

## Maschinpex semi-automatic Visomat IV liquid inspection machine for vials – (word client).

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Year of construction : 2010  
Serie: 1452



For liquids visual inspection of:  
- antibiotic vials,  
- injection vials, infusion bottles

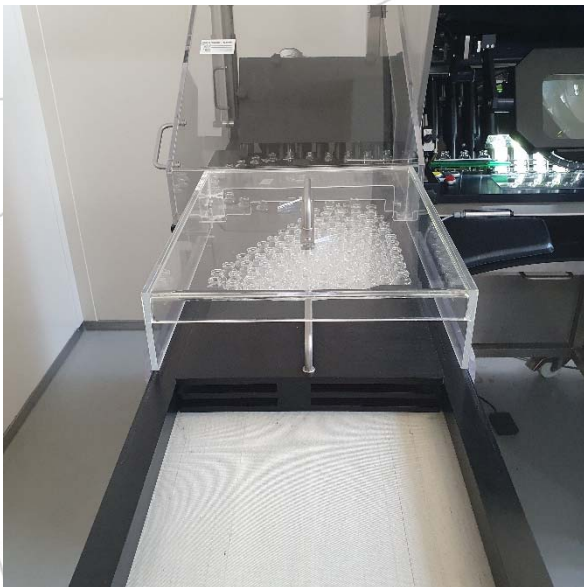
Sets of size parts .	Product	Vial dimensions
1	Vial 3 ml	16,5 x 38 mm
1	Vial 2R (ISO 8362)	16,0 x 35 mm
2	Vial 10R (ISO 8362)	24 x 45 mm
3	Vial 20 ml	28 x 65 mm

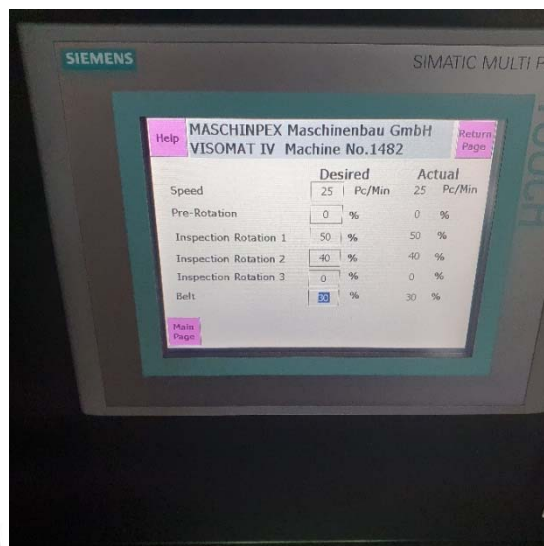
### Specifications

- GMP conform:** Machine construction completely in stainless steel AISI 304 (1.4301) and suitable plastic materials generally accepted for use in the pharmaceutical industry.  
Machine frame welded and smoothly ground to a grit 300 finish.  
Drives and moving parts can easily be accessed for cleaning and maintenance.  
Potential change parts such as inspection rollers can be exchanged without the aid of tools.  
The equipment meets safety requirements stipulated by CE.
- CE conform:** Machine design in accordance with EC machinery guideline 98/37/EC.
- Output:** Mechanically up to 10.000 products per lane and hour. Realistic achievable inspection performance depending on products to be inspected, inspection criteria, skill of inspection person and machine execution.

<b>Ergonomics:</b>	The general conception is based on ergonomic principles. Therefore this unit offers a modern working place with enough legroom for the operator. The padded arm rests allow the inspection person to work in a relaxed posture (service altitude approx. 900 mm).
<b>Control System:</b>	Programmable controller (SPS/PLC), Siemens.
<b>Operating Security:</b>	Infeed and outfeed section covered by transparent, hinged covers with safety switches. As soon as the cover is opened the machine stops.
<b>Height Setting:</b>	By means of spindles in the machine frame with lockable castors +/- 50 mm. Standard height = 900 mm.
<b>Inspection Angle:</b>	60° on the basis of the horizontal line.
<b>Inspection Chain:</b>	UNIVERSAL DUPLEX stainless steel chain, designed for quick distance setting of plug-in type inspection rollers; The containers are always in an ideal position between the inspection rollers and therefore allow the best possible all-round inspection. Anti-static inspection rollers (black or white).
<b>Chain Drive:</b>	Gear motor 0,55 kW for infinite setting of chain speed, with transport speeds of the infeed and outfeed section fully synchronised.
<b>Inspection Area:</b>	Shielded by a control cabin, inside mat black Width: 720 mm Height: 620 mm.
<b>Control Desk:</b>	Cockpit design with all operating and inspection elements arranged in the control desk in a glare-free and neat way.
<b>Inspectors:</b>	One person.
<b>Electricity:</b>	400 V 3-Ph. + N + PE, 50 cycles, control voltage 24 V. Special voltages and frequencies upon request. Wiring according to EURO-NORM 60 - 204.
<b>Pneumatics:</b>	No pneumatic services required.
<b>Cleaning:</b>	Approx. 40 minutes incl. inspection chain.

