

# HIGH PRECISION GRINDING MACHINES



## High precision machines for internal, external and face grinding, suitable for single part manufacturing and high volume production.

The ID can also incorporate spindle turret, measuring head and automatic loading system.

All machines are equipped with linear motors technology, ideal for non-round grinding.

Designed for the grinding of gear parts, cutting tools, bearings, non-round discs and hydraulic components.



**01** Internal bearing grinding | **02** Internal and external grinding | **03** Internal and face gear grinding | **04** Internal grinding | **05** Internal gear grinding with automatic loading & unloading system | **06** Internal and face input shaft grinding | **07** Internal high-pressure pump grinding | **08** Internal cam grinding



## HIGH PRECISION GRINDING MACHINES

TECHNICAL CHARACTERISTICS		ID-200	ID-400	ID-600
Internal grinding diameter (max.)	mm (in)	100 (3.9)	200 (7.8)	700 (27.5)
Workpiece length (max.)	mm (in)	100 (3.9)	190 (7.4)	600 (23.6)
Work swing	mm (in)	200 (7.8)	400 (15.7)	900 (35.4)
Workpiece weight (max.)	kg (lb)	30 (66.1)	70/170 (154.3/374.7)	500 (1102.3)
X and Z axis stroke	mm (in)	400/200 (15.7/7.8)	400/450 (15.7/17.7)	650/650 (25.5/25.5)

## **MACHINE TECHNICAL DESCRIPTIONS**



## DANOBATGROUP

OVERBECK GmbH Konrad-Adenauer Str.27 D-35745 HERBORN GERMANY

## Linear & Digital Technology

The finest technologies result in the most accurate machines. Precise, fast movements ensure the highest productivity and quality. Maintenance free rotary axes using torque motors.

## **Rigidity-Stability-Precision**

- · Natural granite bed for a perfect stability.
- Electrospindles carefully assembled in a CLEAN ROOM in-house.

## **Ergonomics-Modularity-Aesthetics**

 $\cdot$  Updating of the design to the customer's needs.

· End-users security, accessibility and operability.

## Software

User friendly, powerful software for easy grinding cycle programming, form generation and production control.

Tel.: +49 (0) 2772 801 0 Fax: +49 (0) 2772 801 153 info@overbeck.de www.danobatoverbeck.com

