

Precision meets Motion

NEWS

*Tool change in
only 20 seconds!*



Pit Stops, where you win the race!

EWS . Varia VX

Reducing set-up time with the innovative
EWS-quick-change-system

EWS
Tool Technologies

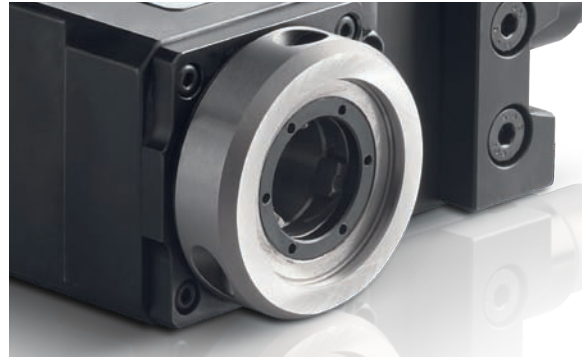
EWS . *Varia VX*

Pit Stops, where you win the race!

Precise, fast and efficient – these are the characteristics of the next generation of machine tools. The new EWS . *Varia VX* system meets all of these attributes.

Focus on Precision

The taper and planar support of ***Varia VX*** guarantees a maximum concentricity, and has a positive effect on high spindle speeds. This feature is of great importance, especially in the case of small tool dimensions.



The Provision of Speed

Speed is understood by the EWS engineering team as the requirement needed to retool a machine quickly. The Pit Stop is the place where you win a race!

The same is true in a shop. Set-up or tool change times have a significant impact on the efficiency of a turning/milling cell, especially with small lot sizes. **EWS . *Varia VX*** sets the standard in this respect. The easy-to-use one-hand operation allows a tool to be changed completely within 20 seconds. This is what we call ***VXtreme***.

New Definition of Performance: **P=VX**

A positive polygon transfers the performance potential of the tool drive free of play, with torques of up to 200 Nm being achieved.

Depending on the requirements, ***Varia VX*** may be equipped with a high-speed spindle bearing or a taper roller bearing for heavy machining. In case the performance characteristics of the machine are insufficient, high-precision gears will provide individual support in terms of rotation speed or torque.

Focus on Internal Cooling

A diametrically working diaphragm seal between the adapter and the holder allows the transfer of coolant pressure up to 100 bar leak-free and accurately, depending on the tool type.



EWS . Varia VX**Pit Stops, where you win the race!****Clamping Unit**

Three multi-functional cam lobes mounted on a gear segment have a twofold effect. First, the three-point clamping evenly pulls the tool head into its working position. Once detached, the adapter is mechanically actuated and ejected by means of tappet slides and afterwards released for removal. During machining, the preloaded dual tapered contact surface guarantees the highest stability and stiffness.

**Committed to Your Safety**

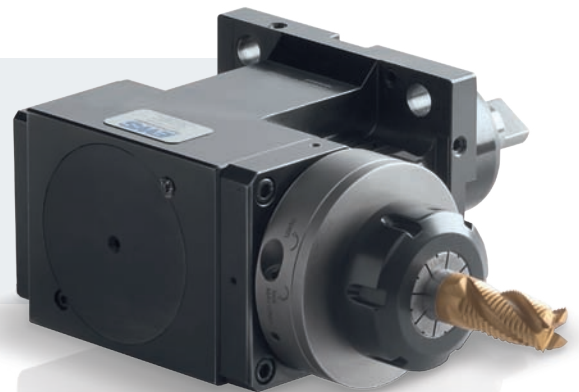
Varia VX can be tightened and loosened via a screw arranged laterally to the operator. This proven one-hand clamping eliminates the risk of injury on the cutting tools in the set-up room. The mechanically superimposed ejector system allows the removal of interchangeable tool heads from the adapter without effort, which further reduces the risk of injury.

Focus on Your Costs and Benefits

The initial purchase of the driven unit with basic holder and tool adapter will result in a slightly higher cost, however this additional expenditure will be amortized in the long run. The extremely short tool change set-up and the resulting reduction of downtime on the machine, will make it a key factor of process-optimized production. In addition, you will benefit from the unlimited flexibility of the cutting tool clamping. In addition to collets, **EWS . Varia VX** also offers Weldon, milling arbors, shrink fit, and hydro-extension adapters. Every clamping system is offered in a variety of diameters and lengths. Custom-made solutions are also available, making the system a valuable trendsetter.

Varia goes VX

Are you using Varia, but would like to upgrade to **EWS . Varia VX**? No problem! The EWS sales team will be glad to offer you customized upgrade packages.

**Welcome to the world of flexible solutions.****Welcome to **EWS . Varia VX**!**



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