

# SPOTLIGHT 2018 | INCH



**VARDEX**  
Advanced Threading Solutions



**GROOVEX**  
Innovative Grooving & Turning Solutions

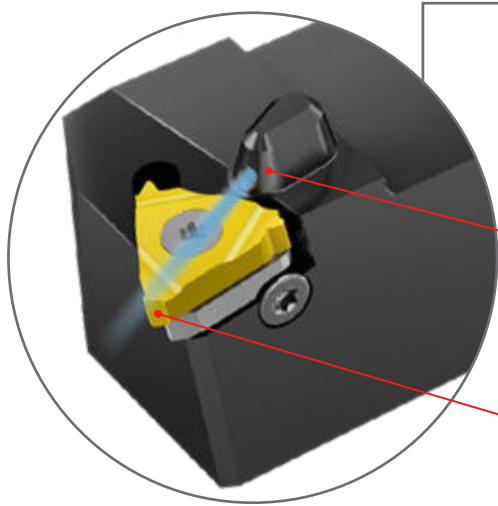
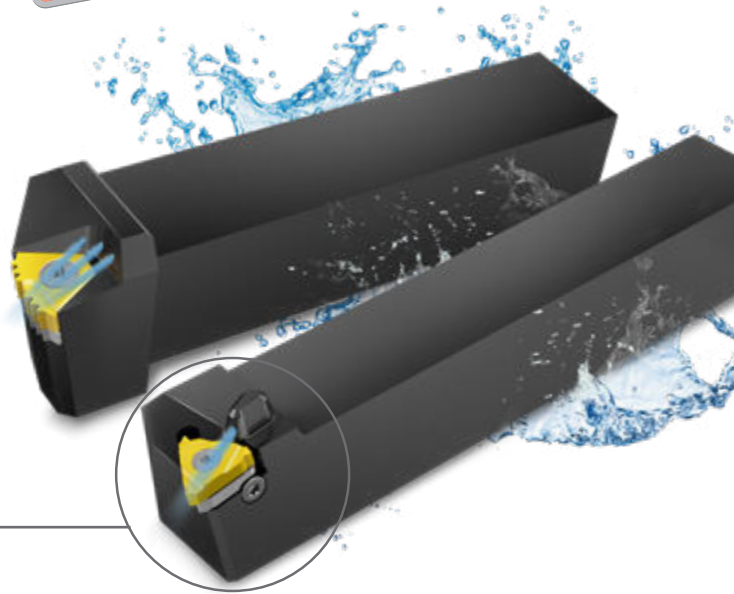
# Thread Turning

External Toolholders with Coolant Thru

**NEW**

## Features and Benefits

- Precise coolant thru, designed to efficiently cool down the cutting edge
- Suitable for high pressure coolant (up to 70 bar)
- Reduced cutting edge temperature for better tool life
- Better chip evacuation and improved chip control and flow
- External holders with coolant are fully supported by **VARGUS GENius™**, the most advanced Tool Selector and CNC Program Generator in the metal cutting tools industry



Suitable for high pressure coolant (up to 70 bar)

Reduced cutting edge temperature

Precise coolant thru

**VARGUS**  
**GENius™**

Tool Selector and CNC  
Program Generator

**A NEW GENius on Hand**

**24/7**

Introducing the  
**VARGUS GENius™ App**



**APP**



The most popular and advanced thread turning and thread milling software on the market today available in 4 versions at [www.vargus.com](http://www.vargus.com)

**VARGUS**  
**GENius™**  
ONLINE

**VARGUS**  
**GENius™**  
DESKTOP

**VARGUS**  
**GENius™**  
SETUP



**APP**

## Oil&Gas

### Professional Threading Solutions

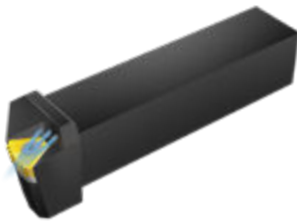
Expanded Line of Thread Turning Solutions  
for the Oil and Gas Industry

### Expanded Range of TNEC and Chaser Inserts



### External Toolholders with Coolant Thru for the Oil & Gas Industry

**NEW**



14D Standard  
with coolant



T+ Style  
with coolant



API  
with coolant



Z+ Style  
with coolant

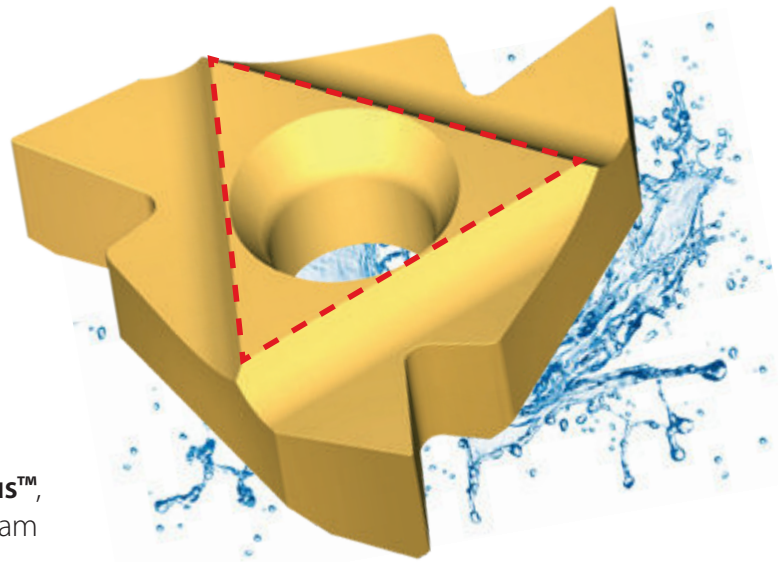
## D-Line

**NEW**

### Deep Rake Internal Inserts

#### 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
- The D-Line is fully supported by **VARGUS GENius™**, the most advanced Tool Selector and CNC Program Generator in the metal cutting tools industry





