

NPA 27

GROOVEX
Innovative Grooving & Turning Solutions

vargus
NEUMO Ehrenberg Group

AVAILABLE Q1 2021

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ST-Cut

Precise Tools for Small Parts Machining

Vargus is pleased to introduce the New **ST-Cut**, an innovative solution for machining small parts on Swiss type machines.

NEW



MARKETING STRATEGY:

Vargus Ltd. proudly extends its offering for a **complete range of external machining** with the new **ST-Cut** Line, complementary to the internal machining **microscope** and **Mini-V** families.

The **ST-Cut** Line offers an advantage with the unique quick change clamping system on the machine, used in a wide range of industries including medical, dental, electronics, etc.

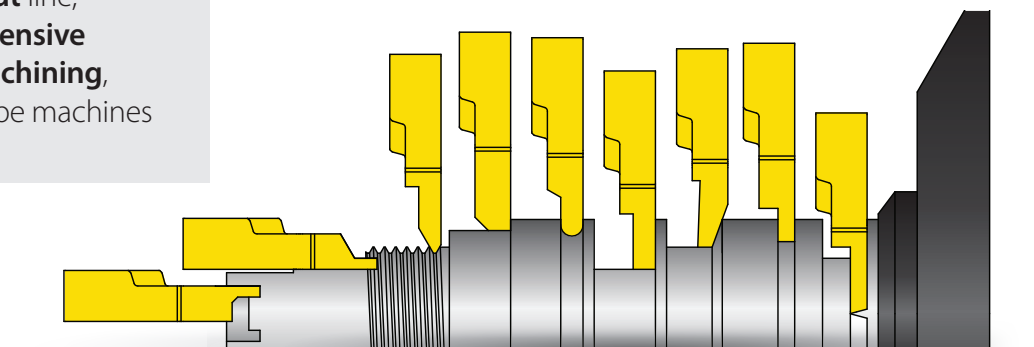
With the addition of the **ST-Cut** line, GROOVEX tools now offer **extensive solutions for small parts machining**, intended primarily for slide type machines (Swiss type machines).

Features and Benefits:

- Unique insert replacement system
- Quick and easy change of insert inside the machine from both sides of the tool
- High repeatability of the cutting edge on all axes
- 17mm (.669") maximum parting off diameter, with up to 3mm (.118") notch width
- Excellent rigidity
- Insert edge treatment for increased tool life

Availability:

- Complete inventory for standard items by March 31st, 2021



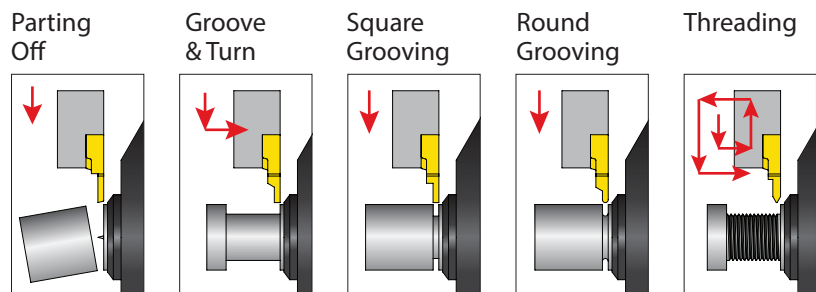
Please be in direct contact with me for any specific questions or requests.
For additional updates and news, visit the new VARGUS website: www.vargus.com


Gideon Boianjiu
GROOVEX Product Manager

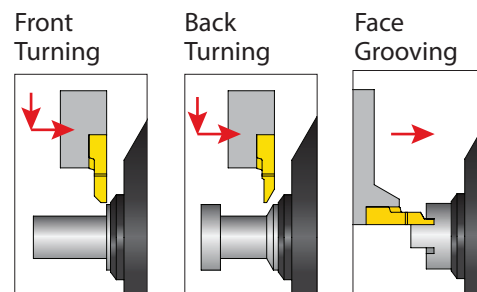
Scroll down for complete details 

ST-Cut Applications

Standard Solutions:



Custom-made according to customer's application:



