

Spotlight

vargus
NEUMO Ehrenberg Group

VARDEX
Advanced Threading Solutions

NEW



GROOVEX
Innovative Grooving & Turning Solutions

www.vargus.com

TM Solid TMDR **NEW**

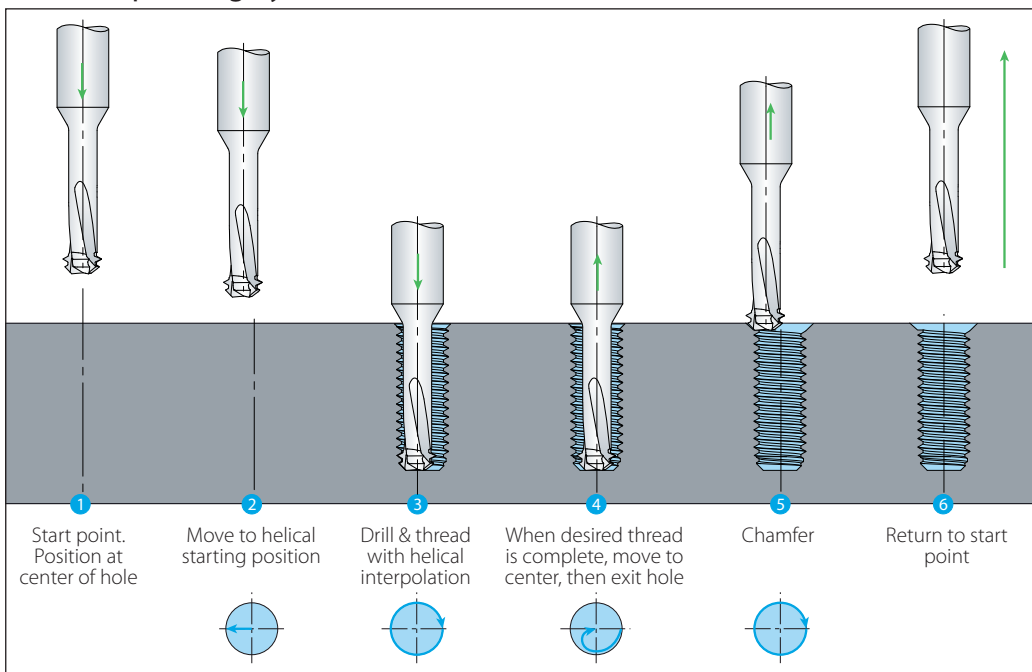
Drilling, Thread Milling & Chamfering

Features and Benefits

- TMDR tools drill, thread and chamfer all in one tooling operation
- Pre-drilled holes are no longer required!
- Tools also work on components with pre-drilled holes, such as, blind holes, through holes, and even semi-finished holes
- For shank diameters 8, 10, and 12mm tools are offered with coolant thru
- Thread Lengths: $2 \times Do$ and $2.5 \times Do$ (Thread Diameter)
- Thread standards:
ISO Metric: From M3x0.5 up to M23x2.0
American UN: From No. 4-40 up to 3/8"x16
- The TMDR is available in VTS grade



TMDR - Operating Cycle



TM Solid HCN **NEW** For Long Threads

Up to $3 \times Do$ (Thread Diameter)

Features and Benefits

- Maximum thread length: $3 \times Do$ (Thread Diameter)
- Relief neck for reduced cutting forces
- Multi-tooth geometry
- Reduced machining times for long threads
- The HCN is available in VTH grade



VARGUS
GENius™

Tool Selector and
CNC Program Generator

A NEW **GENius** on Hand **24/7**

Introducing the **VARGUS GENius™ App**



APP

- ✓ Available for iOS & Android
- ✓ New responsive design!
- ✓ Use on any device!



The most popular and advanced thread turning and thread milling software also available in these three versions:

VARGUS
GENius™
ONLINE

- Revamped **responsive design** now compatible for all devices (computers, tablets & smartphones)
- Online interactive software
- Always on, always updated!

