

# DOUBLE COLUMN VERTICAL GRINDING SOLUTION

## DVG



### DESCRIPTION

- Made in cast iron with active closed-loop cooling system.
- Multipurpose.
- Maximised output for large parts.
- Y axes.
- Optional ATC.
- Highly configurable.

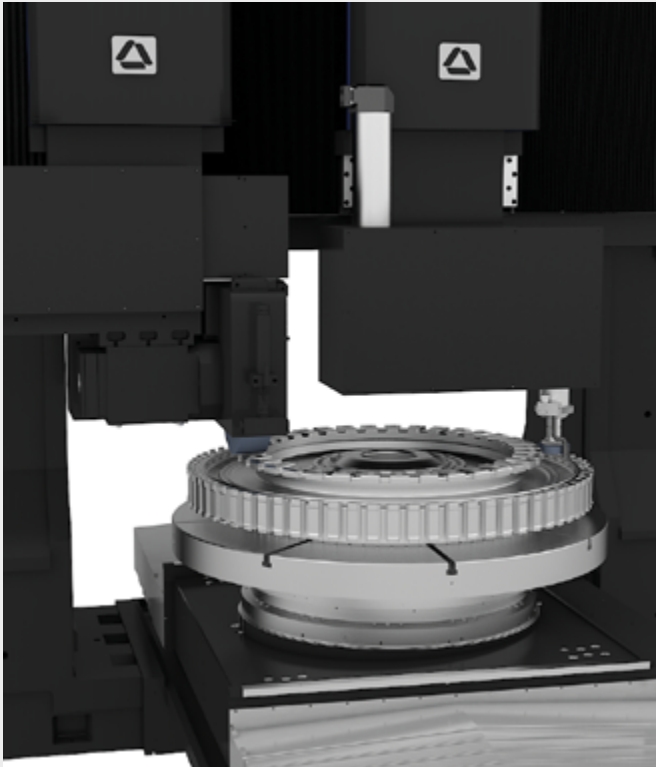
## DVG. DOUBLE COLUMN VERTICAL GRINDING SOLUTION

### DVG RANGE

	DVG-2500	DVG-3500	DVG-4500
Grinding diameter	2500 mm	3500 mm	4500 mm
Grinding depth	500 mm	700 mm	700 mm
Table load	4000 kg	5000 kg	6000 kg
Tools	2/1*	2/1*	2/1*

\* Tangential spindle

### CORE TECHNOLOGY



#### Machine structure

- Made of stress-relieved pearlitic cast iron optimised with finite element calculation.

#### Swivelling B-axis with Hirth locking system

- Maximum rigidity, highest locking torque.
- Excellent surface finish on hard turning operations.
- Optional pneumatic locking system, positioning at any angle.

#### Spindles

- Universal, internal and tangential precision spindles.
- Built-in motor and bearing cooling system.
- Wide range of cutting speeds, controlled automatically.

#### Rotary C-axis table

- High-precision or hydrostatic bearing for smooth motion and optimum surface finish.
- Stiffness, positioning accuracy, consistency and process flexibility.
- Direct torque motor drive, backlash free.

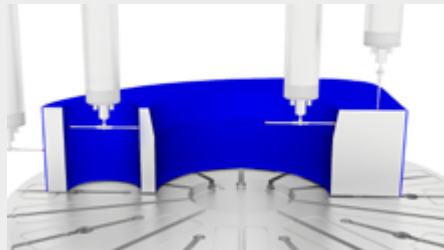
### VERSATILITY

DVG has been designed to suit our customers' specific applications ranging from universal configuration machines to the most demanding customisations.



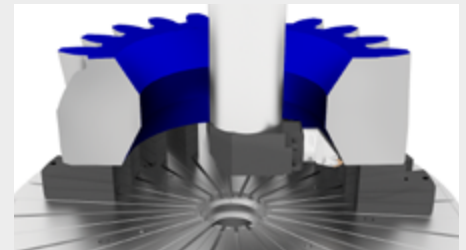
#### Grinding

- Outer and inner diameter grinding.
- Cylindrical and taper grinding.
- Unround grinding.
- Out-of-centre ID grinding.
- Surface grinding.



#### Measuring

- Measuring of all ground surfaces with touch probe.
- Interrupted measuring with radial scanner.



#### Turning

- Turning and hard turning.
- Outer and inner diameter turning.
- Cylindrical and taper turning.
- Surface turning.