Grades

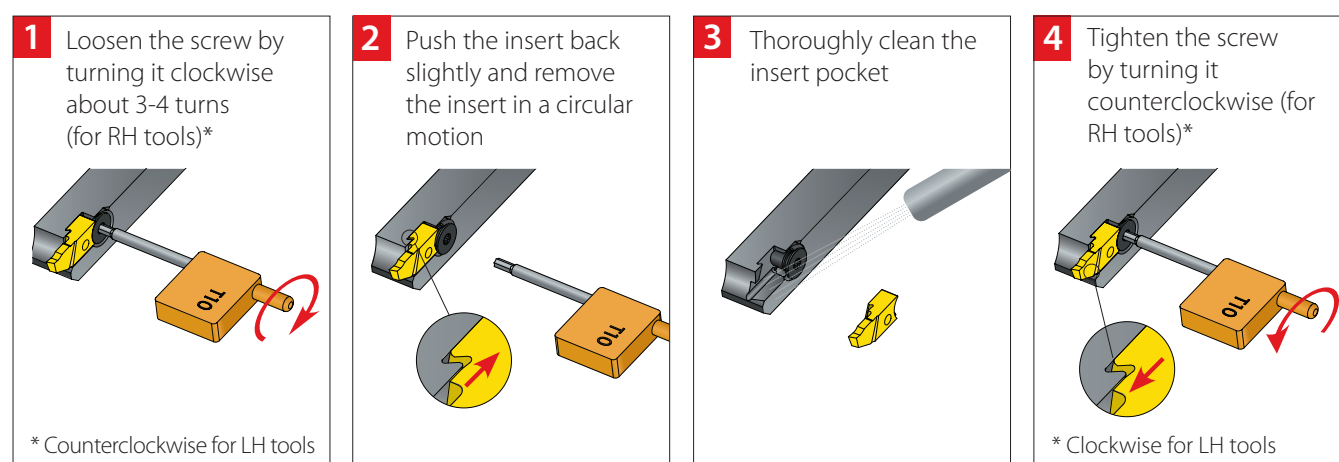
ST-Cut inserts are offered in two different grades: **VPG** and **VS020**.

VPG is PVD coated, for medium and high speeds.

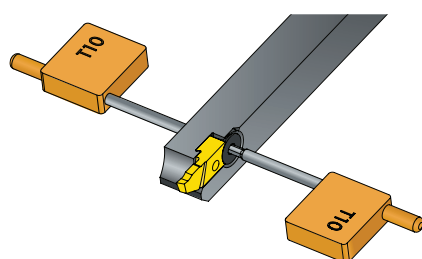
VS020 is **uncoated to ensure a sharper cutting edge**, crucial for very small parts when the cutting speeds are relatively low and light cutting is required.

Grade	Application	Sample
VPG	Sub-micron substrate for a wide range of applications. Excellent anti-fracture resistance. AlTiN PVD coated P20, for medium to high cutting speeds. Excellent for alloy steel, stainless steel, and Titanium.	
VS020	Uncoated Sub-micron substrate for a wide range of applications. Excellent anti-fracture resistance. Recommended for medium to low cutting speeds. Excellent for alloy steel, stainless steel, and Titanium.	

ST-Cut Unique Clamping System



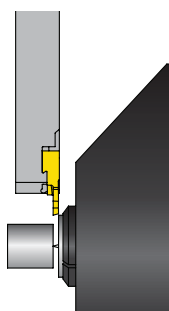
Double-sided screws for maximum accessibility on the machine



Scroll down for complete details

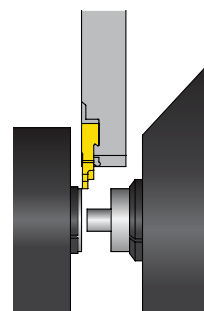
Cutting Recommendations and Tool Types

Parting Off Close to Main Spindle -
STER...-85 RH tool with
RH insert / RH lead angle

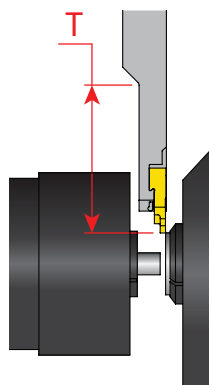


* Right hand shown

Parting Off Close to Sub Spindle -
STEL...-85 LH tool with LH insert



Parting Off Close to Main Spindle -
STESR...-85 RH tool with RH insert
(LH tool also available)



* Right hand shown

Parting Off Close to Sub Spindle -
STESRS...-85 RH tool with LH insert

