

CONTENTS

	page
1. TECHNICAL DATA	2
2. ASSEMBLAGE	2
3. KEYBOARD AND INDICATION	3
4. IMPORTANT PRACTICAL INFORMATION	5
5. PACKAGE	5
WARRANTY	6

1. TECHNICAL DATA

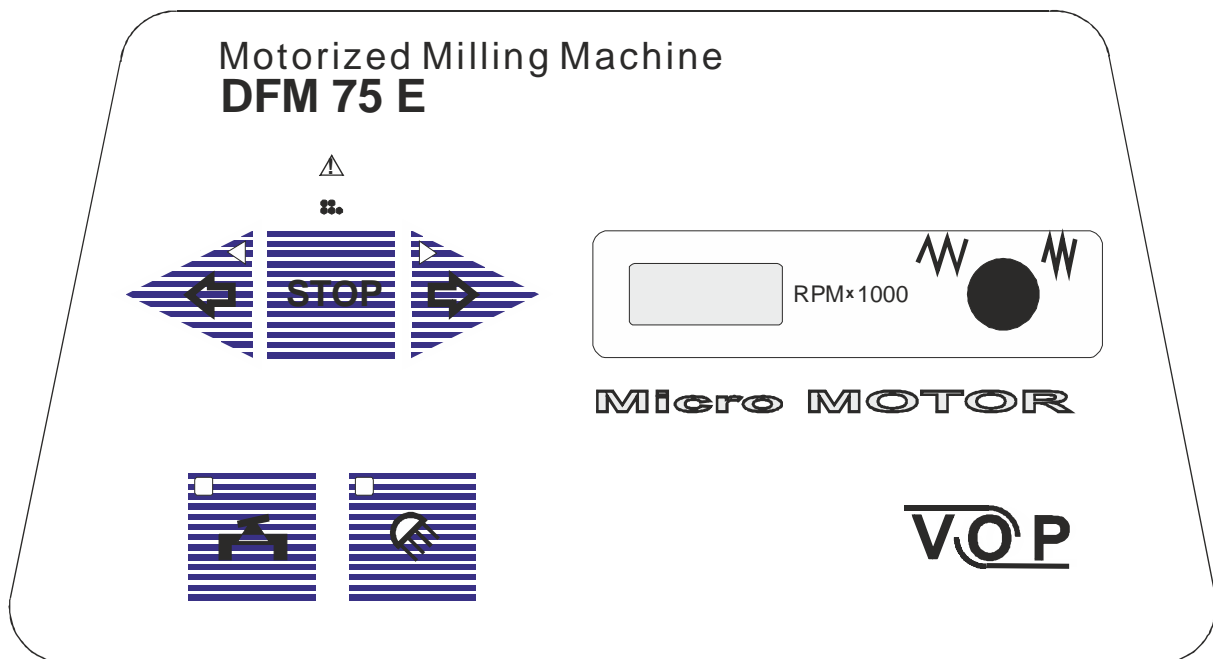
Dental Milling Machine **DFM-75E** is to be used for precise 3D technological operations:

- *FREE MILLING OF WAX AND METAL;*
- *PRECISE MILLING AND DRILLING;*
- *USAGE AS A PARALLELOMETER.*




1. Power Supply	220VAC ±10% 50Hz
2. Power Rating	
2.1. Without External Light	130W
2.2. With External Light	220VAC/ max 100W
3. Micromotor ZM100	
3.1. Power Output	100W
3.2. Speed	450 to 30000 1/min, infinitely adjustable
3.3. Possibility of Reversing Direction	
4. Working Space	
4.1. Free Motion - Y axis	75 mm
4.2. Free Motion - Z axis	30 mm
4.3. Free Motion - axis	360°
4.4. Vertical Travel of Executive Mechanism - Z axis	70 mm
5. Dimensions B/L/H	245mm/340mm/max520mm
6. Weight	17 kg

2. ASSEMBLAGE

1. Unpacking:
 - a) carefully remove modules from packages;
 - b) make sure that mains supply voltage is 220V.
2. Connections:
 - a) connect main supply cable of the milling machine to the "220V 50/60Hz" socket on the rear panel;
 - b) connect supply cable of the micromotor to the "M.MOTOR" socket on the rear panel;
 - c) connect foot switch cable to the "PEDAL" socket on the rear panel;
 - d) connect supply cable of the electric lighting 220VAC/max 100W to the power socket on the rear panel;

3. KEYBOARD AND INDICATION

1. The knob $\curvearrowright / \curvearrowleft$ serves for rotation speed adjustment after starting the motor to a certain direction. Turning this knob anticlockwise decreases and clockwise increases rotation speed. Rotation speed in thousands revolutions per minute is indicated on the display.
2. BUTTON \curvearrowleft starts the motor anticlockwise with rotation speed indicated on the display. This command is executed only if the foot switch is not connected and the pilot lamp $\bullet\bullet$ on the front panel doesn't light. When the foot switch is connected (and pilot lamp $\bullet\bullet$ lights) at pushing this button the pilot lamp for anticlockwise rotation lights. This indicates that when pedal is pressed the motor will start anticlockwise.
3. BUTTON \curvearrowright has the same functions as BUTTON \curvearrowleft in reverse Direction.
4. BUTTON **STOP** interrupts the motion of the motor in manual control mode or cancels the rotation direction when the foot switch is used. At this the pilot lamp for rotation direction turns off.

5. BUTTON  activates the electromagnetic lock of model table and pilot lamp TABLE lights.
For deactivation - press again.
6. BUTTON  turns on the electric lighting if connected and the pilot lamp LIGHTING lights.
For turning off - press again.
7. PILOT LAMP  indicates micromotor overload.
Check whether chuck is not opened.
Turn off the main switch on the rear panel. Wait for about 10 seconds and turn it on again.

4. IMPORTANT PRACTICAL INFORMATION

At linear milling and drilling the motion for one revolution of the vernier is **1mm** and reading accuracy **0.05mm**.

5. PACKAGE

1. Milling Machine DFM-75E	1 pc.
2. Power Supply Cable	1 pc.
3. Model Table	1 pc.
4. Foot Switch (Pedal)	1 pc.
5. Micromotor MZ100	1 pc.
6. Spare Fuse 2A/250V	1 pc.
7. Operation Manual	1 pc.



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DFM-75E

WARRANTY CERTIFICATE

VOP Ltd. GUARANTEES THIS MILLING MACHINE AGAINST ANY DEFECTIVE PARTS OR MATERIALS FOR A PERIOD OF 12 MONTHS FROM DATE OF PURCHASE. DURING THIS TIME VOP Ltd. OR ITS AUTHORIZED DEALERS WILL REPAIR OR REPLACE FREE OF CHARGE ANY DEFECTIVE PARTS, IF SUCH DEFECTS OCCUR IN NORMAL SERVICE AND ARE NOT DUE TO APPARENT MISUSE, ABUSE OR ACCIDENT.

Serial Number.....

Date

PRESIDENT of VOP Ltd.

DFM-75E

NAME.....

ADDRESS.....

.....

Serial Number.....

Date

Please send back to manufacturer