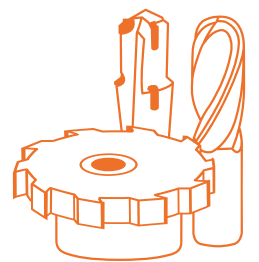
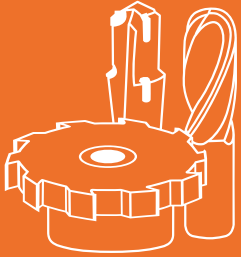


## ***VGrind neon & VGrind argon***

////// ROTARY TOOLS //

The two special editions for that perfect  
VOLLMER touch





///// Rotary tools

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

For everybody who has been waiting a long time, the time has finally come – your chance to get your hands on a real VOLLMER. And the best part: We are not just offering you 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 an intuitive NUMROTO control system on a modern, ergonomic control desk. Simple, reliable, precise.

We have developed these two models especially for tool grinders who 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. In terms of price too.

*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.

Wheel measurement probe, glass scales and an intelligent cooling concept with plate heat exchanger – the *VGrind* neon makes it easy for you to be precise. Whether when grinding your rotary tooling. Or carrying out maintenance whenever it is required. Get going. And hit the ground running. With your *VGrind* neon.

**/// STABLE WALL CONCEPT**

Very rigid, compact construction with temperature-stable polymer concrete, which offers the operator optimal accessibility and oversight.

**/// MULTI-LEVEL MACHINING**

Two vertical grinding spindles with the grinding wheel at the C axis pivot point. Reduced machining times thanks to shorter linear-axis travel distances.

**/// MODERN OPERATING CONCEPT**

Height-adjustable, with touchscreen, 19" diagonal screen size and optimum view into the machining chambers.

**/// INTUITIVE NUMROTO CONTROL SYSTEM**

Tried-and-tested software with 3D tool and machine simulation, combined with collision monitoring.



**/// INCLUDING IOT GATEWAY**

The keyword is Industry 4.0: Our machines are communication-enabled. An IoT gateway is fitted as standard and this opens the door to the digital world for you.

**/// WHEEL MEASUREMENT PROBE**

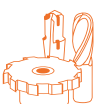
Grinding wheel alignment and wear control within the machine.

**/// OPTIONAL STEADY REST**

Stable, flexibly adjustable, with automatic stroke for optimal grinding results.

**/// COOLING CONCEPT**

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



# The VGrind argon

## WITH ENHANCED COMFORT.

Same enclosure and same equipment. Not quite: Everything that the VGrind neon can do, the VGrind argon can do too – and even a bit more. With a four-tool grinding-wheel changer and an internal pallet loader, it offers increased comfort and flexibility for different batch sizes. With your VGrind argon, you will automatically experience greater enjoyment. And greater throughput.

### /// FOUR-TOOL GRINDING-WHEEL CHANGER

Even greater flexibility for your production processes – with four grinding wheel packages in the changer.

### /// INTERNAL TOOL AUTOMATION

With internal pallet loader for increased capacity and greater flexibility.



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



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



///// INTERNAL PALLET LOADER  
With space for up to 300 blanks and/or tools



///// FOUR-TOOL GRINDING-WHEEL CHANGER  
For efficient grinding wheel replacement and reduced non-productive time

## // SPECIFICATIONS

### TOOL

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

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### GRINDING WHEEL

Max. diameter of 150 mm\*\*\*

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### 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
Spindle adaption	HSK50 ***	HSK50 ***

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### 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°

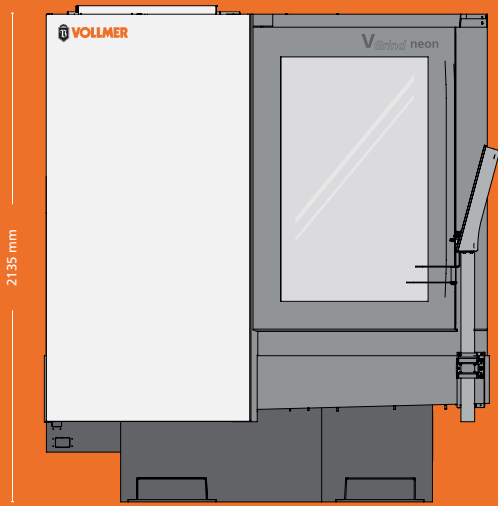
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**CONNECTED LOAD** Approx. 18 kVA

