



## FAGOR 8035 CNC

**For simple machine-tool applications**

### FAGOR 8035M CNC

- For milling machines and general purpose applications
- 3 axes and 1 spindle

### FAGOR 8035T CNC

- For lathes
- 2 axes and 1 spindle

**The 8035 CNC integrates the following elements into a single module:**

- Central control unit (CPU) with integrated PLC.
- 7.5" LCD monitor, monochrome or color (optional).
- Full alphanumeric keyboard with function softkeys and operator panel.
- 12 free user-defined keys.

**FAGOR** 

### General characteristics

- 24Vdc power supply for the central unit and digital inputs and outputs
- 256Kb user RAM memory
- Integrated PLC of 3ms/1000 instructions with an Mnemonic programming system and logic analyzer
- RS-232 communication (up to 115,200 Bd) and optional DNC
- Feed forward / AC forward for adjusting the axes

### System architecture

- 4 feedback inputs (TTL/1Vpp) for axes and spindle
- 2 TTL feedback inputs for handwheels
- 4 analog outputs ( $\pm 10$  V) for axes and spindle
- 2 probe inputs, 5V (0,25mA) or 24V (0,30 mA)
- Digital I/O: 40 inputs and 24 outputs (150 mA)
- Analog servodrive system

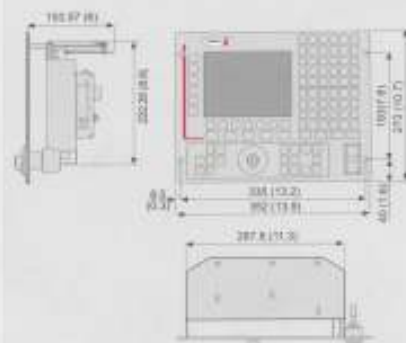
### Features

Features	M	T
<b>Spindle related</b>		
Spindle orientation M19	•	•
<b>Interpolation</b>		
Linear, circular, helical	•	•
Retrace function	•	•
<b>Compensations</b>		
Tool length and radius	•	•
Tool geometry	N/A	•
<b>Graphics</b>		
Tool path	•	•
3 simultaneous views (with depth simulation)	•	N/A
<b>Operation related</b>		
Simulation with execution time estimate	•	•
N block Look-ahead to avoid tool collision	•	•
<b>Programming related functions</b>		
Feedrate as an inverted function of time	•	•
<b>Canned cycles</b>		
Machining canned cycles	•	•
Multiple-positioning canned cycles	•	N/A
Rigid tapping	•	•

# FAGOR 8035 CNC



### Dimensions in mm (inches)



Fagor Automation S. Coop. (Mondragón)  
 3<sup>o</sup> San Andrés, 19 - P.O. Box 144  
 E-20500 Anasazi-Mondragón, Spain  
 Tel: 34 943 719 200  
 34 943 038 800  
 Fax: 34 943 791 712  
 E-mail: info@fagorautomation.es  
 www.fagorautomation.com



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



Worldwide reliability.

FAGOR AUTOMATION shall not be held responsible for any printing or manufacturing errors in this catalog and reserves the right to make any changes to the characteristics of its products without prior notice.