



Pre-Installation Requirements

HP-MP

HERZOG

The figure on the cover may not exactly represent the delivery state of the machine.

Machine Data

Type	HP-MP
Number	MA XXXXX-XX-X
Ident number	X-XXXX-XXXXXX-X
Year of manufacture	2020

Electrical Data

Voltage	X x XXX V
Frequency	XX Hz
Power consumption	5 kVA

Manual

Pre-Installation Requirements	47212
Printed	05/05/2020

Imprint

Publisher	HERZOG Maschinenfabrik GmbH & Co. KG Auf dem Gehren 1 D-49086 Osnabrück
E-Mail	info@herzog-maschinenfabrik.de

Translation of the manufacturer's original Pre-Installation Requirements. All other foreign language versions of this manual are exclusively translations of the original german Pre-Installation Requirements. Reproduction or duplication, even in extracts, only with the express permission of the publisher.

Table of content

1.	Preface	4
1.1.	General	4
1.2.	Symbols and instructions	5
2.	Requirements of the installation site	6
2.1.	Space required for operation and maintenance	6
2.1.1.	Machine with grinding aid dosage	6
2.2.	Ground, foundation	7
2.2.1.	Machine with dry cleaning	7
3.	Energy requirements	8
3.1.	Electricity	8
3.2.	Compressed Air	8
3.3.	Suction unit	8
4.	Supply and waste connections	9
4.1.	Machine with grinding aid dosage (option)	9
5.	Safety devices for the operator	10
5.1.	Suction unit	10
6.	Permissible environmental impact, emissions	11
6.1.	Permissible environmental impact	11
6.2.	Emissions	11

1. Preface

1.1. General

The compliance with the operating manual is a crucial prerequisite for fault- and accident-free machine operation. All operating and maintenance personnel must have easy access to this operating manual.

Machine parts, tools, supply and delivery lines or the controller must not be modified without prior consent by the manufacturer. This is of particular importance to ensure machine safety.

The machine must be used only for the intended purpose.

Maintenance tasks must be completed in regular intervals to maintain machine capacity, operational safety and availability.

In the event of problems, please contact our customer service or spare parts department or one of our agents to provide assistance.

This operating manual relates only to the machine described below.

Technical changes of the representations and information shown in this manual as they may be required for improving the described machine are reserved.

This manual is intended for the operating and maintenance personnel. It contains information and drawings of a technical nature which may not, neither in part nor in whole, be duplicated, distributed or utilised for purposes of competition or disclosed to third parties.

Copyright

Pursuant to the law against unfair competition, this operating manual is an official document. The copyright remains with

HERZOG Maschinenfabrik GmbH & Co.

Auf dem Gehren 1

D-49086 Osnabrück

1.2. Symbols and instructions

Workplace safety symbol (danger of injury)

Danger!

The word "DANGER" indicates an imminent danger that results in serious injuries or death.

**Warning!**

The word "WARNING" indicates a potentially dangerous situation that could result in serious injuries or death.

**Caution!**

The word "CAUTION" indicates a potentially dangerous situation that could result in minor injuries.



Note (danger of material damage, general information)

Note!

"Note" indicates a potentially dangerous situation that may lead to damage to property or to environmental damage.
This signal word is also used for instructions for use and other useful information.

**Information**

This symbol indicates that the corresponding manual section contains a general note. These notes provide additional information about the handling and operation of the machine.