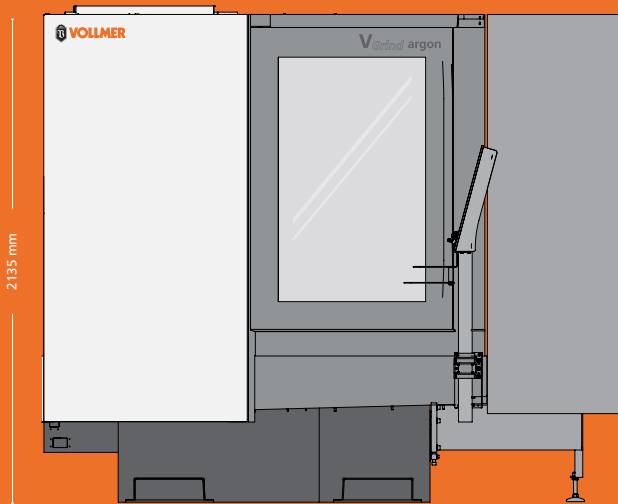
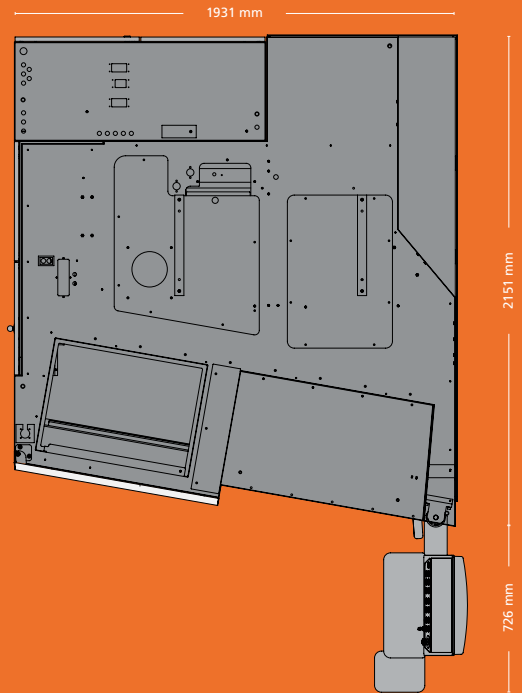
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**WEIGHT** Approx. 4900 kg net

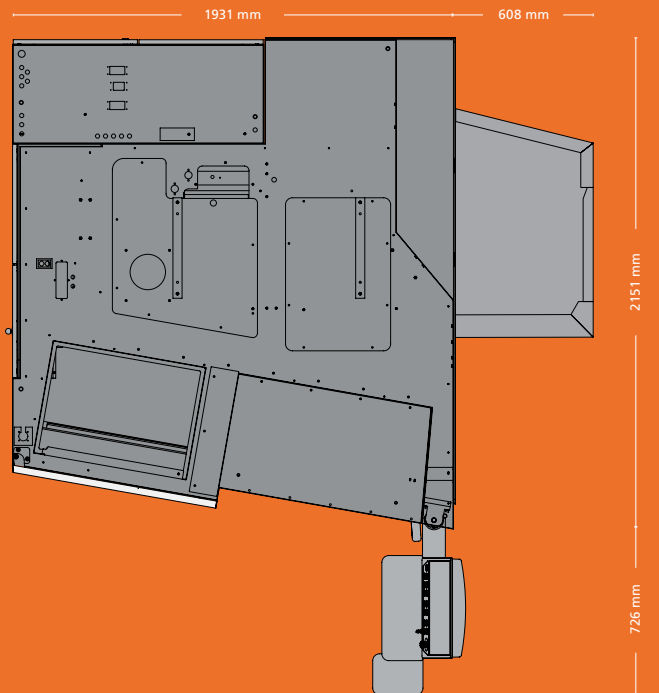
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////// MACHINE DIMENSIONS  
VGrind neon



////// MACHINE DIMENSIONS  
VGrind argon with four-tool 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 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](http://www.vollmer-group.com/en/products/digitalisation)

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

/// MULTI-LEVEL

Multi-level machining with double spindle for outstanding quality of results. Benefit from reliable precision.

/// INCREASED SHARPNESS

Two powerful special editions to the world of high-quality grinding. Give your tools the VOLLMER touch.

/// INCREASED USER CONVENIENCE

Excellent accessibility, ergonomic control desk and tried-and-tested software. Make your work easier.

/// INCREASED FLEXIBILITY

Efficient machining of tools with different diameters. For precision in any format.

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