VER[©]-S Technology **NSE3 138**

- Zero-point precision Repeatability < 0.005mm (0.0002") - indicate your workholding only once
- Maximum rigidity Patented dual stroke system, for highest pulldown forces
- Zero-maintenance • Completely sealed & stainless steel construction

NSL3 Clamping Stations:

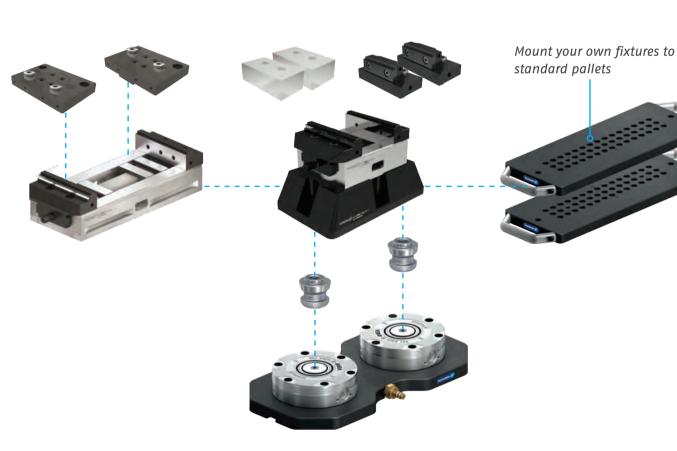
- In-stock Quick-change pallet systems ready to mount to your machine table
- Spring-clamp, air-release • For easy actuation, and hose-free connection
- Standard-pitch pattern Compatible with complete SCHUNK toolbox

Custom-fit Clamping Stations:

- Suitable for turning centers Excellent option for mill-turns & VTLs
- No machine too large • SCHUNK has experience in providing solutions in all sizes & types... 30 meters, no problem!
- **Application engineers** Standing by in North Carolina to help design a customer solution for your machine(s)



Sample package for a 5-axis machine

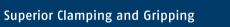






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SCHUNK

VER@-S The modular, quick-change pallet system

VERO-S NSE3 with KONTEO









SCHUNK



Manufacturing engineers and machinists all over the U.S. are achieving faster production and increased flexibility, while putting extra cash on the bottom-line with the VERO-S system.

With a VERO-S starter package, your initial investment can range from \$4k - \$25k which would include the NSL clamping station and additional vises, plates or accessories of your choice – you can have it on your machine, cutting chips immediately.

Some project engineers and shop owners may even invest up to 6–7 figures for a system consisting of clamping stations, custom pallets, engineering support, and installation assistance in order to keep up with the production demands of their own customers. On these large investments, many shop owners report returns in less than one year. Imagine a \$500k investment paying for itself in less than a year every year after that is an additional \$500k on the bottom line.



Superior Clamping and Gripping

Create your own personalized workholding packages with the SCHUNK toolbox...

Select your VERO-S base; suitable for any machine type





VERO-S NSL3, Ideal for 3-axis VMC & 5-axis mills. All vises are directly compatible with standard 200mm pitch



NST3 500-300 NST3 400-250

VERO-S NST3, Specifically designed for horizontal machining centers. These clamping stations are prepared with the turbo function & wide-pitch for maximum rigidity for your 400x400 or 500x500 HMC





NSL3 450-3

NSL3 570-5

VERO-S NSL turn, Specifically designed for turning centers, and 5-axis mills with turning option. Complete with turbo-function for maximum security in the turning environment, and a flexible centering cone for best run-out accuracy.

Build your toolbox – some options to consider...



The ultimate machinist's vise: The **KSG** vise. Easy to use, all operators clamp the same, and it is complete with a flexible jaw program.



Consider multi-part clamping vises such as the **KSM2** rail vise, or the **KSC-D** double acting vise. The more parts you clamp at one time, the longer the doors stay closed and the spindle stays running!



Alternatives to multi-part clamping vises is to invest in **adapting pallets** to allow for multiple centric vises in high density for example.

3-axis Vertical machining centers



Clamping vise tombstones

Standard dual station vise for 2-parts per side, and the convenient 3rd hand clamping function KSM2 rail vises for maximum part density, and also offering flexibility



VERO-S Tombstones

VERO-S for ultimate flexibility of your horizontal machining center. Put any vise/fixture you want on this tombstone

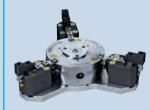
4-axis Horizontal machining centers



KSC, your standard, go-to 5-axis centric milling vise. Complete with standard reversible grip jaws for maximum part security without limiting spindle accessibility



Invest in a pyramid to truly maximize the potential of your 5-axis machine. Why run 1 part when you could be running 3?



ROTA-S flex, the perfect 3-jaw clamping chuck for your mill-turn. With option for VERO-S interface underneath, The ROTA-S flex is lightweight, and setting the standard for round part clamping on 5-axis mill-turns.

5-axis Machining centers & mill-turns

Choose your accessories



Pallets & risers

Pallets come in a variety of sizes as blanks, or pre-machined. They can allow you to easily adapt your own workholding, or gain more control over placement and quantity of workholding in the SCHUNK toolbox. For 5-axis machines, a riser will allow for more spindle clearance if needed.



Contact a SCHUNK Engineer

SCHUNK engineers are standing by in Morrisville, NC to support you in selecting and building your personalized workholding package. Call our Morrisville headquarters, and ask for Stationary WH

Jaws, jaw inserts, part stops, etc.

The modular product-line does not stop at the clamping device. Check out our large selection of jaws and jaw inserts, such as aggressive grip jaws in a variety of clamping depths, soft jaw blanks, pendulum jaws, etc.



Clamping pins, hardware, etc.

Finalize the package with miscellaneous mounting hardware and accessories. Clamping pins can also be incorporated into your existing workholding to support a seamless integration.



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