2. Requirements of the installation site

GB-00204

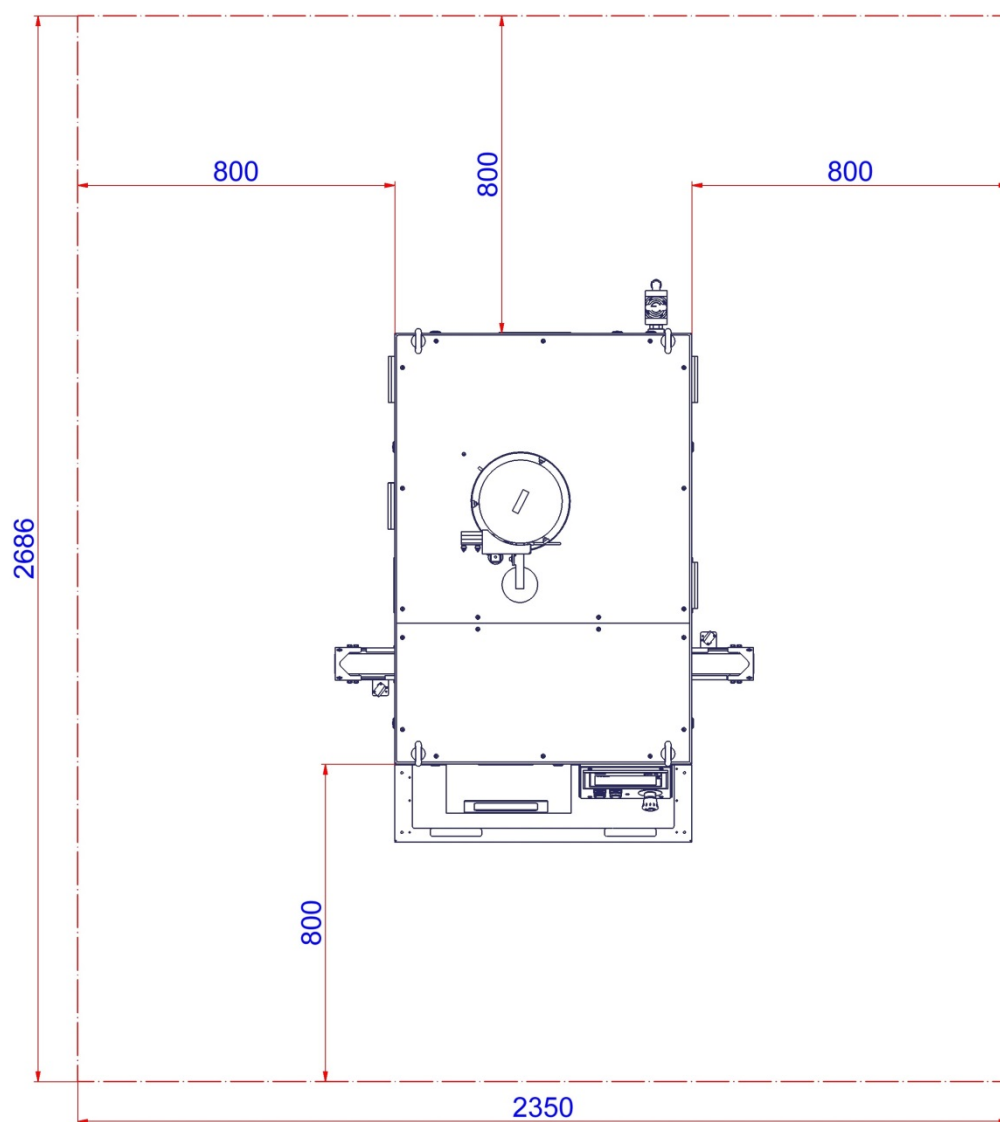
2.1. Space required for operation and maintenance

GB-00335

2.1.1. Machine with grinding aid dosage

GB-33308

Space required
(Figure similar)

