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



Agence Sud:

fax: 02.31.34.55.17

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

Agence Est: Parc Club des Tanneries

TP 20 E Bench-top pellet press

> HSM 50 Bench-top pulverizing mill







Access to the press tool via safety flap

Press tool of TP 20 E

Your bench-top solution for

PELLET PRESS TP 20 E

Improved operator comfort – Increased efficiency

The TP 20 E is the bench-top laboratory press for easier and more efficient preparation of pressed pellets for XRF analysis. The semiautomatic TP 20 E produces perfect pellets at the press of a button. The pressure is built up automatically using a hydraulic aggregate instead of a hand pump. This means significant reduced physical workload, more comfortable working conditions and efficiency enhancement for the operator.

Easy to use - Safe to handle

The sample material is filled into the press tool manually. The operator inserts the press tool in the machine and closes the safety input/output flap. The machine will not start until the flap is closed.

By pushing the 'start' button, the piston moves out until it achieves its maximum pressure force of 200 kN and the motor stops. The hydraulic system keeps the pressure until the operator pushes the 'stop' button to let the piston move backwards.

For safety reasons it is not possible to open the input/output flap during the complete process. The flap is released as soon as the piston is retracted completely. Then the press tool with the pressed pellet can be removed and the machine is ready for the next sample.

Options



pulverizing and pelletizing

PULVERIZING MILL HSM 50

Space-saving solution for a wide range of application

The HSM 50 is the compact bench-top machine for efficient pulverizing. The grinding mill is suitable for the pulverizing of different kinds of material, for example silicate, cement, ceramic material, ores, iron sinter, slag ferroalloys and various other minerals. According to the application the operator can choose between 10 or 50 ccm grinding vessel (chrome steel or tungsten carbide).



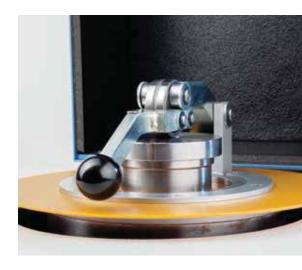
The sample material is filled into the grinding vessel. Then, the grinding vessel with puck and lid is inserted and fixed manually using the machine clamping device. The grinding time is can be adjusted and the grinding cycle is initiated by pressing the start button.

Safe operation

After closing the flap the machine is locked during the grinding operation by a safety switch. The grinding vessel is manually removed from the machine and the ground material can be discharged for further processing. The machine is totally enclosed, sound insulated and requires a minimum of operator's time and maintenance. Safety switches automatically deactivate the machine in case of malfunctions during operation.



Easily accessible clamping device





Manual clamping device with and without grinding vessel (50 ccm)



Model TP 20 E

· Color: white/blue · Lettering: English

Instruction manuals: 1 copy, English · Accessories: 1 set of spanners

Dimensions L x W x H

Machine: 581 x 320 x 537 mm

Machine including

800 x 550 x 1,050 mm packaging crate:

Weights

130 kg Machine:

Machine including

packaging crate: 190 kg

Power supply and consumption

Voltage: 400 V, 50 Hz, 3-phase

Neutral conductor: Not required Power consumption: 0.5 kVA Compressed air supply: Not required

Electrical switch cabinet

DDC system: Siemens LOGO

Type of protection: IP 54

Process parameters

Pressure holding time: To be adjusted individually

Press force: 200 kN Piston stroke: 32 mm max.

Options

Press tool 40 mm diameter for free pressing

Press tool 40 mm in aluminium cups

Press tool 40 mm for pressing in steel rings

• Press tool 51.5 mm for pressing in steel rings

Model HSM 50

· Color: white/blue Lettering: English

Instruction manuals: 1 copy, English Accessories: 1 set of wrenches

Dimensions L x W x H

Machine including

packing: 850 x 850 x 1,100 mm

Weight

Machine including

180 kg packing

Power supply and consumption

Voltage 400 V, 50 Hz, 3 Phases

Neutral conductor Not required Connected load 2.5 kVA

Electrical control cabinet (integrated)

Control Simatic C7 24 V Control voltage IP 44 Protection Insulation class В

Options

• Grinding vessel 10 ccm (chrome steel or tungsten carbide)

Grinding vessel 50 ccm (chrome steel or tungsten carbide)

The machines are built according to the European CE-guidelines

The design of the machine complies with the applicable accident prevention and VDE (German association of electronic engineers) %

HERZOG Maschinenfabrik GmbH & Co. KG

Auf dem Gehren 1 49086 Osnabrück Germany

Phone +49 541 9 33 20 +49 541 9 33 232 info@herzog-maschinenfabrik.de www.herzog-maschinenfabrik.de **HERZOG Automation Corp.**

16600 Sprague Road, Suite 400 Cleveland, Ohio 44130 USA

Phone +1 440 891 9777 +1 440 891 9778 Fax

info@herzogautomation.com www.herzogautomation.com HERZOG Japan Co., Ltd. 3-7, Komagome 2-chome Toshima-ku

+81 3 5907 1770

Tokio 170-0003, Japan Phone +81 3 5907 1771

info@herzog.co.jp www.herzog.co.jp

Fax

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

Phone +86 21 50375915 +86 21 50375713

xc.zeng@herzog-automation.com.cn www.herzog-automation.com.cn

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

AGROPARC - BP11575

84916 Avignon Cédex 9

tél: 04.90.27.17.95 fax: 04.90.27.17.52

DELTA LABO Agence Sud:

Bât Le Venango. 392 Rue Jean Dausset

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

> www.deltalabo.fr info@deltalabo.fr



reserve the right to make technical changes equlations.