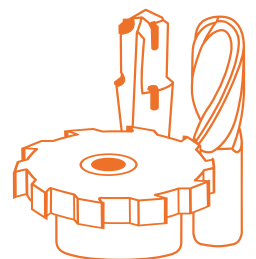
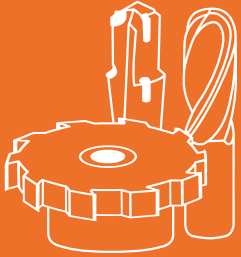


VGrind neon & VGrind argon

////// ROTARY TOOLS //

Two special edition machines
with the perfect VOLLMER touch





///// Rotary tools

IT IS THE PERFECT TIME
FOR A VOLLMER.
BUT WE ARE
OFFERING YOU TWO.

For everybody that has been waiting, the time has finally come. You can now get your hands on a real VOLLMER, and the best part: We are not just introducing one special edition but two.

The *VGrind* neon and the *VGrind* argon both have everything that makes a grinding machine a VOLLMER: The tried-and-tested multi-level machining with the double spindle, temperature-stable polymer concrete, torque motors on the rotational axes and the intuitive NUMROTO control system on a modern, ergonomic control panel. Simple, reliable, precise.

We have developed these two models especially for tool grinders that want to act and react quickly when customer enquiries and orders are received. If you have always wanted to own a VOLLMER, the opportunity to do so has never been better. Precise, productive and affordable.

VGrind neon & *VGrind* argon –

GIVE YOUR ROTARY TOOLS

THE VOLLMER TOUCH.

PERFECT. PRECISE. POWERFUL.

THE *VGrind* neon &

VGrind argon

The *VGrind* neon

PERFECTLY EQUIPPED FOR
YOUR REQUIREMENTS.

With a wheel measurement probe, glass scales and an intelligent cooling concept with a plate heat exchanger – the *VGrind* neon makes precision easy. Whether you producing a tool or carrying out resharpening service whenever it is required. The *VGrind* neon ensures you hit the ground running with productive, precision, high-quality results.

/// STABLE WALL CONCEPT

The extremely rigid and compact construction is the result of temperature-stable polymer concrete foundation. This offers the operator optimal accessibility and work area visibility with unparalleled process stability.

/// MULTI-LEVEL MACHINING

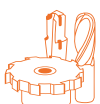
With the ground-breaking double vertical grinding spindles where the grinding wheels are located at the C axis pivot point, the kinematics of the *VGrind* neon reduce machining times with shorter linear-axis travel distances.

/// MODERN OPERATING CONCEPT

The height-adjustable control panel with a 19" touch-screen facility is ergonomically positioned to provide the optimum viewing position of the machining area.

/// 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.



///// ROTARY TOOLS // MACHINE CONCEPT



/// 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.

/// WHEEL MEASUREMENT PROBE

Grinding wheel alignment and machine is now fully controlled with the wheel measurement probe.

/// OPTIONAL STEADY REST

For optimal grinding results, especially with longer tools – the steady rest provides stability and enhanced results with a flexibly adjustable automatic stroke.

/// 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.

The VGrind argon

WITH ENHANCED COMFORT.

Same enclosure and same equipment – not quite! Everything the VGrind neon can do, the VGrind argon can do too – and a bit more. With a four-station grinding-wheel changer and an internal pallet loader, the VGrind argon offers increased comfort and flexibility for different batch sizes. With your VGrind argon, you will automatically experience greater enjoyment. And greater flexibility, ease of use and greater output.

/// FOUR-STATION GRINDING-WHEEL CHANGER

With four grinding wheel packages in the automatic wheel changer, the VGrind argon delivers even greater flexibility for your grinding processes.

/// INTERNAL TOOL AUTOMATION

With an integrated pallet loader, the VGrind argon increases capacity, flexibility and automation – all in a compact floor area.



///// STEADY REST WITH AUTOMATIC STROKE
Ensures an optimal grinding result for longer tools



///// WHEEL MEASUREMENT PROBE
Grinding wheel measurement and wear control



///// INTEGRATED PALLET LOADER
With a capacity for up to 300 blanks or tools



///// FOUR-STATION GRINDING-WHEEL CHANGER
For efficient grinding wheel changes and the reduction of non-productive cycles

// SPECIFICATIONS

TOOL

Outside diameter of up to 200 mm*
Tool length of up to 360 mm**

GRINDING WHEEL

Max. diameter of 150 mm***

GRINDING SPINDLES

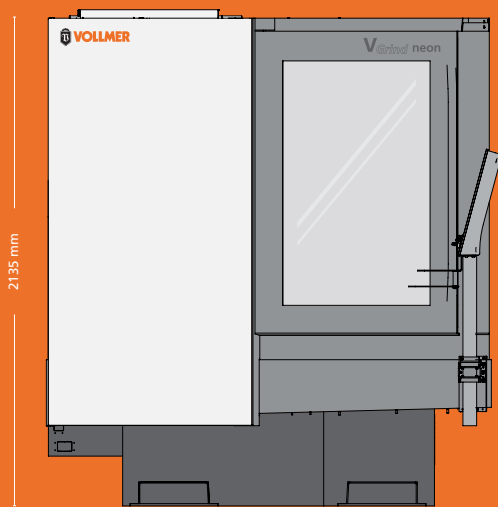
	Belt spindle	Belt spindle
Speed	10,500 rpm	6500 rpm
Drive output 100% duty cycle	11 kW	5 kW
Maximum output	23 kW	9 kW
Torque	14 Nm	7 Nm
Grinding spindle interface	HSK50 ***	HSK50 ***

