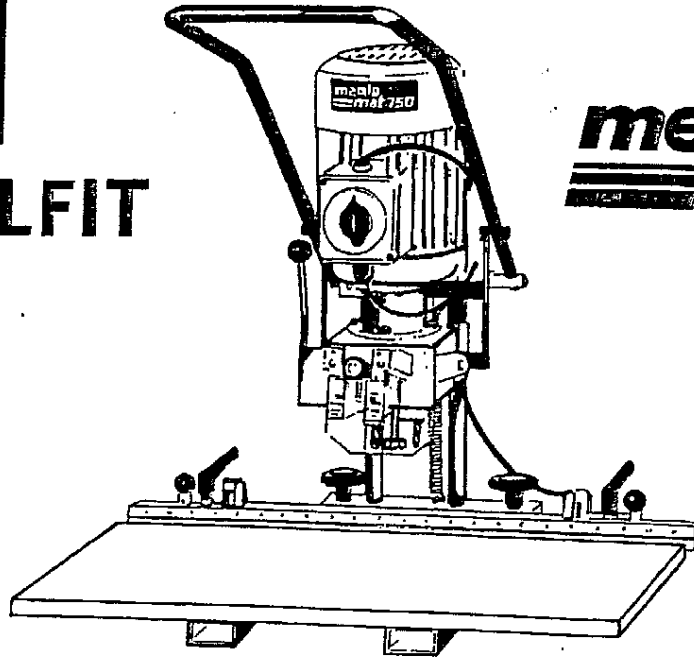


**M**  
**MEPLA-ALFIT**



**mepla**  
**mat 750**

# Manual

[www.mepla-alfit.com](http://www.mepla-alfit.com)

**mepla**  
**mat 750**

**Operational Manual**

*Dear MEPLA Customer:*

*You have purchased a state-of-the-art hinge boring and insertion machine.*

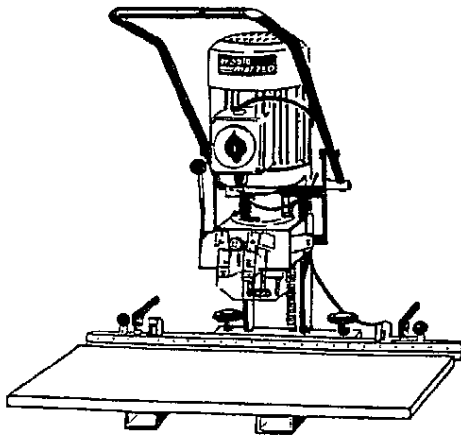
*Please read the following instructions carefully to insure a safe and trouble-free operation.*

*This machine is designed for commercial and industrial applications only and should be used ONLY by professionals, fully instructed in its proper operation.*

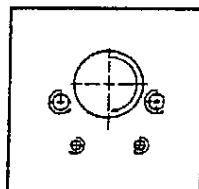
***Be sure to read all safety rules and this operational manual! Disregard of the safety rules may result in severe bodily injury!***

**Standard equipment:**

- 1 boring head (5 spindle)
- drill bits:
  - 1 x 35 mm right
  - 2 x 8 mm left
  - 2 x 5 mm right
- 1 precision fence system
- 2 fence stops
- 1 work surface table
- 1 hinge insertion ram



Ref. no.  
490.105.00.0501



2 chucks left  
3 chucks right

**Technical details:**

- power supply:
  - 115 V, 60 Hz, 1phase
- revolutions (rpm) 3.430 min<sup>-1</sup>
- motor output:
  - 0.8 kw, (1hp), 12.5 Amp

- weight: 70 lbs
- height: 820 mm (32 1/4")
- width: 600 mm (23 5/8")
- depth: 500 mm (19 3/4")

**Optional equipment:**

- extension ruler, left
  - ref. no.:949.980.01.5012
- extension ruler, right
  - ref. no. 949.980.01.5112
  - (individ. length 1200 mm)