## Photos of Maschinpex Visomat IV





## Prices & Details

### 1. **Basic Machine**

- 1.1. Basic machine complete, according to the above description, designed for infinitely adjustable continuous operation or intermittent motion;  
during intermittent operation mode the number of products and the inspection period can be adjusted;  
pedal switch for stopping the product in order to allow an individual increase of the inspection period;  
control desk in COCKPIT-design;  
jogging mode for set-up operation in case of mounting or dismounting rollers (format change-over resp. cleaning);  
production hour counter;  
LCD display on control desk;  
trouble indication by means of a lamp
- 1.2. Pre-rotation for whirl-up of liquid products; rotation speed infinitely adjustable on control desk.  
Suspended substances/particles are released from the container inside and are whirled up together with the liquid
- 1.3. Inspection rotation;  
infinitely adjustable rotation speed of the rollers, adjustable on control desk up to "0", independent of chain speed.  
Advantages:  
- better inspection quality  
- longer inspection period  
- reduced fatigue  
As soon as the pedal switch is operated the inspection chain stops whereas the inspection rotation continues.  
Pushing an extra button in the reach of the operator furthermore allows a quick manual product whirl-up

### 2. **Optics**

- 2.1. Magnifying glass 2:1, with adjustable positioning
- 2.2. Mirror, adjustable, from below in order to allow the inspection of the product bottoms
- 2.3. Mirror from above in order to allow the inspection of caps/plugs, swivelling, complete incl. support

### 3. **Illumination**

- 3.1. Halogen fibre optic light with infinitely adjustable intensity on control desk for best possible detection of foreign particles in liquid products (TYNDALL-EFFECT) and better detection of cracks in glass objects;  
light bar; Incorporation below/behind the product to be inspected
- 3.2. Halogen fibre optic light from above for better illumination of the caps, plugs etc.
- 3.3. Background trans-illumination, inclusive polarisation filter

4. **Infeed**

- 4.1. Infeed star wheel with wide infeed magazine belt in order to feed vials via a magazine

5. **Outfeed**

- 5.1. Outfeed star wheel and simple magazine feeding for receiving the inspected "good" products in your tray

6. **Format Parts**

- 6.1 4 sets of size parts for vials, comprising infeed and outfeed star wheels and necessary guide parts

8. **LCD Clear Text Display on Control Panel**

Display of the following information:

- infeed/outfeed quantity
- actual output/hour
- errors
- date

The following parameters can be set via the LCD screen:

- intermittent motion ON/OFF
- quantity/time of cycle
- product selection
- control run (during a self-check the distance of the rollers is checked depending on the format already set)

9. **Automatic Reject with Counter Reject Control**

Automatic reject with counter reject control; Reject products are marked by the operator by breaking a sensor curtain; position of a faulty product is then memorised by the PLC and rejection is effected via a PLC controlled reject system.

Note: A buzzer provides an audible signal once a product has been marked for rejection.:

Rejection of faulty products by means of a reject deflector in the outfeed star wheel. The deflector is powered by an electromagnetic drive.

Through the reject channel the outfeed star wheel then feeds the reject products on a reject collection tray for further removal by operation personnel

10. **Documentation**

- 10.1 Operation manual with electric wiring schematic as hard-copy, in English language, according to MASCHINPEX standard
- 10.2 IQ/OQ documentation in English language to perform machine

VISOMAT IV, EXW Nijmegen NL, ex VAT .....	EUR	75.000,00
Export packaging (wooden crate for transport) not included, ex VAT ... ..	EUR	650,00

### Sales and delivery conditions

Quality: Second hand machinery in good technical conditions, without CE certificate.  
Guarantee: Selling condition “as is”, no guarantee, as it concerns a second hand machine.  
Delivery: In one order and one delivery.  
Ex Works our company 6541 RP Nijmegen, Netherlands.  
Machine delivery time **2- 4 weeks** after your written order.  
Price: In €, exclusive of any taxes, exclusive installation and freight costs.  
Exclusive of any packaging material (crates etc.).  
Payment: before shipment..  
Offer: valid until December 2024, without engagement, **as long as the machines are still available**, valid according to our general sales and delivery conditions as registered by “de Griffie van de Arrondissementsrechtbank in Arnhem” under number 2004/3 and possible different conditions as mentioned in this offer.  
A PDF copy of our general conditions you will find enclosed.

For more info, please contact us

NAFVSM : Tel. 0031.24.377.46.70  
E-mail : [export@naf-vsm.com](mailto:export@naf-vsm.com)  
Website : [www.naf-vsm.com](http://www.naf-vsm.com)