

OPERATING INSTRUCTIONS

For machine : 619/89 model 540 CNC

brand

G. Brand
Werkzeugmaschinenfabrik AG
CH-3138 Uetendorf/Schweiz

Telefon 033 45 29 92
Telex 922 135 brad ch

I N D E X

- 0.1 Range of validity - general hints
- 0.2 Definition of concepts, summary description
- 0.3 Abbreviations

- 1.1 Switching on
- 1.2 Switching off

- 2.1 M-functions
- 2.2 M-descriptions
- 2.3 S-functions
- 2.4 G-functions
- 3.1 Magnetic chuck
- 3.2 Changing workpieces
- 3.3 Additional equipments (options)
- 3.4 Timer (additional equipment)

- 4.1 Trouble shooting
- 4.2 Emergency-Off
- 4.3 Fault signals at Emergency-Off
- 4.4 Reset
- 4.5 To eliminate failures (return axis into the working area)
- 4.6 Operation messages
- 5.1 Battery changing
- 6.1 Changing parameters

- 7.1 Offset gauging axis controller
- 7.2 Controller

- 8.1 Occupancy Automation device
- 8.2 EPROM AG (Automation device) program memory
- 8.3 Automation device parameter (AGP)
- 8.4 List of standard AGP's
- 8.5 Description of the AGP
- 8.6 Display of an AGP

I N D E X

- 10.1 Machine card
- 11.1 Shipping/installation of the machine
- 12.1 Putting the machine into service
- W1.1 Maintenance of the machine
- W1.2 Periodical inspections of DC servo motors
- B1.1 List of controls of the electrical cabinet
- B1.2 List of controls of the cross slide
- B1.3 Handling of the sine magnetic chuck