



MUCH MORE THAN THREADING!

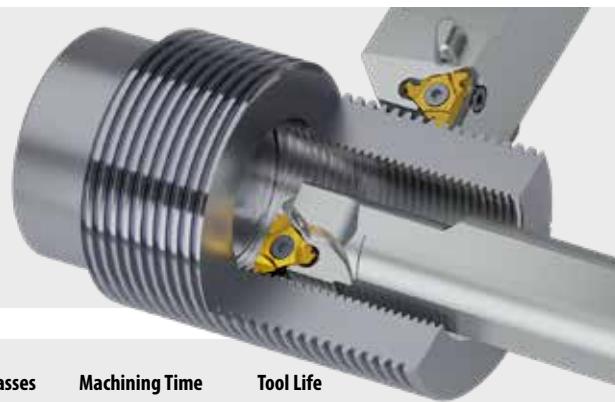


Featuring:



THREAD TURNING

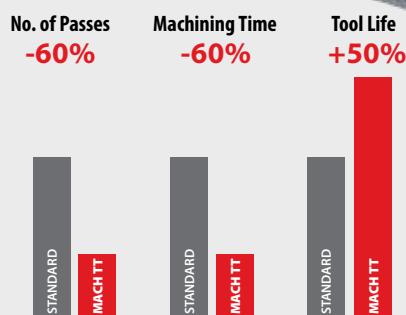
The VARDEX TT tools offer an extensive collection of pitches and standards in different grades, IC ranges and types of insert styles. VARDEX tools are engineered for precision and durability, delivering consistent thread quality across various materials while maximizing productivity through optimized geometries and coating technologies.



**The Revolutionary Threading Solution for
EXTERNAL & INTERNAL Applications**

ADVANTAGES

- ✓ Significantly reduces the number of passes
- ✓ Dramatically decreases machining time
- ✓ Extended tool life
- ✓ Excellent surface finish
- ✓ Eccentric tool overhang design for deeper threads and improved stability (internal)



MORE THAN 2 TIMES FASTER

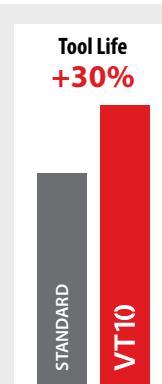
Available in: IC 3/8" (16) - EX & IN | IC 1/2" (22) - EX

NEW: IC 1/2" Internal Inserts for thread standards:
ISO Metric | American UN | NPT | ISO Metric | American UN
| NPT | ISO Metric | American UN | NPT

VT10

Multipurpose grade for a wide range of materials

- High consistency
- Especially effective in unstable cutting conditions
- **Now available** for all standard laydown inserts (EX & IN) in size IC 1/4", 3/8", 1/2", and 5/8"!



V-GAUGE

High-end Thread Gauging System

Available Range:

- ISO Metric: M1x0.25 - M36x4.0
- American UN: No. 0-80 - 1" x 12
- BSP(G): 1/8" x 28 - 1" x 11
- BSPT: 1/8" x 28 - 1" x 11
- NPT: 1/8" x 27 - 1" x 11.5



VARGUS GENius™

Tool Selector and
CNC Program Generator

The most popular and advanced Thread Turning, Thread Milling, Tapping and Whirling software on the market today.

Available in 4 versions at www.vargus.com



COMPLETE RANGE OF THREADING SOLUTIONS

THREAD MILLING

The VARDEX TM line provides a wide range of applications and solutions available in indexable multitooth, single-tooth for deep holes, and solid carbide tools. The TM tools by VARDEX are designed to handle challenging threading applications with superior surface finish and dimensional accuracy, offering flexibility for both standard and custom thread forms in demanding materials.



ADVANTAGES

- ✓ High feed mm/flute
- ✓ Dramatically decreases machining time
- ✓ Extended tool life
- ✓ Excellent surface finish
- ✓ VH4 Grade: High wear resistance for general purpose applications



feed [mm/flute] **+100%** Machining Time **-60%** Tool Life **+25%**

MORE THAN 2 TIMES FASTER

Bell Shape System

High productivity design for external Thread Milling applications

- Short toolholder movements for dramatically reduced machining time
- Enclosed holder structure for high threading accuracy
- Massive coolant thru with 12 outlets
- Inserts with 2 cutting edges



TMSD Helical Offset

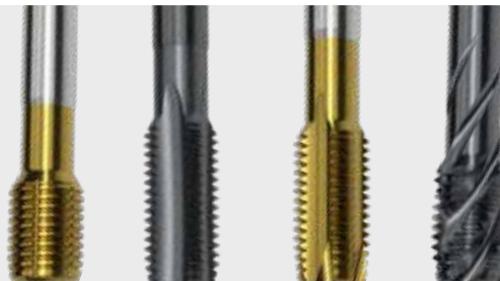
Fast machining for deep holes

NEW

- Two rows of inserts working simultaneously for faster machining
- Helical design – reduces cutting forces
- For long threads up to 2xDo