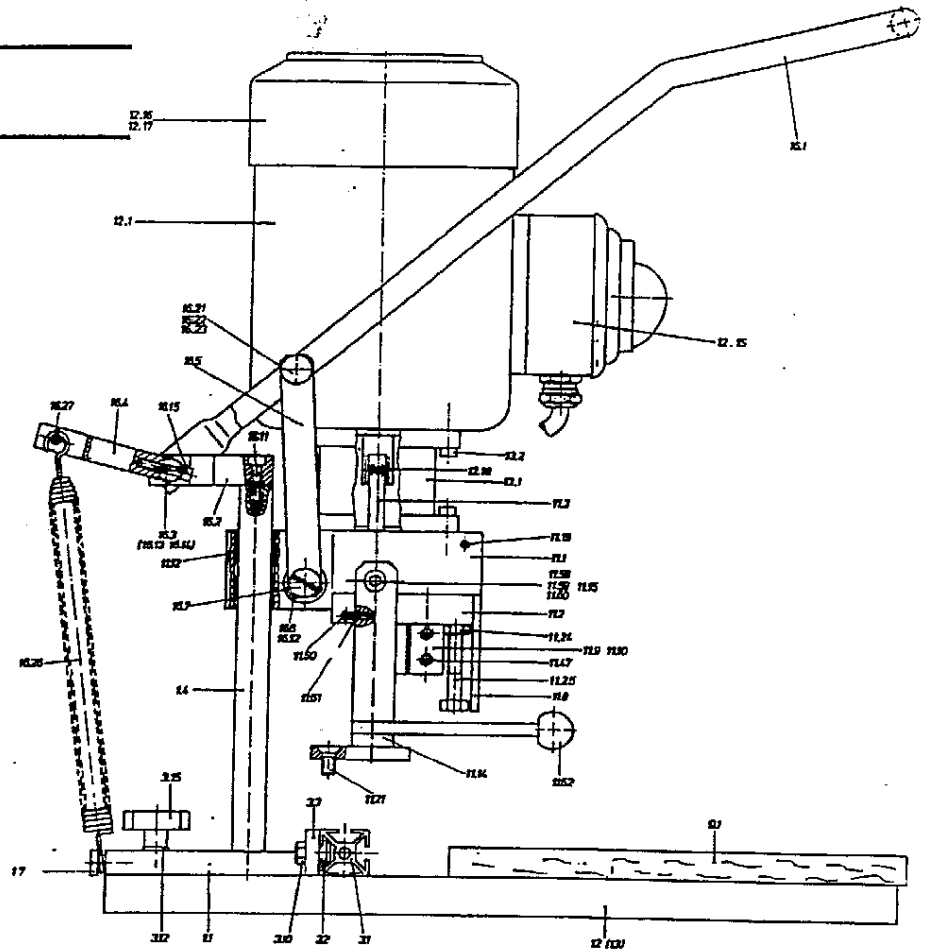
<b>Technical Data .....</b>	<b>3</b>
<b>Description of Parts .....</b>	<b>6, 7, 8, 9, 10, 11</b>
<b>Read Before You Start Operating! .....</b>	<b>12, 13</b>
<b>Unpacking the Machine .....</b>	<b>14</b>
<b>Start-up Procedure.....</b>	<b>15, 16, 17</b>
<b>Set-up Procedure (Hinges).....</b>	<b>18, 19</b>
<b>Boring and Insertion (Hinges) .....</b>	<b>20, 21</b>
<b>Set-up Procedure (Mounting Plates).....</b>	<b>22</b>
<b>Boring for Mounting Plates .....</b>	<b>23</b>
<b>Changing the Boring Depth Adjustment.....</b>	<b>24</b>

---

<b>Changing Drill Bits .....</b>	<b>24</b>
<b>Insertion Ram .....</b>	<b>25</b>
<b>Insertion Ram Lever.....</b>	<b>26</b>
<b>Maintenance and Care .....</b>	<b>26</b>
<b>Trouble Shooting .....</b>	<b>27</b>
<b>Limited Warranty .....</b>	<b>28</b>
<b>Owner Registration Card .....</b>	<b>insert page 28</b>

