



ULoad – the universal automation for the DVS UGrind.

Equipped with a new ULoad automation cell, the hard-fine machining centre DVS UGrind will process small and medium-sized production orders for shaft and chuck parts even more efficiently in future. With the universal loading unit, the DVS UGrind can be automated for a wide range of different workpieces up to 130 mm in diameter.

At the heart of the automation is the flexible pivoting gripper which loads and unloads quickly and precisely. During machining, the gripper unloads the finished part from the self-supporting conveyor belt integrated in the ULoad, removes a raw part and parks it behind the loading hatch to the work chamber. Once the machining process is complete, the loader takes the short path to remove the finished part, pivots and loads a new raw part. As soon as the loading hatch is passed, a new machining process can be started.

The standalone design of the ULoad loading cell with its own control and independent peripherals can eas-



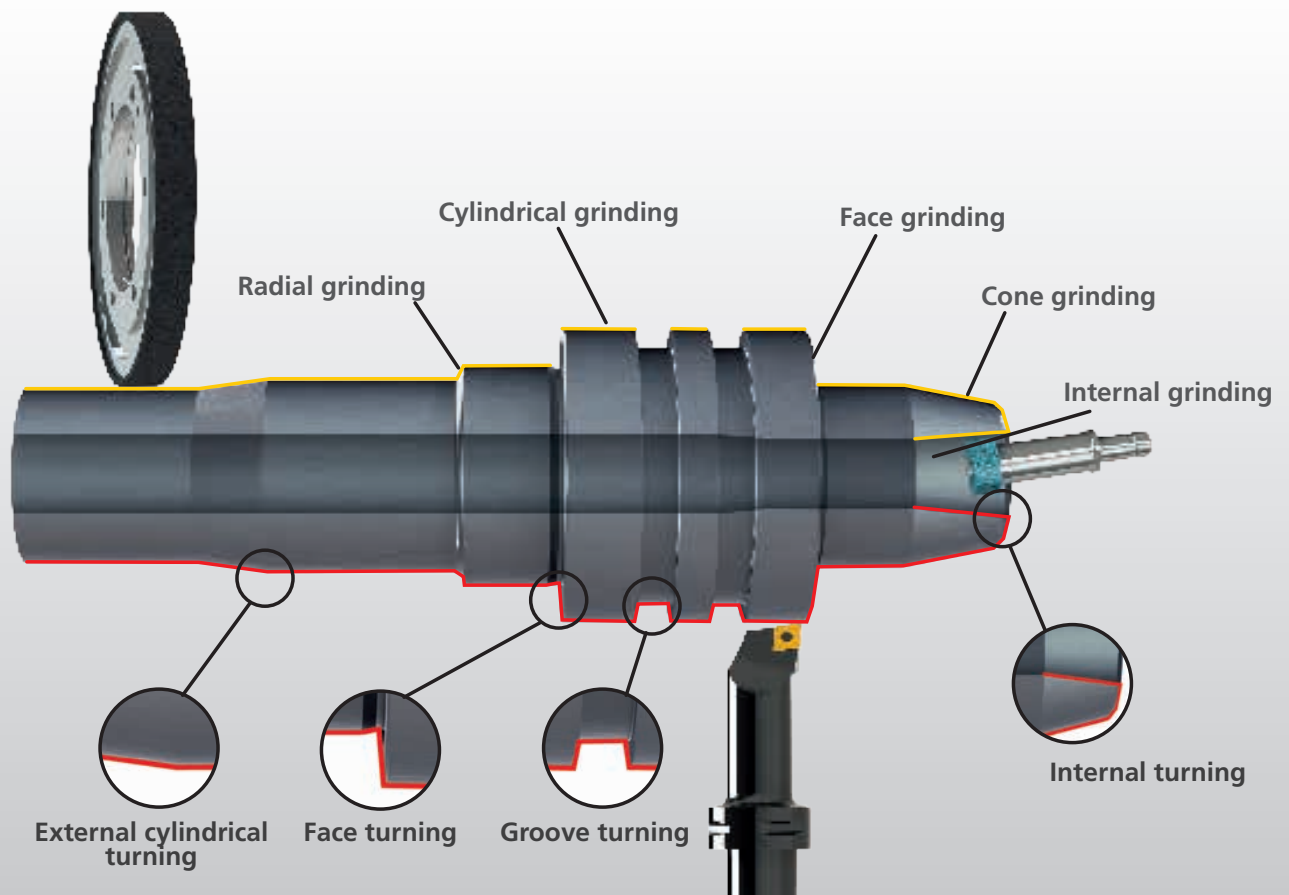
Your advantages

- Flexible automation cell for loading shaft and chuck parts with different diameters.
- Fast and precise loading using the pivoting loading system
- Standalone programming and peripherals for fast integration in operating UGrind machines
- Good accessibility thanks to integrated self-supporting conveyor belt

Technical specifications

Max. Workpiece weight [kg]	10
Workpiece length [mm]	400 (for UGrind 800)
Workpiece diameter [Ø mm]	150
charge cycle [sek.]	10
loading stroke [mm]	70
swivel range [°]	240

ily be integrated in UGrind machines that are already in operation, without excessively long production downtime. The reason: ULoad automation cells can be programmed and put into operation even without a machine connected. Following marriage to the DVS UGrind, loading and unloading of the parts just has to be setup and production can restart.



Highest flexibility with countless hardfine machining operations in one machine



Easy on-site and remote operation

An intended chip conveyor can be placed under the automation so that no additional space beyond the machine dimensions is needed.



DVS Universal Grinding GmbH
Werner-von-Siemens-Str. 1
35510 Butzbach/Germany

Tel. +49 (0) 60 33 1 81 76 00
Fax +49 (0) 60 33 1 81 76 33
sales.ugrind@dvs-technology.com
www.dvs-universal-grinding.de