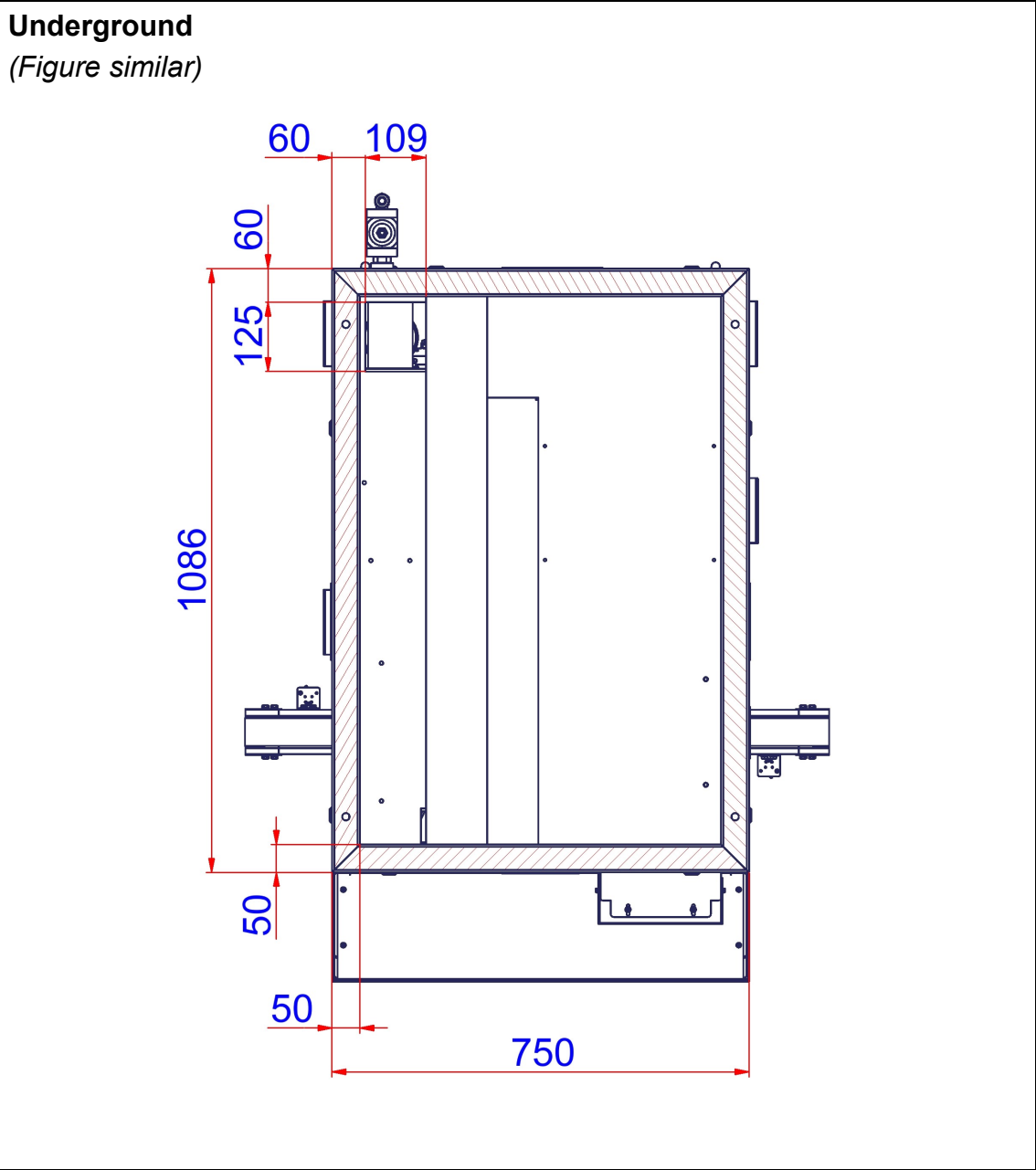


2.2. Ground, foundation

GB-00345

2.2.1. Machine with dry cleaning

GB-36191



1	Opening in the machine bottom for connection of extraction downwards/pneumatic connection from below (option) and feedthrough for electric cables
---	---

Machine standing area	0.825 m2
Weight (default)	750 kg
Load bearing capacity of the ground (default)	910 kg/m2
Foundation	not required
Underground	level, can be loaded with the machine's weight

3. Energy requirements

GB-00207

3.1. Electricity

EN-45818

Alternating current	X x XXX V AC
Permissible deviation	± 5 %
Frequency	XX Hz
Permissible deviation	± 5 %
Connected load	5 kVA

Further information can be found in the enclosed electrical diagram.

NOTE!

The machine is not suitable for operation with a residual current circuit breaker (RCD).



3.2. Compressed Air

GB-32930

Overpressure min. 5 bar, max. 10 bar

Permissible contamination

filtered with pore size 5 µm, -free of oil and water

Consumption

Short-term max. approx. 1700 dm³_N / min (dry cleaning)
 per sample approx. 2800 dm³_N (dry cleaning)