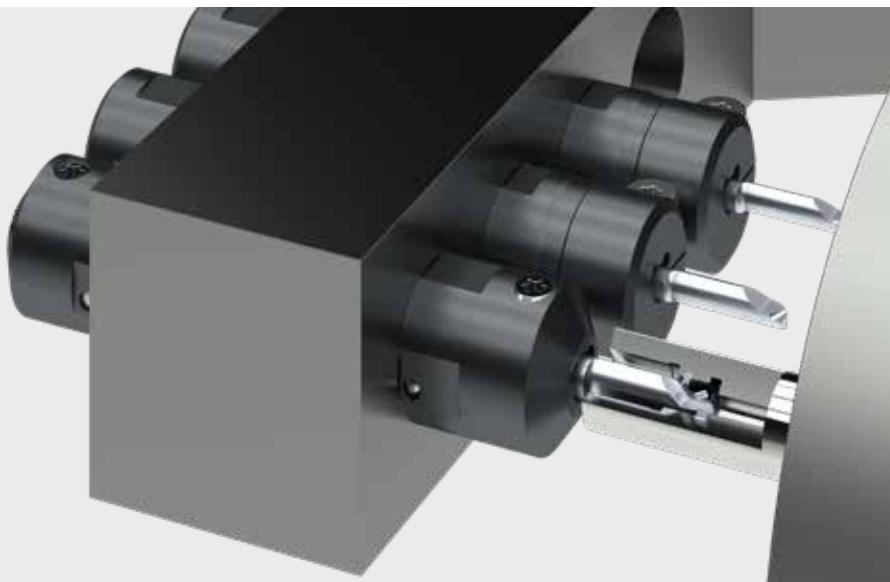
Less load → Fast machining → High productivity



V-TAPS

Advanced tapping solutions for the most popular threading application standards

GROOVEX provides a wide range of internal and external grooving, parting off, boring and turning solutions.



micrOscope

Micromachining solutions for boring, grooving & threading applications in bores as small as 0.5 mm



VG-Cut

Complete range of turning solutions for grooving, parting off, turning, profiling, face grooving and threading



ST-Cut

Precise tools for external machining on Swiss type machines for a broad range of applications



Groovical

Versatile range of indexable inserts offering enhanced solutions for precise grooving and groove-turning applications



Mini-V

All-inclusive range of small parts machining solutions for boring, grooving & threading in bores from 7.8 mm

Introducing V-MILL, the new high performance product line of solid carbide end mills for a wide variety of materials and applications.

**Elevate your machining efficiency
Exceed industry standards
with unparalleled precision!**

- Solid carbide end mills
- Diameter range: 0.1 mm (.0039") to 20 mm (.787")
- Multiple tool geometries available
- Suitable for machining Steel, Stainless Steel, Aluminum, Titanium, hard materials and high temperature materials
- Engineered for superior surface finishing

P **M** **K** **N** **S**



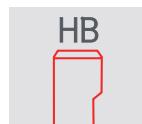
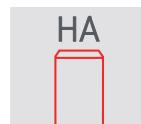
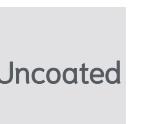
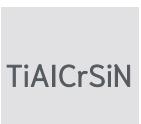
2 Flutes

3 Flutes

4 Flutes

5 Flutes

6 Flutes



AlCrSiN

TiAlCrSiN

AlCrN

Uncoated

Aluminum Chromium Silicon Nitride Coating

Titanium Aluminum Chromium Silicon Nitride Coating

Aluminum Chromium Nitride Coating

Uncoated

HA

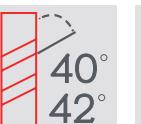
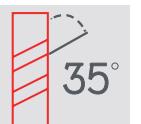
HB

S M L

S M L

Medium Length

Long Length



Helix Angle 28°

Helix Angle 30°

Helix Angle 35°

Helix Angle 35°/38°

Helix Angle 40°/42°

Helix Angle 45°

Helix Angle 45°/46°



Slot Milling

Shoulder Milling

Trochoidal Milling

Helical
Interpolation

Ramping

Profiling

Small Parts

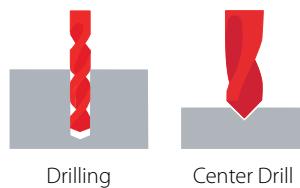
Chamfering



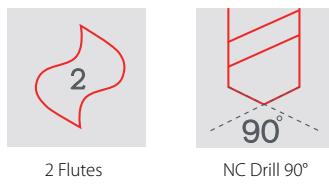
Introducing V-DRILL, the new high performance product line of solid carbide drills engineered for maximum stability and efficiency.



