



V@dison:
DIGITAL SOLUTIONS – PRECISION IN TRANSFORMATION
Do you want to optimise your processes with smart technologies, avoid mistakes and reduce downtimes?
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VGrind argon LINEAR – THE MAIN ADVANTAGES AT A GLANCE:

/// INCREASED PRECISION
Innovative kinematics with multi-layer machining and linear induction motors on the X, Y and Z axes for maximum quality of results. Benefit from uncompromising precision.

/// INCREASED EFFICIENCY
The ideal entry point into the world of high-quality grinding. Give your tools the VOLLMER edge – all with a low level of investment.

/// INCREASED FLEXIBILITY
Efficient machining of tools with varying diameters and cutting materials. For precision in every format you require.



VGrind argon LINEAR

Grinding machine for the cost-effective machining of precision tools.



VGRIND

ARGON

LINEAR

THE ONE FOR YOU

HIGHEST PRECISION.
MAXIMUM EFFICIENCY.
CUSTOM-TAILORED FLEXIBILITY.

The *VGrind* argon LINEAR – precision tailored to your needs. Based on the proven machine concept of the *VGrind* series, it is specifically designed for cost-efficiency and performance. As a preconfigured high-end grinding machine, it combines outstanding precision and process reliability with an attractive investment level. No unnecessary options, no compromises – just the exact configuration you need for your specific requirements. For maximum accuracy, efficient processes, and smooth, unmanned operation. Focused performance – right on point.

VGrind argon LINEAR

ONE MACHINE. ONE GOAL. YOUR SUCCESS.

The VGrind argon LINEAR

EVERYTHING THAT MATTERS.

Secure your entry into the top tier of tool grinding at exceptionally economical conditions. Benefit from the proven advantages of the VGrind series – from the unique multi-level machining at the pivot point of the C-axis, through the wear-free linear motors on the X, Y, and Z axes, to the intelligent cooling concept. Ready to operate, predictable, and efficient – an investment that pays off immediately.

/// STABLE WALL CONCEPT

Very rigid, compact design with optimal accessibility and visibility for the operator.

/// MULTI-LEVEL MACHINING

Two vertically arranged grinding spindles with the grinding wheel at the pivot point of the C-axis. Reduced main times due to shorter travel distances of the linear axes.

/// COOLING CONCEPT

The plate heat exchanger guarantees effective and sustainable cooling of the torque motors and the grinding spindles. And the best part? No additional chiller unit is required.

/// LINEAR DRIVES

Linear drives on the X, Y, and Z axes for highest precision and dynamics without wear.

/// INTUITIVE NUMROTO CONTROL SYSTEM

The tried-and-tested software provides a complete 3D tool and machine simulation, combined with unsurpassed collision monitoring for complete process control.

/// INCLUDING IOT GATEWAY

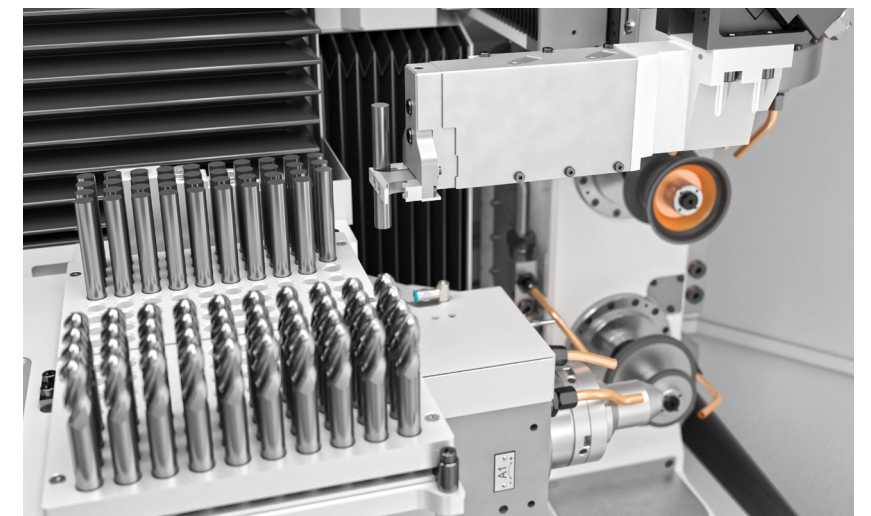
The keyword is Industry 4.0: Our machines are enabled with an IoT gateway that is fitted as standard. This opens the door to the digital world for your business.



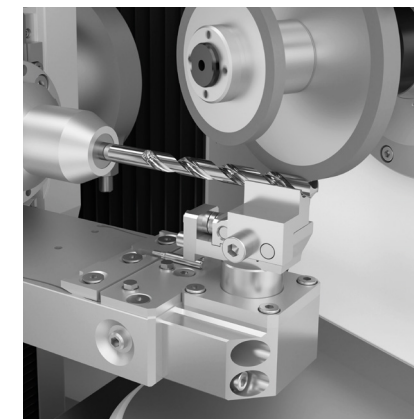
PERFECTLY EQUIPPED

FOR YOUR REQUIREMENTS.

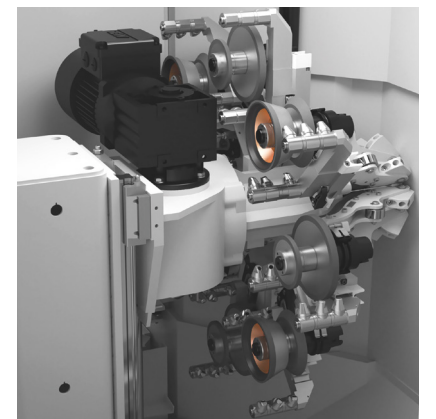
The VGrind argon offers everything that defines modern tool manufacturing: the integrated pallet loader and grinding wheel changer work together to ensure maximum autonomy, versatility, and reliable unmanned operation – ideal for long runtimes and highest process reliability. Even with long and delicate tools, one thing is guaranteed: precision. This is ensured by the intelligent steady rest system that optimally stabilizes your tools. Equipment that doesn't promise more – but delivers more.



////// INTERNAL PALLET LOADER
with space for up to 300 shank tools



////// STEADY REST
WITH AUTOMATIC STROKE
ensures optimal grinding results for
longer tools



////// 8-STATION GRINDING WHEEL
CHANGER
for efficient grinding wheel changes
and reduced non-productive time

GREATEST VARIETY.

From small tools starting at 0.8 mm to tool diameters up to 200 mm – the *VGrind* argon masters every dimension with unparalleled precision. Even with tool lengths from 30 mm to 360 mm, it unfolds its full potential. For uncompromising quality in every size.

