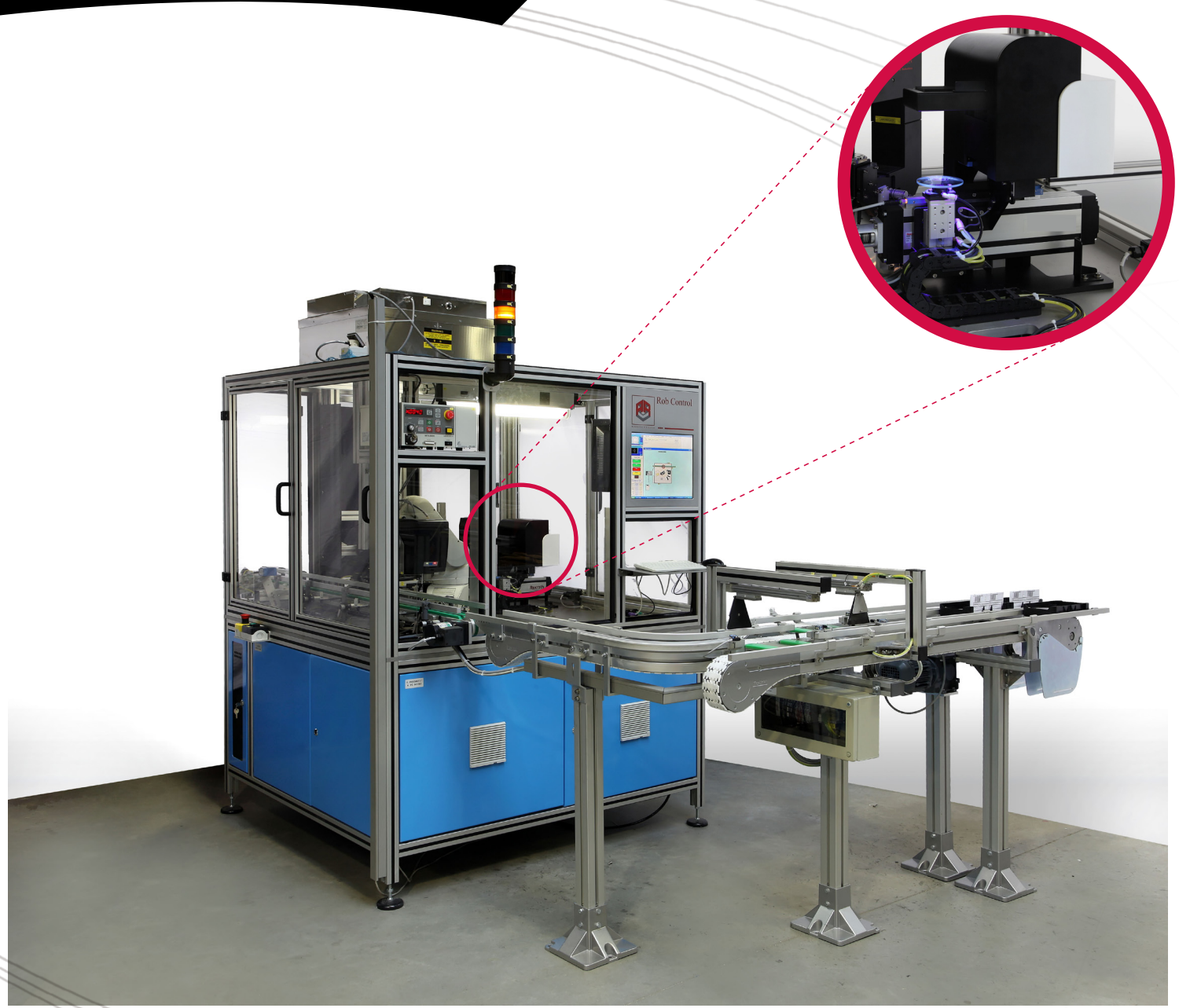
Automation & Robotics

RobControl
with Digital Lens Inking

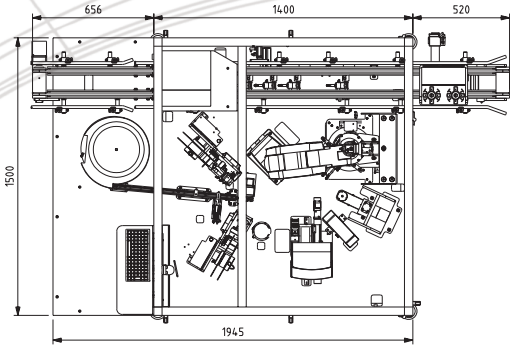
With its capacity of 60 jobs/hour, the RobControl with Digital Inking is dedicated to small, medium-size and even large labs which want to be at the forefront of the progress : maximum flexibility for a better service to your customers!

Despite its small footprint, this machine offers a lot of possibilities: automatic positioning, thickness and power check and Inking.

