

FAGOR NV300/301G

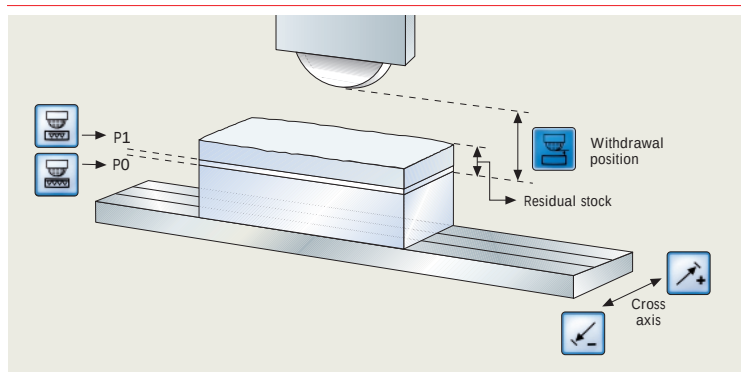
For Grinders



NV 300G

The FAGOR NV300G is especially oriented to machines with the following characteristics:

- Manual or automatic wheel dressing on the wheel holder.
- Independent longitudinal movement.
- Motorized cross axis with feedback.
- Worm gearing on the vertical axis, moved by a servo drive and having encoder feedback.
- Open loop positioning.



Especially designed for display and control of Surface grinders with guaranteed top precision

Programmable parameters:

• Machining:

-   - Cross travel limits with preset option in teach-in mode.
-  - Roughing depth.
-  - Finishing depth.
-  - Presetting of amount of excess material.
-  - Number of spark-out passes.

• Auxiliary:

-  - Withdrawal position - Home.
-  - Machining depth between wheel dressings.
-  - Wheel dressing pass (to compensate the vertical axis reading).

• Other parameters:

- Percentage of wheel wear.
- Compensation for wheel holder sag.
- Leadscrew backlash compensation.

Interface digital:

• Seis salidas (24 V):

- Indicador de mecanizado (desbaste).
 - Indicador de mecanizado (acabado).
 - Orden de diamantado.
 - Finalización de chispeo.
 - Límites +/- de recorrido transversal.
- #### • Cuatro entradas:
- Reset de ejes.
 - Contador de pasadas de chispeo (desde PLC).

Diamond control:

- Encoder feedback: Automatic wheel dressing compensation.
- Without encoder: Compensation by entering the reading of the vernier scale or by the "fixed pass" parameter when using a ratchet mechanism.
- The value of each level may be changed, even during the grinding process, by entering the new value directly from the keyboard.

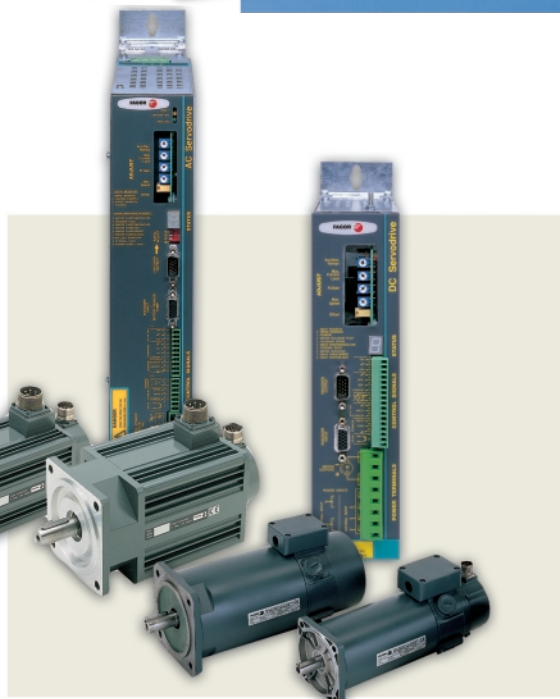
FAGOR NV300/301G for Grinders

Other important features

- The Fagor NV-300G can display the vertical and cross axes as well as the diamond position "V" (if it has a feedback device) simultaneously.
- The motor speed and position as well as the depth of the pass may be controlled from the PLC and the movements in manual mode or in automatic cycles can be defined as well as the rest of the devices.
- Resolution up to 0.1 μm (0.00002"), using 1Vpp feedback signals (on the NV 301G model).
- Three display modes, with information on the status of the machining cycles.
- Coordinate preset.
- Axis coupling.
- Position reading active while the dro display is off: "DISPLAY OFF" mode.
- Speed and feedback alarm, data backup in EEPROM.