TRAVERSE RANGES

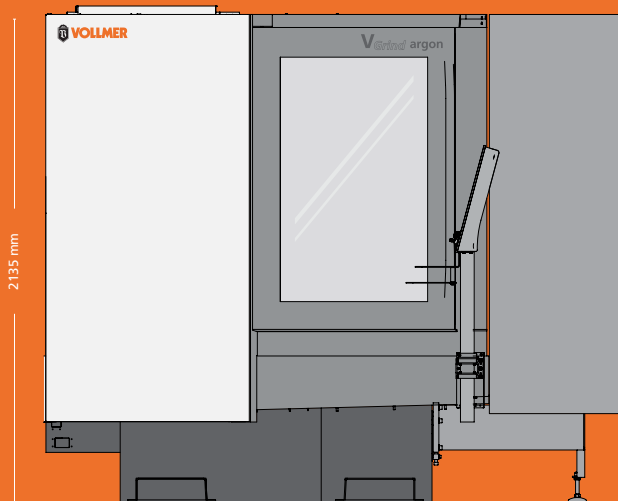
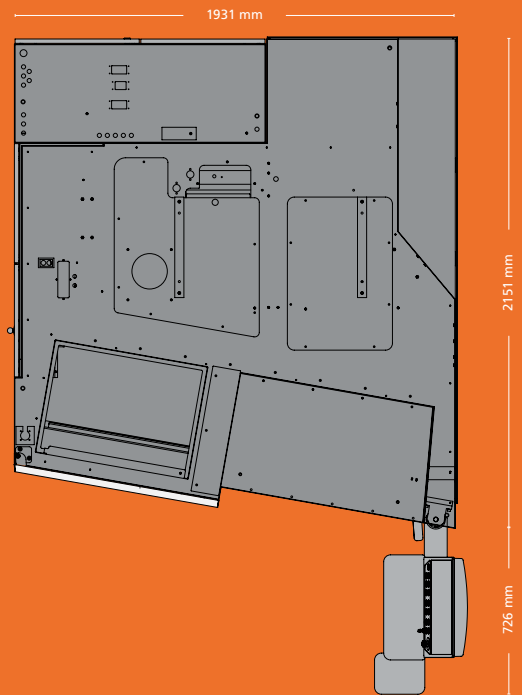
X1 axis	425 mm
Y1 axis	490 mm
Z1 axis	500 mm
A1 axis	360°, 450 rpm Optionally 1000 rpm
C1 axis	+15° to -200°

CONNECTED LOAD Approx. 18 kVA

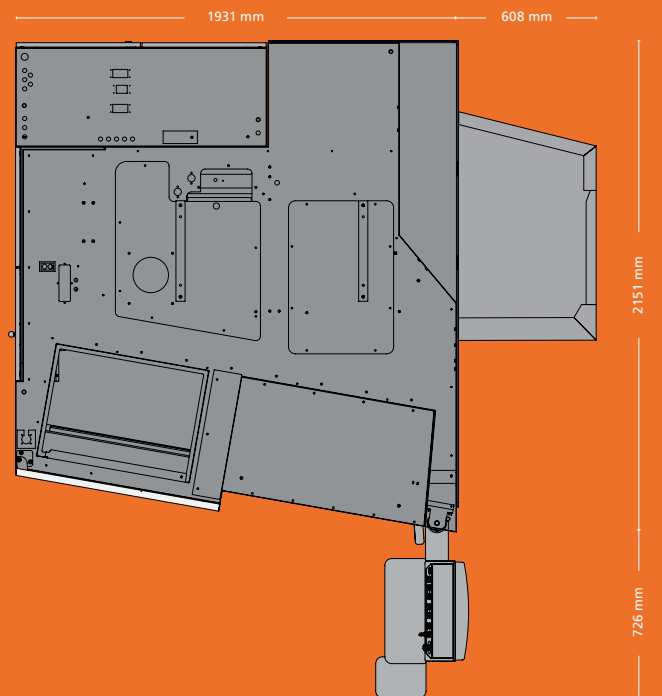
WEIGHT Approx. 4900 kg net



////// MACHINE DIMENSIONS
VGrind neon



////// MACHINE DIMENSIONS
VGrind argon with four-station grinding-wheel changer



We reserve the right to make design changes in the interest of technical progress. Patents pending.

*Depending on the equipping, the machine kinematics also allow for larger diameters.
**From the front edge of the workpiece carrier without measuring the cooling channel.
***Max. 125 mm with supporting device.
****Up to three grinding wheels per spindle end.



V@dison:

DIGITAL SOLUTIONS – PRECISION IN TRANSFORMATION

Do you want to optimise your processes with smart technologies, avoid mistakes and reduce downtimes? We offer you grinding and sharpening machines that are equipped with an IoT gateway as standard. Contact your VOLLMER representative or find out more now at: www.vollmer-group.com/en/products/digitalisation

VGrind argon & VGrind neon
– THE MAIN ADVANTAGES
AT A GLANCE:

/// MULTI-LEVEL

Multi-level configuration for machining with double spindle for outstanding quality of results. Benefit from the reliable, stable and precise kinematic structure.

/// INCREASED SHARPNESS

Two powerful special edition machines for the world of high-quality grinding. Give your tools the VOLLMER touch.

/// INCREASED USER CONVENIENCE

Excellent accessibility with an ergonomic control desk and tried-and-tested software platform. Make your work easier.

/// INCREASED FLEXIBILITY

Precision in any format – you can achieve efficient machining of tools with different diameters.

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