil resistance and excellent friability, compared to solid mouldboards, plus they reduce fuel consumption by up to 20 %. The ploughing depth is up to 40 cm. It is perfectly suited from sandy to clay soils. There are also helical solid ploughing bodies with ploughing depths of up to 30 cm and cylindrical solid ploughing bodies with ploughing depths of 34 and 40 cm respectively, depending on the type chosen.

As usual with **SMS CZ**, **INFINITE** ploughs can be equipped with a wide range of accessories. The farmer has a choice of different types of skimmers that take care of the optimum cover of crop residues, including ploughing corn. There is also a rolling coulter for cutting the soil at the last furrow, or a sword landsides and not forgetting the memory cylinder.

In addition, the easy maintenance of the machine is a clear customer benefit. The construction of the machines is designed to allow easy maintenance and quick replacement of worn parts.

“The machines are available now and can be ordered from SMS CZ authorised dealers. The demand for them is registered especially on the western markets,” says Petr Jirsa, Managing Director of **SMS CZ s.r.o.**

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