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**Press Release**

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**Steyr at Agritechnica**

## **Continuously variable innovations for tractors and multifunctional solutions for municipal and forestry operations**

**The new Profi CVT series from Steyr is presented with new technologies and numerous innovations, including a highly efficient CVT transmission with active stop control and double clutch technology / New multifunctional tractors for municipal and forestry operations / Presentation of the new municipal frame**

Steyr will use this year's Agritechnica to present its tractor programme – which has been significantly extended in recent months – in Hall 5, starting with the new Compact, through the new Multi, to the expanded Profi series.

The highlight of the fair is represented by the new Profi CVT series, which has been introduced by Steyr with a full package of innovations and technologies and which will be on display for the first time at Agritechnica. With the new Profi CVT series, Steyr has extended its tractor programme with continuously variable transmission in the 110 to 130 hp power range.

In addition, as a focal point of the exhibition, Steyr will provide information on new and multifunctional tractor concepts for use in municipal, horticultural, landscaping and forestry operations. Here,

the company is presenting two new all-round tractors equipped for municipal or forestry work, thus following the trends towards more multifunctionality, especially in municipal and forestry operations as well as in horticulture and landscaping.

### **New Steyr Profi CVT**

The new Steyr Profi CVT series is packed full of innovations and new technologies. These tractors were presented for the first time at the Agritechnica. The CVT-transmission developed by Steyr is the technical highlight. This drive features a continuously variable transmission and is based on the DKT double clutch technology. Steyr engineers at St. Valentin have developed an intelligent power split concept which allows for a speed of 50 km/h at a reduced engine speed of only 1750 rpm.

This results in a rugged drive technology which meets highest requirements, and a perfect engine/transmission management for excellent operation whatever the task may be – covering the full range from creeper speed to top speed of up to 50 km/h. The new transmission allows creeper speeds down to 20 metres per hour. The high efficiency CVT-transmission has two mechanical forward ranges and one reverse range, and was set up and developed in St. Valentin.

All new Profi models are equipped with modern FPT engines with turbocharger and intercooler as well as Steyr ecotech, featuring SCR exhaust aftertreatment to meet Stage III B emission standards, and an intelligent control system for the engine-transmission-management. The 4.5 litre four-cylinder engines are equipped with an electronic Common-Rail-Injection. Thanks to a powerboost, an additional power output of 22 hp is available for transport and pto applications.

### **Optimised Multicontroller**

The improved Multicontroller additionally provides for simplified operation and optimum workplace ergonomics. The Multicontroller is



fitted with back-lighted operating keys allowing for easier and safer operation in the dark.

Up to seven key functions of the tractor can be operated with just one lever, and only one button is needed for changes of direction.

#### Outstanding manoeuvrability

The slim engine construction and the central drive set of the new tractor design make a steering angle of 55 degrees possible, hence allowing for excellent driving characteristics and a turning radius of just 4.04 metres.

### **Multifunctional tractors for municipal and forestry operations**

“Multifunctional tractors for municipal, horticultural and landscaping operations.” With this slogan, Steyr is showing off its new all-round tractors with municipal and forestry equipment at Agritechnica and thus following the increasing trend to more multifunctionality in tractor operations in horticulture and landscaping, municipal as well as forestry operations.

#### **New Steyr Multi Municipal**

With the new Multi, Steyr offers a utility tractor tailor-made to meet the modern requirements of municipalities, road maintenance concerns, horticulture and landscaping enterprises.

The new Steyr Multi is powered by the latest engine technology, with a 3.4 litre FPT common rail motor with exhaust gas recirculation (EGR) and diesel particulate filter (DPF) at its heart, delivering more power with markedly lower fuel consumption. With an enormous torque rating of up to 461 Nm, the Multi has enough power to handle high-performance front- and rear-mounted implements.

High-tech also characterises the Multi’s drive technology. The transmission has been developed in a joint project between Steyr engineers in St. Valentin and the transmission company ZF, and

features numerous innovations that allow optimum combinations of forward speed and engine rpm to match the tasks in hand. Power is delivered to the wheels via a standard 32 x 32 transmission with four-speed powershift and powershuttle, complemented by a part-time four-wheel drive system with electro-hydraulic differential lock.

