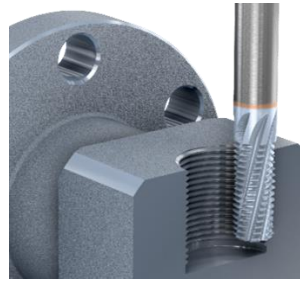


PRESS RELEASE

SEPTEMBER 2019



Introducing the TM Solid MultiFlute – Save Up to 40% in Machining Times
Multiple Flutes for Greater Efficiency

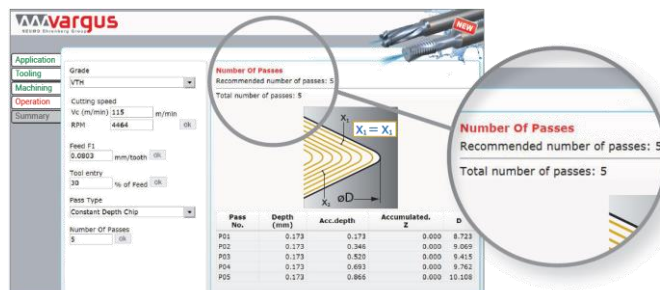
September 2019 – At EMO Hannover 2019 **VARGUS** Ltd. is pleased to introduce the addition of a new Thread Milling solid carbide tool, the **TM Solid Multiflute**, with increased number of flutes for faster machining.

The Multiflute Helicool tools represent the newest addition to the extensive **VarDEX** line of high-quality solid carbide thread milling tools. Multiflute tools are designed with up to seven flutes, thus enabling to work in faster cutting conditions. For better chip evacuation, machining with radial multiple passes is required.

Multiflute tools are offered in full profile threading standards - ISO Metric and American UN - with coolant thru and are suitable for a wide range of materials including steel, stainless steel, cast iron, non-ferrous metals, and more.

Tool Features

- Thread Lengths
2xDo and 3xDo (Thread Diameter)
- Thread Standards
ISO Metric (mm shank): From M3x0.5 up to M16x2.0
American UN (inch shank): From No.10-32 up to 1x8"
- Grade
VTH grade specifically designed for heavy-duty thread milling. TiCN for high resistance to wear



The screenshot shows the VARGUS GENIUS software interface. On the left, there are input fields for Application (Grade), Machining (VTH), Cutting speed (Vc), RPM, Feed F1, Tool entry, Pass type (Constant Depth Chip), and Number of Passes (5). On the right, a 'Number Of Passes' dialog box is open, showing 'Recommended number of passes: 5' and 'Total number of passes: 5'. Below this, a diagram illustrates the multi-pass thread milling process with labels $X_1 = X_2$ and $X_1 \phi D$. At the bottom right, a table displays the pass data:

Pass No.	Depth (mm)	Acc.depth	Accumulated Z	D
P01	0.173	0.173	0.000	8.723
P02	0.173	0.346	0.000	9.069
P03	0.173	0.520	0.000	9.415
P04	0.173	0.693	0.000	9.762
P05	0.173	0.866	0.000	10.108

VARGUS GENIUS™ Software: Multiple Passes

The **VARGUS GENIUS™** software for tool selection and cutting data fully supports the new **TM Solid Multiflute Tools**, and allows the user to program thread milling applications with multiple passes. The **VARGUS GENIUS™** automatically generates the recommended number of passes required, based on the machining data that is entered.

The GENius software allows the user to change the number of passes manually, as well as to modify the depth of the final pass. This important new patent pending feature is recommended for applications that require multiple passes, such as long threads, difficult to machine applications, and hard materials.

Learn more about the **TM Solid Multiflute Tools**, the **VARGUS GENius™**, and other VARGUS innovations at EMO Hannover 2019, Hall 3, Stand H29.

Issued on behalf of VARGUS Ltd.

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About VARGUS: VARGUS Ltd., established in 1960, is the tooling division of the NEUMO Ehrenberg Group, a multinational organization with over 30 companies worldwide. VARGUS Ltd., serving customers in more than 100 countries around the globe, is a leading manufacturer and supplier of quality tooling for threading, turning, milling and grooving applications, as well as hand deburring tools. A customer-focused organization, VARGUS Ltd. is committed to providing innovative products and solutions of the highest quality and excellent value and is renowned for its technical expertise and uncompromising service.