

SPOTLIGHT 2020 | METRIC

NEW



TM Solid MultiFlute

NEW

Increased Number of Flutes for Faster Machining



Features and Benefits

- Up to 40% reduced machining time!
- Large number of flutes (max 7)
- Available in 2xDo and 3xDo (thread diameter)
- Thread Standard:
ISO Metric M3x0.5 to M16x2.0
- VTH Grade: General-purpose, TiCN coated



VARGUS
GENius™

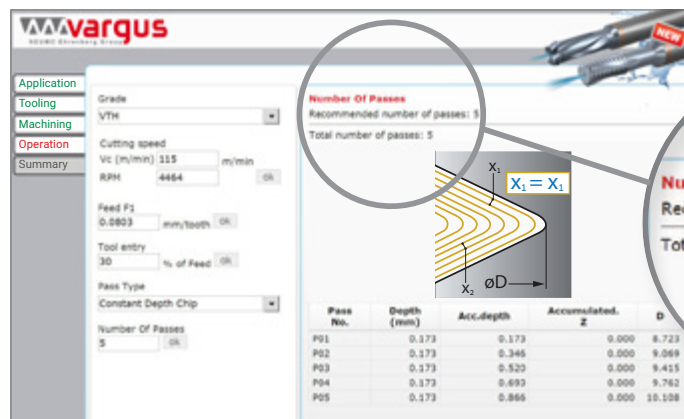
Tool Selector and CNC
Program Generator

NEW

**PATENT
PENDING**

Thread Milling CNC Program Generator with Multiple Passes

The **VARGUS GENius™** automatically generates the recommended number of passes for the application!



Features and Benefits

- The VARGUS GENius™ now offers unlimited multiple radial passes for the thread milling CNC program
- The software automatically generates the recommended number of passes based on the specified machining data
- The new update allows for complete control of the number of passes, as well as depth of the last pass
- Specially designed for TM Solid MultiFlute
- Highly recommended for applications such as long threads, difficult to machine applications, and hard materials

MiTM Offset

NEW

PATENT
PENDING

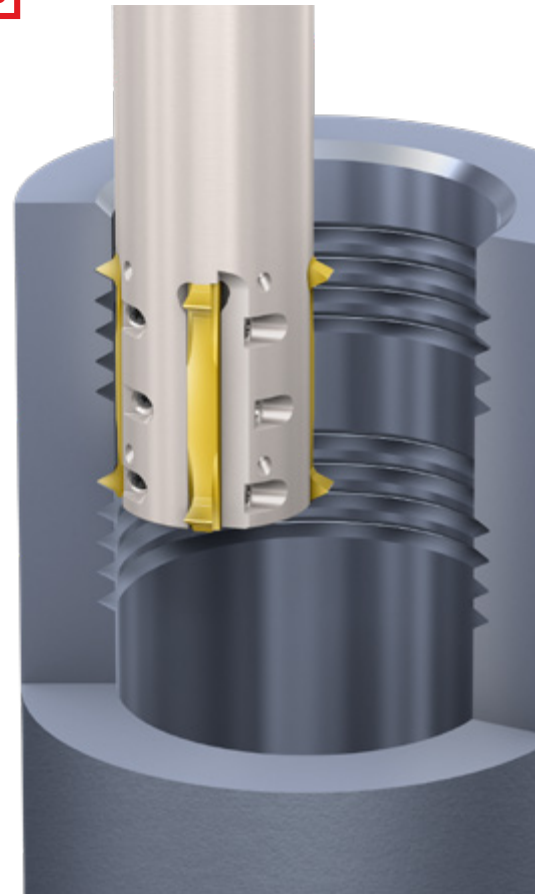
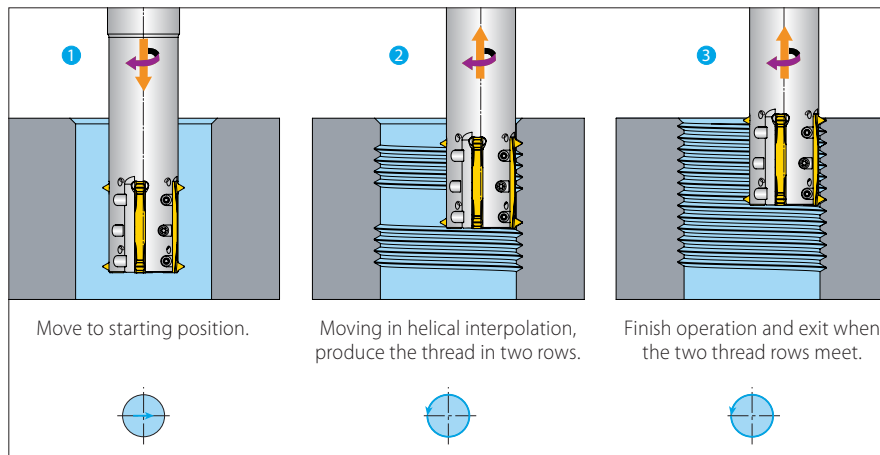
VARDEX