The finish blocking option can also be integrated! In a few words, the RobControl with Digital Inking and blocking option gives you the possibility to increase quality and flexibility at an affordable price.



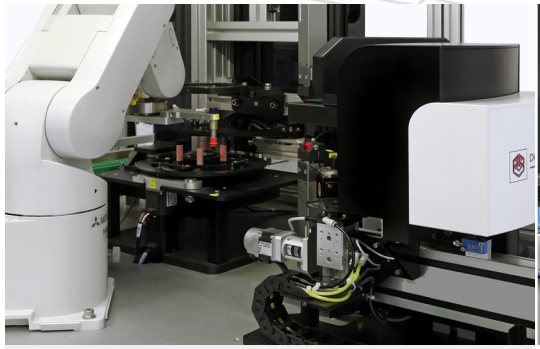
Main Features



1. Accurate handling robot
2. Barcode / memory reading
3. Automatic tray unloading and reloading
4. Automatic lens positioning (PPOS station), location of the optical center of single vision lenses and diameter measurement of round lenses.
5. Center thickness measurement
6. FOCOVISION (through power, prism and cylinder axis measurement at FV, NV & PRP according to the ISO standard)
7. Flexible Digital Inking station
8. Ticket printer at the exit (results or rejected sheet)

Type: RCTBVP

Technical Specifications



Range

- diameter : 44 to 80 mm max.
- maximum power for positive axis : +14 dpt
- maximum power for negative axis : -12 dpt
- cylinder : 0 to + 4.00 dpt
- prism : 5 cm/m
- max. prism value at meas. point: 12 cm/m

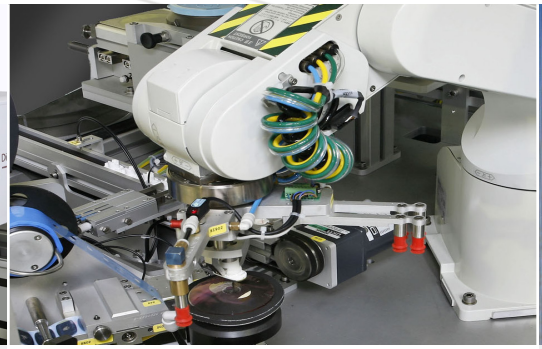
Accuracy

- diameter : 0.2 mm
- sphere and cylinder : 0.02 dpt to 6.00 dpt
  0.03 dpt to 12.00 dpt
- prism : 0.02 cm/m + 1%
- thickness meas. with contact : 0.01 mm
- thickness meas. without contact : 0.04 mm (optional)
- block placement accuracy : 0.3 mm

Capacity

- digital Inking mode : 60 jobs/hour
- blocking mode : 50 jobs/hour

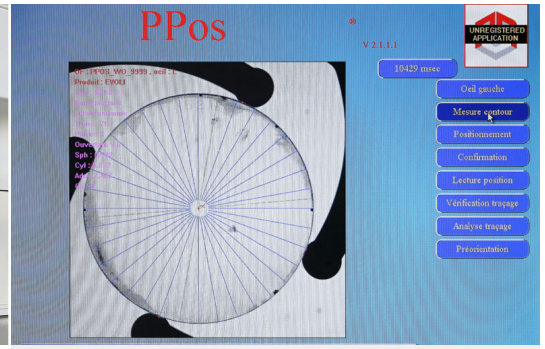
Advantages



- 100% production control following the ISO standard
- Correspondance between the lens and job tray
- High accuracy in measuring (power, prism, thickness and diameter)*
- Auto-calibration with reference lenses
- Accurate and flexible inking device (.bmp file - standard format)
- Very accurate centering and blocking (option)
- Adapted capacity
- Production reports
- Statistics of defects
- Direct feedback on production*
- Connection with the main-frame server
- Multi lingual menus

(* Required for ISO 9000 certification)

Options & Extensions



- Blocking station with automatic block dispenser unit (suitable for different bloc type)
- Contour measurement
- Thickness measurement (with contact) at drill position for rimless orders.
- Axis measurement of gradient tinted-lens
- Polarization axis alignment check
- Thickness measurement without contact
- Laminar flow box
- Protection film dispenser (concave side)
- Additional leap pad dispenser (e.g. for high hydrophobic coated lenses)
- Conveyor for rejected lenses or multi track diverter

01/2011

The sale of all of Automation & Robotics products is subject to the company's applicable Warranty and Limitations of Warranty and to the company's Standard Terms and Conditions of Sale.

Parc industriel de Lambermont
Rue des Ormes 111
B-4800 Verviers - Belgium

Tél.: +32 (0)87 322 323
Fax: +32 (0)87 310 406
e-mail: aut-rob@ar.be

T.V.A.: BE 0423.637.107
R.P.M.: Verviers
www.ar.be

Automation & Robotics