VARGUS
GENius™
DESKTOP

- Stand-alone software application
- MS Windows OS-based program
- Automatic updates

VARGUS
GENius™
SETUP

- Stand-alone software package for USB memory devices
- MS Windows operating system-based program
- Just open ZIP & click VargusGen.application

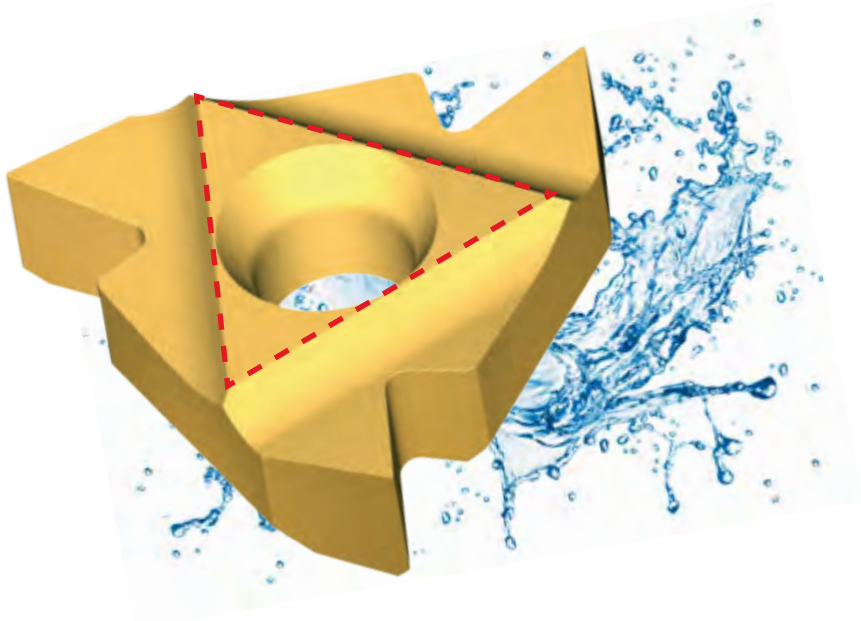
■ VARGUS GENius™ DESKTOP and SETUP versions can be used when internet access is not available.

■ All 4 VARGUS GENius™ versions (APP, ONLINE, DESKTOP & SETUP) are available at www.vargus.com

D-Line

Deep Rake Internal Inserts

NEW



Features and Benefits

- Deep rake design for better chip flow
- Specialized solutions for the fittings industry
- Lower cutting forces for improved tool life
- Recommended for mass production
- Suitable with Standard VARDEX thread turning internal holders
- The D-Line is available in VKX grade

MINIPRO

NEW Mini 5LK & Mini 6.0K

NEW

Upgraded Mini 5L and Mini 6.0 Lines

Features and Benefits

- Improved clamping system
- Standard toolholders with coolant for better chip evacuation
- Left hand tools available as standard
- The Mini 5LK & Mini 6.0K are available in VKX and VTX grade



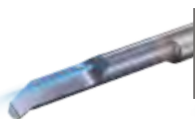
microscope

Micro Tools for Small Bores

Newly Extended Microscope Line

NEW

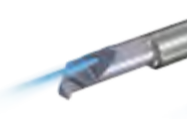
Internal Tools with High Pressure Coolant Thru



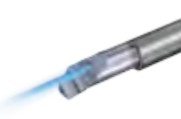
Boring with
Chip Breaker



Boring



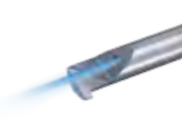
Boring &
Profiling



Boring with
Chip Former



Square
Grooving



Pre-Part Off

Features and Benefits

- High pressure coolant thru tools
- Better chip evacuation for secure machining
- Longer tool life

Extended Line of Miniature Toolholders

NEW



Shrink
Toolholders



Round Tools
without Shoulder



Double Sided Round
Tools without Shoulder

Features and Benefits

- Improved clamping technology
- Newly designed grip for vibration reduction
- Longer tool life
- Economical solution



VG-Cut

Complete Range of
Turning Solutions

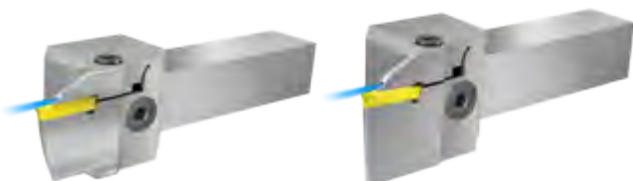
Newly Extended VG-Cut Line

NEW

Blades with High Pressure Coolant Thru



Modular Tools with High Pressure
Coolant Thru



- Parting Off
- Deep Grooving
- Turning
- Face Grooving
- Profiling

Features and Benefits

- High pressure coolant up to 100 bar
- Better chip formation and evacuation
- Longer tool life
- Suitable for all types of workpiece materials

GrooVical

Precise Grooving & Turning
Applications

Newly Extended GrooVical Line

NEW

Close to Shoulder Positive Rake (SP)
Grooving Insert



Features and Benefits

- 30° extra positive rake angle
- Lower cutting forces
- Suitable for low-strength ferrous and non-ferrous metals
- Ideal for small part machining
- Improved chip formation
- Designed to prevent crater wear and chip build-up
- Available in GVN26 and GVN29 geometry

