

# HT 3000 AUTOMATIC CUPWHEEL GRINDER

for Steel and Iron samples



- Compact automatic machine for manual operation and integration into simple automation systems
- possibility to link to HERZOG air tube systems
- little space requirement due to integrated control cabinet
- fast sample handling and good reproducibility of ground sample surface with one grinding wheel
- creation and selection of several grinding programs by the user
- closed, dust-tight and sound-insulated machine housing guaranteeing optimum working security

**HERZOG**

## Technical Data

### Model HT 3000

Colour: blue  
Lettering: English  
Instruction manual: 1-fold

### Dimensions

1050 x 790 x 1600 mm

### Power supply and consumption

Voltage: 400V 50Hz 3Phases  
Neutral wire: not required  
Connected load: 10kVA

### Compressed air supply and consumption

Pressure: min. 5 bar, max. 10 bar  
Quantity: ca. 750 dm<sup>3</sup>N/Sample

### Water supply and consumption

Pressure: min. 3bar, max. 10 bar  
Quantity: ca. 2,5 l/Sample

### Dedusting connection

Location: at back  
Diameter: OD=120 / ID=115 mm  
Required dedusting capacity:  
15 m<sup>3</sup>/min. at 2100 Pa  
Container for dust:  
at front

### Control cabinet

PLC-Controller: SIMATIC S 7  
Control voltage: 24 V DC  
Protection: IP44  
Insulation class: B

### Sample clamping device

Specification: 2 clamping jaws,  
self-centering and parallel clamping  
Clamping range - diameter: max. 60 mm  
Clamping range - thickness: 8...60 mm

### Grinding parameter

Grinding depth: max. 2 mm  
Processing time: min. 30 sec., according to  
selected program

### Number of processing programs: 8

### Sample cooling

Type of cooling: by cooling nozzles  
Cooling media: compressed air and water

### Processable samples

Material: Steel and iron  
Shape: without pin, round, oval and dual  
thickness sample  
Hardness: max. 64 HRC  
Temperature: max: 800° C

### Sample infeed and outfeed

Infeed method: manual at input position  
Location: front at right  
Output method: manual or automatic at output  
position

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#### HERZOG MASCHINENFABRIK GMBH + CO.

Auf dem Gehren 1  
D-49086 Osnabrück  
Tel. 0541 93320  
Fax 0541 933232

#### HERZOG AUTOMATION CORP.

16600 Sprague Road  
Cleveland, Ohio 44130, USA  
Phone 440 891 9777  
Fax 440 891 9778

#### HERZOG JAPAN LTD.

5-8, Funado, 3-chome  
Itabashi-ku, Tokyo 174  
Phone 03 5994 0273  
Fax 03 3967 2224