3.3. Suction unit

GB-00639

Type of dust : material left over from incoming samples

Underpressure required at connection fitting approx. 2100 Pa

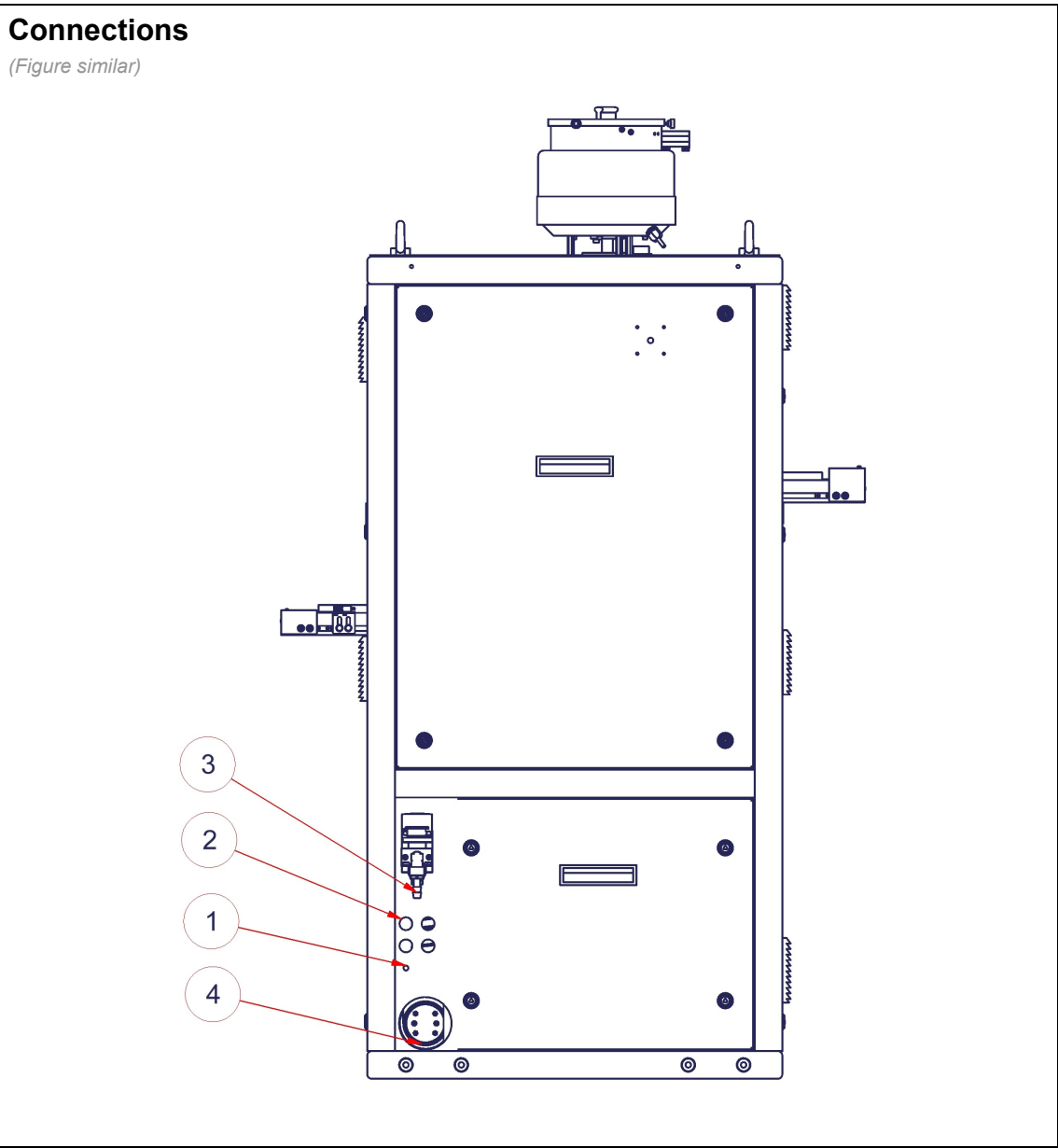
Amount of suction required at connection fitting approx. 6 - 10 m³/min

4. Supply and waste connections

GB-00209

4.1. Machine with grinding aid dosage (option)

GB-33309



1	Equipotential bonding
2	Electric cable bush
3	Pneumatic connection
4	Suction connection : \varnothing 80 mm

5. Safety devices for the operator

GB-00211

5.1. Suction unit

GB-00323

If no suction device was purchased with the machine as an option:

CAUTION!**Risk of health damage!**

A suction device must be provided by the customer, to avoid health damage of the operating personnel.



6. Permissible environmental impact, emissions

GB-00213

6.1. Permissible environmental impact

GB-00214

Ambient temperature	max. + 40°C min. + 10°C
Altitude of the installation site	max. 1000 m
Humidity	92 % relative
Vibrations	0.2 g

NOTE!

Aggressive air components are not permissible.



6.2. Emissions

GB-22989

Medium duration of an operation cycle

- Grinding duration + approx. 3.5 min. (dry-cleaning)

Noise emissions during normal operation given correct handling

- Average < 80 dB (A)
Should cleaning parameters be changed, this level may be exceeded in the short term given certain specific configurations

Vibrations

- Medium, caused by the spring-mounted oscillation unit

Dust

- Small quantities of dust can develop when fine-grain sample materials are used.
- Dust components: sample materials

Vapours

- None

Heat radiation

- Low level only caused by motors and switching units

Deutschland

HERZOG Maschinenfabrik GmbH & Co. KG

Auf dem Gehren 1
D-49086 Osnabrück
Fon +49 541 9332-0
Fax +49 541 9332-32
info@herzog-maschinenfabrik.de
<http://www.herzog-maschinenfabrik.de>

USA

HERZOG Automation Corp.

16000 Sprague Rd., Suite 400
Cleveland, Ohio 44130
Fon +1 440-891-9777
Fax +1 440-891-9778
herzog@herzogautomation.com
<http://www.herzogautomation.com>

Japan

HERZOG JAPAN Co., Ltd.

3-7, Komagome 2-chome
Toshima-ku
Tokyo 170-0003, Japan
Fon +81 3-5907-1771
Fax +81 3-5907-1770
herzog-jp@herzog.co.jp
<http://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
Fon +86 21 50375915
Fax +86 21 50375713
MP +86 15 80 07 50 53 3
xc.zeng@herzog-automation.com.cn
www.herzogautomation.com.cn