The new four-speed powershift with 40 km/h 'Eco' top speed has been specifically developed for the tough operating conditions the Multi is built for, and is offered with powerclutch and powershuttle. On the road, the 'Eco' feature helps achieve considerable fuel savings, with 40 km/h achievable at an engine speed as low as 1730 rpm.

On down the driveline is a four-speed pto, which also includes an Eco speed feature. This allows for powerful yet fuel-efficient operation of pto-driven equipment under all operating conditions. Hydraulic demands, meanwhile, are met by standard open- or optional closed-centre load-sensing pumps.

#### Modern design with practical implications

One of the distinguishing features of the Steyr Multi is its cabin, a completely new, premium development distinguished by its innovative roof construction. Directly adjacent to the windscreen, a standard roof window is harmoniously integrated into the cabin roof, offering optimum visibility when working with a loader.

Cab instrumentation has been thoughtfully arranged according to new ergonomic research, with controls for heating, ventilation, lighting and radio now integrated in the B-column to the right. Controls for all major tractor functions are placed on the right hand control panel. The result is an optimum working environment for the operator, who can easily keep an eye on all important information.

The distinctive Multicontroller, well proven in larger Steyr tractors, also features in the Multi. It provides comfortable operation and



control of all major tractor functions, including the rear hitch, powershuttle and powerclutch, as well as electronic remote valves.

The front hitch area has also been redesigned, with the front linkage and pto now integrated harmoniously into the tractor. The slim engine construction, central driveline and a steering angle of 55 degrees make for excellent driving characteristics and a turning radius of just 4.05 metres.

The Steyr Multi Municipal is fitted with a municipal frame, which is fully integrated in the tractor design. This version of the tractor presents an ideal solution for the challenging tasks of all-season operations.

Made in Austria

The design and development process for the new Steyr Multi has taken place in-house at Steyr's Austrian Development Centre in St. Valentin, where serial production and training will also be hosted. For the market launch, the Multi series will consist of the 99hp 4095 Multi and the 114hp 4115 Multi.

### **The new Steyr Kompakt:**

The Steyr Kompakt, which also makes its debut at the show - is a new, economical and highly versatile municipality tractor. Equipped with a newly developed and very fuel-efficient FPT 3.4 litre common rail diesel engine with turbocharger, it is offered in models of 85, 95 and 105 hp, and for the first time introduces technology, comfort and economy from larger Steyr tractors to the compact class.

In addition, the new Steyr Kompakt comes with a cab that is a completely new development, setting benchmarks in terms of comfort, ergonomics and surround vision, and with a completely flat floor. A new roof window has been integrated directly adjacent to the



windscreen, allowing for optimum visibility during loader operation and producing a well-lit, comfortable workplace.

### **Steyr municipal frame – optimum equipment for heavy-duty operations**

For tractors in municipal operations, the front hitch is now one of the most important working areas. In response to the continued increase in implement sizes, capacities and weights, and the torsional forces they create, Steyr has developed the next generation of the well-proven municipal frame, which allows for quick mounting of front implements. A standardised quick adaptor plate is the centre-piece of the system, and is interchangeable with a front lift linkage. As a result, front-mounted implements can be attached safely and quickly.

For the first time, side-rails are now used on the Steyr municipal frame, to improve its ruggedness and increase torsion resistance. A new central beam improves stability and resistance to buckling and torsion. The result is a tractor that can safely handle the heaviest implements. To match, rear axle support has been boosted to prevent overloads on the front axle mounts.

More information on Steyr tractors is available online at [www.steyr-traktoren.com](http://www.steyr-traktoren.com)

Steyr has been synonymous with leading technology and high-quality machinery for more than 60 years. Its premium Austrian-built tractor range focuses on outstanding comfort and precision operation, using proven technical innovations to maximise productivity for operators in the agricultural, forestry and municipal sectors. Steyr customers are backed by first-class support from Steyr's professional and highly experienced network of dealers. More information on Steyr products and services can be found online at [www.steyr-traktoren.com](http://www.steyr-traktoren.com).

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