# TM Solid TMDR **NEW**

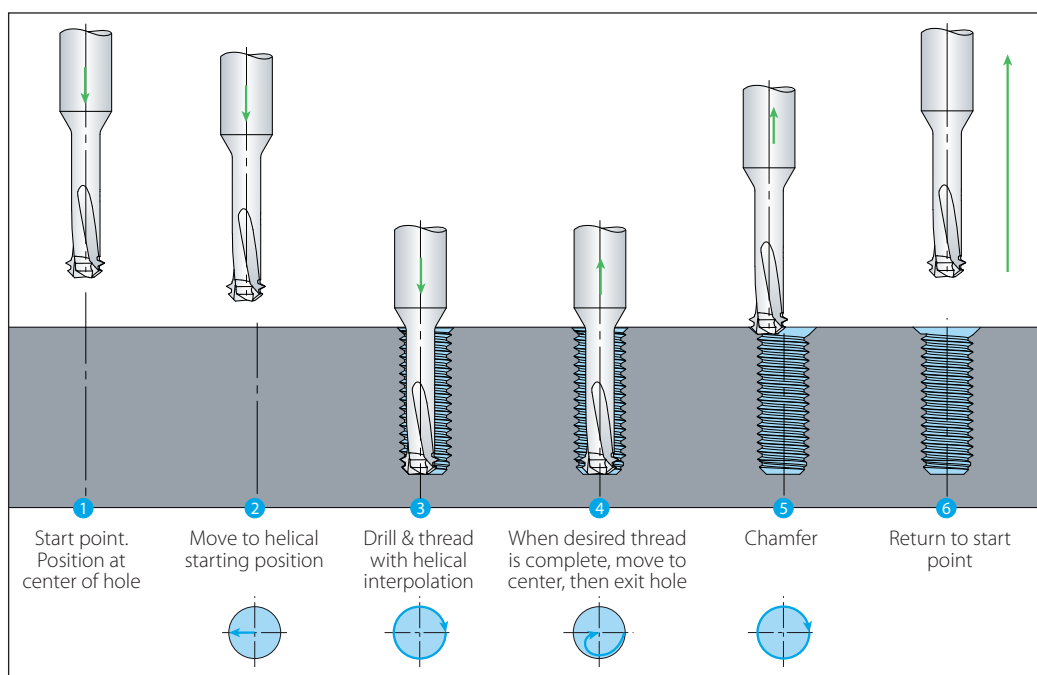
Drilling, Thread Milling & Chamfering

## 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
- Thread Lengths:  $2 \times Do$  and  $2.5 \times Do$  (Thread Diameter)
- Thread standards:  
American UN: From No. 4-40 up to  $3/4" \times 10$   
ISO Metric: From M3x0.5 up to M18x2.5
- 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
- HCN tools are available in American UN
- The HCN is available in VTH grade



# External Machining

Modular V-Cap Bodies with High Pressure Coolant Thru for **VG-Cut** and **GrooVical** Modules

NEW



## Features & Benefits

- Quick change, polygon shaped V-Cap holders with High Pressure Coolant (up to 100 bar)
- Better chip formation and evacuation for longer tool life
- Parallel and 90° holders are available in sizes C4, C5 and C6
- Suitable for all **VG-Cut** radial grooving and face grooving modules for parting off, deep grooving, turning, profiling, face grooving and face turning applications
- Suitable for NEW **GrooVical** GVN26 and GVN29 modules for precise grooving, turning, and parting off applications
- Groovex V-Cap holders are according to ISO 26623

## GROOVEX V-CAP



**VG-Cut**

**GrooVical**



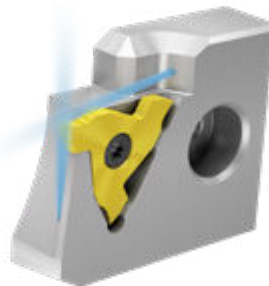
Radial Grooving



Face Grooving



GVN26



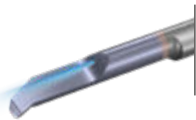
GVN29

# Internal Machining

**microscope** Micro Tools for Small Bores

## Internal Tools with High Pressure Coolant Thru

NEW



Boring with  
Chip Breaker



Boring



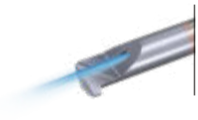
Boring &  
Profiling



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

### Features and Benefits

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



Shrink  
Toolholders



Round Tools  
without Shoulder



Double Sided Round  
Tools without Shoulder

# V-CAP Holders for Internal Machining

NEW

**microscope & Mini-V**

### Features and Benefits

- Quick change, polygon shaped V-Cap holders with High Pressure Coolant
- Improved shrink clamping technology for vibration reduction
- Longer tool life
- **microscope** V-CAP holders are available for all inserts in .157"-.276" (4mm to 7mm) insert shank diameter
- **Mini-V** V-CAP holders are available for all shanks in .236" & .315" (6mm and 8mm) diameter
- Groovex V-Cap holders are according to ISO 26623