With full solutions for automating your Grinder

- FAGOR rotary encoders:
 - From 50 to 5000 lines per turn.
 - With protruding or hollow shaft (coupling incorporated).
 - With radial or axial cable exit.
 - With TTL or sinusoidal output signals (1 Vpp, 3 Vpp).
- FAGOR linear scales:
 - M and MV series for applications in limited space: 120 mm - 1540 mm (4" to 60").
 - C and CV series for standard travels: 220 mm - 3040 mm (8" to 120").
 - TTL or sinewave output signals (1 Vpp, 11 μApp).
 - Direct 0.5 μm resolution (0.00002")
- Fagor digital Drive Systems and Motors.



Distributed by

Fagor Automation S.Coop.
B° San Andrés s/n, Apdo. 144
E-20500 Arrasate-Mondragón, Spain
Tel. 34-943 71 92 00
Fax 34-943 79 17 12
E-mail: info@fagorautomation.es
www.fagorautomation.mcc.es

Fagor Automation, Catalunya (Barcelona-Spain)
Tel. 34-93 474 43 75 - Fax 34-93 474 43 27

Fagor Industriecommerz GmbH (Göppingen-Germany)
Tel. 49-716 120 040 - Fax 49-716 120 0484

Fagor Italia S.R.L. (Milano-Italy)
Tel. 39-02 95 301 290 - Fax 39-02 95 301 298

Fagor Automation Ltda.Suc.Portuguesa (Leça da Palmeira-PO)
Tel. 351-22-99 68 865 - Fax 351-22-99 60 719

Fagor Automation UK Ltd. (West Midlands-UK)
Tel. 44-1384-57 25 50 - Fax 44-1384-57 20 25

Fagor Automation Suisse S.à r.l. (Renan-Switzerland)
Tel. 41-32 96 31 863 - Fax 41-32 96 31 864

Automation Systèmes (Clermont Ferrand-France)
Tel. 33-473 27 79 16 - Fax 33-473 15 02 89

Fagor Automation (Asia) Ltd. (Kowloon-Hong Kong)
Tel. 852-23 89 16 63 - Fax 852-23 89 50 86

Fagor Automation (Asia) Ltd., Twn Branch (H.K.)
(Taichung-Taiwan)
Tel. 886-4-2327 12 82 - Fax 886-4-2327 12 83

Fagor Automation (S) Pte. Ltd. (Singapore)
Tel 65-841 73 45 - Fax 65-841 73 48

Beijing Fagor Automation Equipment Co., Ltd.
Office and Service Centre (China)
Tel. 86-10-64 64 19 51 - Fax 86-10-64 64 19 54

Beijing Fagor Automation Equipment Ltd. Nanjing Office
Nanjing (China)
Tel. 86-25-332 82 59 - Fax 86-25-332 82 60

Beijing Fagor Automation Equipment Co., Ltd.
Guangzhou Rep. Office (Guangzhou-China)
Tel. 86-20-86 55 31 24 - Fax 86-20-86 55 31 24

Fagor Automation Korea, Ltd. (Seoul-Korea)
Tel. 82-2-36 65 29 23 - Fax 82-2-36 65 29 25

Fagor Automation do Brasil Com. Imp. Exp. Ltda. (Brazil)
E-mail: brazil@fagorautomation.com.br

Fagor Automation Corp. (Chicago-USA)
Tel. 1-847-98 11 500 - Fax 1-847-98 11 311

Fagor Automation West Coast (CA-USA)
Tel. 1-714-957 98 85/92 - Fax 1-714-957 98 91

Fagor Automation East Coast (New Jersey-USA)
Tel. 1-973-773 35 25 - Fax 1-973-773 35 26

Fagor Automation South East (GA-USA)
Tel. 1-770-933 90 70 - Fax 1-770-933 94 56

Fagor Automation Ontario (Mississauga-Canada)
Tel. 1-905-670 74 48 - Fax 1-905-670 74 49

Fagor Automation Quebec (Montreal-Canada)
Tel. 1-450-227 05 88 - Fax 1-450-227 61 32

Fagor Automation Windsor (Canada)
Tel. 1-519-944 56 74 - Fax 1-519-944 23 69

Fagor Automation holds the ISO 9001
Quality System Certificate and the
CE Certificate for all its products

 **MONDRAGON**
CORPORACION COOPERATIVA

FAGOR 

Worldwide reliability