Fast Machining for Large Pitches in Deep Holes

Features and Benefits

- Reduced machining time. Two cutting rows threading simultaneously
- Two types of inserts available:
 - **Single tooth** inserts recommended for 2 to 2.5xDo (thread diameter)
 - **Double tooth** inserts recommended for up to 2xDo (thread diameter)
- Available in thread standards ISO Metric and American UN
- Grades:
 - VTX: TiAlN coated carbide grade. Ideal for stainless steel
 - VBX: TiCN coated carbide grade. Excellent grade for steel and general use
- Nickel-coated cylindrical steel toolholders and shell mill holders available

MiTM Offset - Operating Cycle

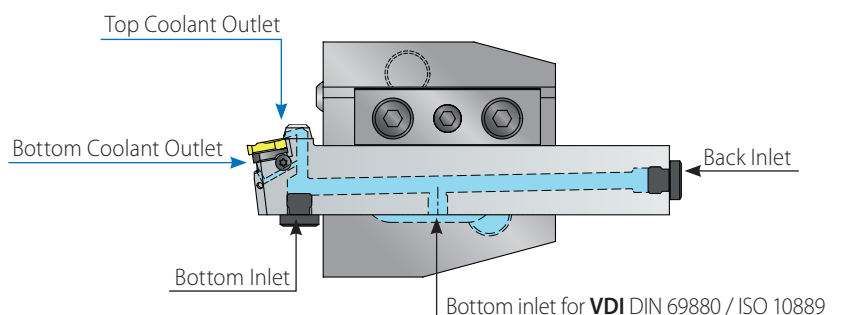


External Thread Turning

Toolholders with Two High Pressure Coolant Outlets

Features and Benefits

- Two precise high pressure coolant outlets, designed to cool the top and bottom of the insert for longer tool life and chip evacuation
- Up to 70 Bar
- Three different coolant inlets available
- Nickel coating for better wear resistance
- Available for (RH & LH) inserts: 3/8", 1/2", 5/8"



NEW & EXPANDED



TM Solid TMDR

Drilling, Thread Milling & Chamfering

EXPANDED LINE

Now Available in Full Profiles BSP (G),
NPT & Additional ISO Metric Standards

Features and Benefits

- TMDR tools drill, thread & chamfer all in one tooling operation
- Pre-drilled holes are no longer required!
- Expansion Includes: BSP (G), NPT, ISO Metric
- VTS Grade: General purpose, TiAlN coated



Helicool-R (HCR)

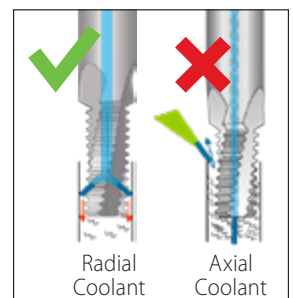
Helical Thread Mill Flutes with Radial Cooling

EXPANDED LINE

ISO Metric, American UN, BSP (G),
NPT, BSPT, UNJ

Features and Benefits

- Effective coolant in thru holes
- Delivering coolant directly to the cutting area
- Metric Shanks:
 - ISO Metric
 - American UN
 - BSP (G)
 - NPT
 - BSPT
 - UNJ



Chip Evacuation in Thru Holes
using Axial & Radial Coolant

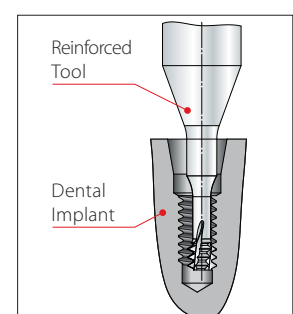
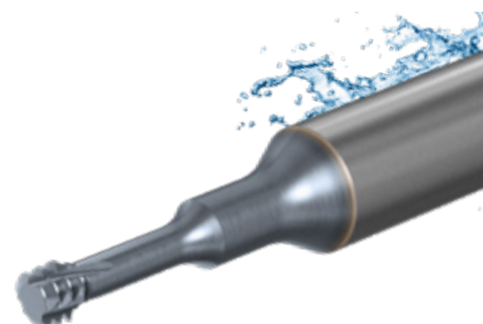
MilliPro Dental

Reinforced Miniature Thread Mills for
Dental Implants

NEW

Features and Benefits

- Reinforced overhang for better stability
- Specifically designed for the dental implant industry
- Available in ISO Metric and American UN
- VTH Grade



Reinforced Overhang

VG-Cut

1.5mm Inserts and Holders for Deep Grooving & Parting Off

NEW

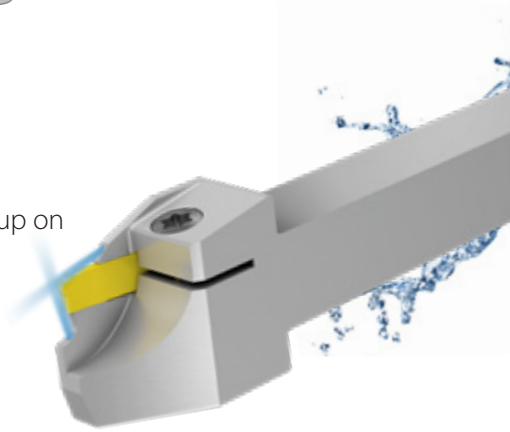
Features and Benefits

Inserts:

- Double-sided inserts for deep grooving and parting off applications
- GM Geometry - Positive sharp cutting edge, which decreases build-up on the edge
- Grades:
 - VMG: Very tough substrate. PVD coated, M35 for low cutting speeds
 - VPG: Excellent anti-fracture resistance. Sub-micron substrate for a wide range of applications. TiAlN PVD coated, P30, K20

Holder:

- Reinforced monoblock holders (PH) are available with and without high pressure coolant
- Two high pressure coolant outlets (up to 100 bar) are designed to directly cool insert rake and flank
- Shanks sizes: 10mm, 12mm, & 16mm
- T max:
 - 10 & 12mm shanks - 6.5 & 10.0mm
 - 16mm shank - 10.0mm



VG-Cut

Monoblock Holders with Two High Pressure Coolant Outlets

NEW

Features and Benefits

- Monoblock Holders with two high pressure coolant outlets, designed to cool down the insert rake and flank
- High pressure coolant up to 100 bar
- Superior chip removal and better tool life
- Pocket width range: 2.0, 3.0, & 4.0mm



VG-Cut

GM2 - Chip Breaker Geometry for Grooving and Parting Off in Low Feeds

NEW

Features and Benefits

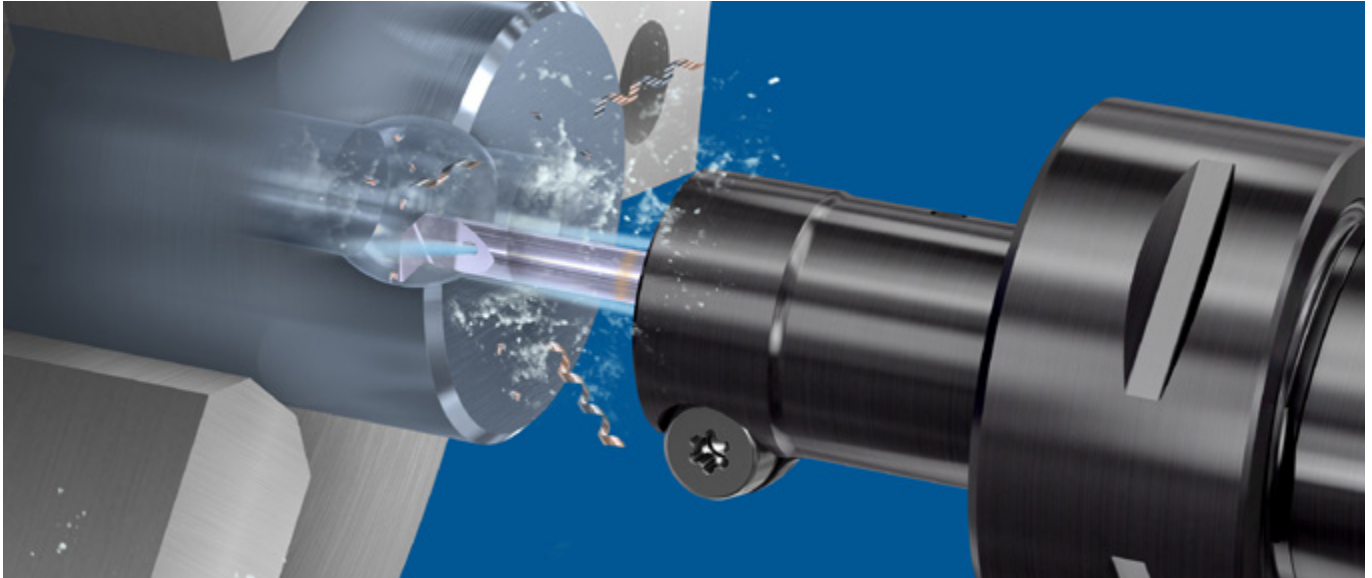
- Unique chip breaker for gummy and hard to break materials
- Specially made for grooving and parting off in very low feeds
- Positive sharp cutting edge
- VMG Grade: Very tough substrate, recommended for parting off



microscope

Boring & Profiling Tools with Chip Breaker
and High Pressure Coolant (CBLF)

NEW



Features and Benefits

- Very positive Chip Breaker Type "F" - Excellent for stainless and alloy steel
- Helical short chips for better chip evacuation
- Prevents tangled chips around the tool and workpiece
- Excellent for blind holes
- High Pressure Coolant (up to 100 Bar) for longer tool life
- VTX Grade: Tough sub-micron substrate, AlTiN PVD coated

microscope

Face Grooving Improved Geometry
Available with High Pressure Coolant

NEW



Features and Benefits

- Reinforced cutting edge for better results in face grooving & face turning
- New positive chip former for greater chip control
- Wide range of grooving widths: 1.00 mm up to 3.18 mm
- New Face Grooving inserts with High Pressure Coolant (up to 100 bar)
- VTX Grade: Tough sub-micron substrate, AlTiN PVD coated