Agence Nord:
ZA Object'Ifs Sud - Lot A3
6 Allée Emilie du Châtelet
14123 Ifs
tél : 02.31.34.50.74
fax : 02.31.34.55.17

Agence Est:
Parc Club des Tanneries
2 Rue de la Faisanderie
67380 Lingolsheim
tél : 03.88.04.01.81
fax : 03.68.93.01.52

DELTA LABO

Agence Sud:
Bât Le Venango. 392 Rue Jean Dausset
AGROPARC - BP11575
84916 Avignon Cédex 9
tél : 04.90.27.17.95 fax : 04.90.27.17.52

www.deltalabo.fr
info@deltalabo.fr

HERZOG

HT 350

Dual disc surface grinder



Your quality. Our focus.

www.herzog-maschinenfabrik.de

Dual disc surface grinder

The disc grinding machine
for a wide range of applications-
Proven technology for maximum work safety,
sample quality, and cost efficiency

Designed for the perfect level grinding

The HT 350 allows coarse and fine sample grinding without need of retooling the machine. Each of the grinding discs has its own driving motor which can be separately switched on and off.

The direct drive of each disc guarantees a highly precise grinding pattern at reduced machine wear and low noise level. Both discs have the same direction of rotation supporting quick and ergonomic handling and machining of samples.

As an option, the user can chose between two different rotating speeds. Overload switches protect the motor in case of overvoltage and overload.

The aperture above the disc has been optimized for a maximum of safety and operator convenience. Variants of the aperture design are available upon request.



As an option, a safety foot pedal is available. The pedal is not fixed to allow free positioning

Optimized mounting of grinding paper

The vacuum suction system of the grinding discs guarantees the solid and level fixation of the sanding paper. This allows the use of cost-effective abrasive papers without adhesives or bonding agents and avoids time-consuming removal of adhesive residues. At the same time, it improves preparation quality as there is no unevenness due to adhesive strips causing bumps. As a result, the HT 350 enables the precise and absolutely even surface grinding of samples.

As an option, the user can chose between two different rotating speeds. Overload switches protect the motor in case of overvoltage and overload.



Efficient sample preparation of steel, iron, and foundry samples

The HT 350 features two separately driven disc grinders, guaranteeing safe and perfect surface grinding, with an optional choice of two rotating speeds for added flexibility.

Design Options

- Sample holder 40 mm, magnetic
- Sample holder 45 mm, magnetic
- Sample holder 50 mm, magnetic
- Sample holder 35-45 mm, mechanical
- Safety food pedal

Optimum safety and ergonomics at work

Main focus in the design of the HT 350 was optimization of machine safety and ergonomics. The motor brakes activate an immediate stop of the grinding discs in case of switching off the machine, opening the cover or operating the centrally located emergency stop pushbutton. As an option, a safety foot pedal is available preventing machine operation without the operator. The position of foot pedal is not fixed but can be changed according to the requirement of the operator. The gap distance between grinding disc and machine cover has been reduced to a minimum.

The machine height of 1000 m and the free accessibility permit ergonomic and non-tiring working. Useful accessories are magnetic and mechanical sample holder in various sizes for various sample shapes.



Efficient spark removal

The integrated powerful dedusting unit and the optimized suction slots efficiently remove sparks during the grinding process. The spark trap and easy-to-remove filters guarantee a safe and dust-free environment as well as a convenient machine operation.

The machine height of 1000 m and the free accessibility permit ergonomic non-tiring working. Useful accessories are magnetic and mechanical sample holder in various sizes for various sample shapes. Coarse parts occurring during the grinding process are collected within a drawer below the spark trap. This can be easily removed and cleaned.



Technical Data

Model HT 350

Color	RAL 5007 / 7035
Accessories	1 set of wrenches

Dimensions (LxWxH)

Machine	840 mm x 790 mm x 1060 mm
Machine incl. Packaging	1150 mm x 1100 mm x 1600 mm
Disc Diameter	350 mm

Weight

Machine	315 kg
Machine incl. Packaging	461 kg

Power

Total Load	5.0 kW
Motor Power for Dedusting	0.6 kW
Rotating Speed of Disc	2800 min^{-1} (50 Hz), 3400 min^{-1} (60 Hz)
Motor Power of Disc	1.5 kW each

Options

Selection of Second Rotating Speed

- 2800 min^{-1}/1400 min^{-1} (50 Hz)
- 3400 min^{-1}/1700 min^{-1} (60 Hz)

Motor Power of Disc	1.9 kW each
Safety Foot Pedal	On request
Mechanical Sample Holder	D = 35 – 45 mm
Magnetic Sample Holder	D = 45 mm, D = 50 mm

Accessories

Magnetic Sample Holder	D = 40 mm

DEUTSCHLAND
HERZOG Maschinenfabrik GmbH & Co. KG

Auf dem Gehren 1
49086 Osnabrück
Germany

T +49 541 9332-0
F +49 541 9332-33
info@herzog-maschinenfabrik.de

FRANCE
HERZOG France

8 rue Bis Gabriel Voisin
51100 REIMS
France

T +33 (0)6 81 72 41 65
info@herzog-automation.fr
www.herzog-automation.fr

USA
HERZOG Automation Corp.

8245 Dow Circle
Strongsville, OH, 44136
USA

T +1 440 891 9777
info@herzogautomation.com
www.herzogautomation.com

JAPAN
HERZOG Japan Co., Ltd.

3-7, Komagome 2-chome
Toshima-ku
Tokio 170-0003
Japan

T +81 359 0717 71
F +81 359 0717 70
info@herzog.co.jp
www.herzog.co.jp

CHINA
HERZOG (Shanghai) Automation Equipment Co.,Ltd

Section A2,2/F, Building 6,
No.473, West Fute 1st Road,
Waigaoqiao F.T.Z, Shanghai, 200131,
P.R. China

T +86 21 503 759 15
F +86 21 503 757 13
MP +86 15 800 750 53
info@herzog-automation.com.cn
www.herzog-automation.com.cn

INDIEN
HERZOG Automation India

Office No 416, 4th Floor, Westport, Baner Gaon
Pune, Pune City, Maharashtra, 411045
Indien

T +49 541 9332-40
info@herzog-automation.in
www.herzog-automation.in

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