- Diameter range: 1.0 mm (.039") to 20.0 mm (.783")
- 3xD, 5xD: with and without coolant thru
With coolant thru includes dimensions for pre-drilling and pilot holes for standards: M-Coarse | UNF | UNC | NPT | BSP
- 8xD, 12xD: with coolant thru
- All tools are suitable for machining Stainless Steel, Steel and Titanium
- Center (NC) Drills - 90° and 120°
- Improved surface quality at cutting edge and flute channel for stable tool life and excellent chip evacuation



P M K S



P M K S



2 Flutes



NC Drill 90°



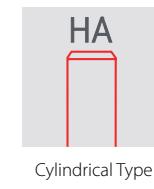
NC Drill 120°



AlTiN nano



AlTiN



HA



Drilling Depth
2xD



Drilling Depth
3xD



Drilling Depth
5xD



Drilling Depth
8xD



Drilling Depth
12xD



Coolant Thru

SHAVIV is the world leader in hand-deburring solutions for a wide range of metal, plastic and wood materials, and now includes the SV-BURR line of premium carbide burrs.



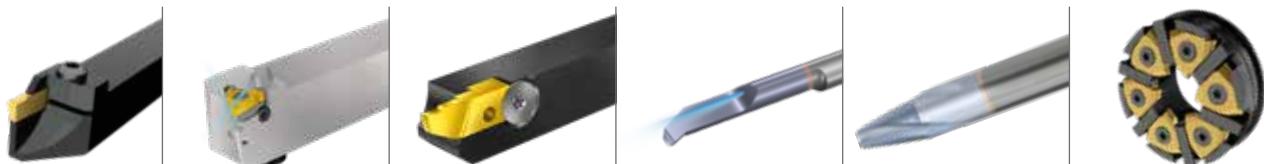
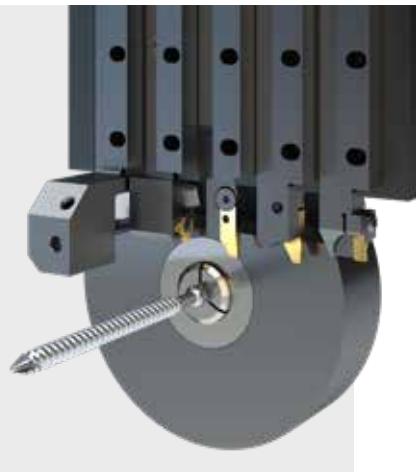
INDUSTRIAL SOLUTIONS

Discover VARGUS precision tools for a wide range of applications used in leading industries.



Medical & Miniature Complete Range of Solutions

Standard and customized tools for common medical applications such as:
Parting Off, Turning, Grooving, Thread Milling,
Thread Turning, Whirling, Boring and Broaching



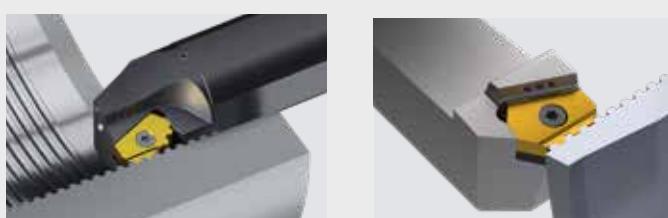
Oil & Gas

VARGUS has designed and developed a unique threading line for the Oil & Gas industry.



ADVANTAGES

- ✓ Extended tool life
- ✓ Excellent surface finish
- ✓ Versatile System - One holder can use either single-sided or double-sided inserts



GEAR MILLING

Revolutionary and cost-effective solutions for Gear, Spline & Rack applications, tailor-made to order or available as standard items



VARGUS is a world leading developer, manufacturer and supplier of high-quality, precision threading, grooving, turning and hand deburring tools and has been at the forefront of the tooling industry now for more than 60 years.



Established in 1960, VARGUS is the cutting tools division of the NEUMO Ehrenberg Group, a multinational organization headquartered in Germany.

The NEUMO Ehrenberg Group is one of Europe's largest privately owned manufacturers and distributors of industrial stainless steel products, stainless steel flow equipment and metal cutting tools.



A customer-focused organization, VARGUS Ltd. is committed to providing products and solutions of the highest quality and excellent value, and is renowned for its technical expertise and uncompromising service.

VARGUS Worldwide

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- 📍 VARGUS SUBSIDIARIES
- VARGUS AUTHORIZED DISTRIBUTORS
- VARGUS REGIONAL SALES OFFICES



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website &
e-catalog



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