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**Description of Parts**



**Description of Parts**

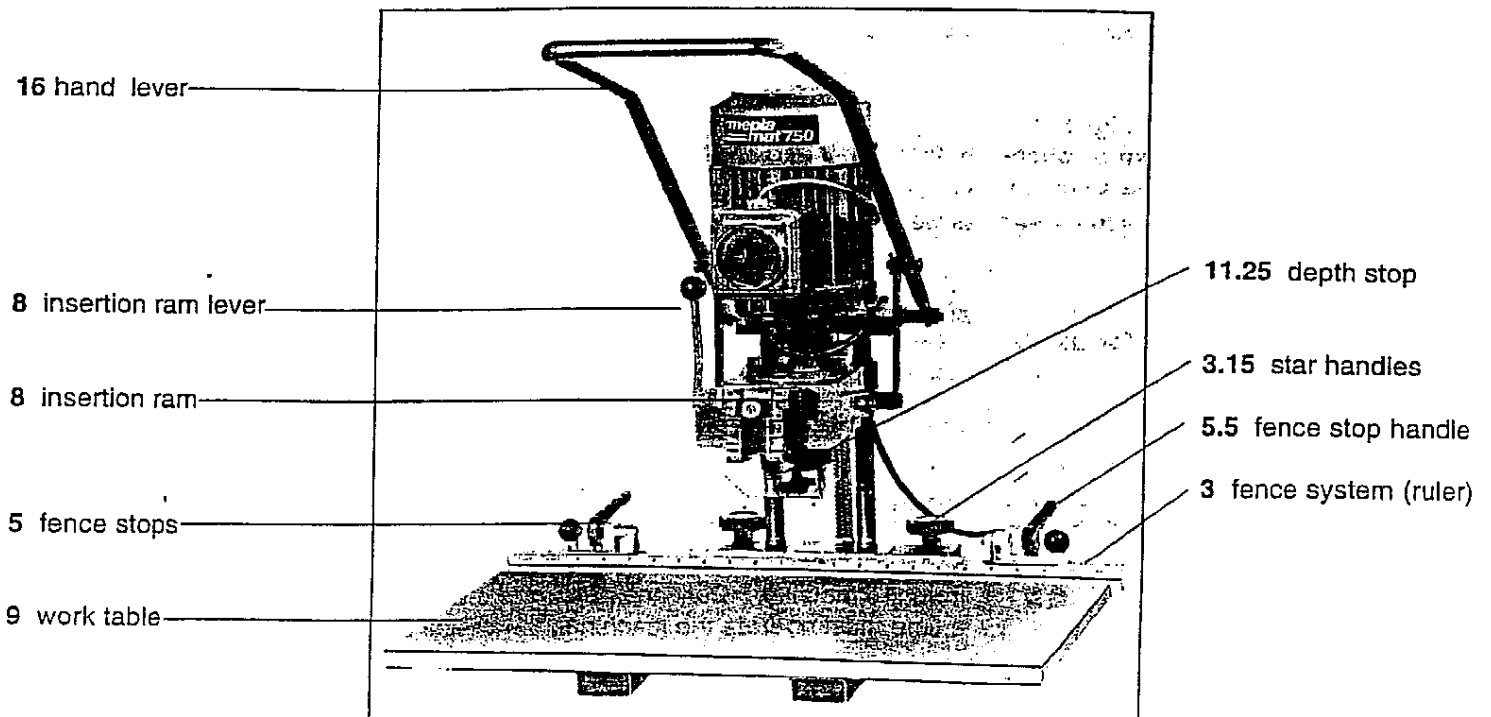
No.	Description	Reference Number	No.	Description	Reference Number
1.	Base frame	949.324.08.7564	3.7	Round-headed notched nail	718.312.20.0500
1.1	Plate	748.365.06.0064	3.10	Hex screw	702.326.08.1600
1.2	Support track left	748.300.30.5064	3.12	Washer	742.395.08.2500
1.3	Support track right	748.300.30.5164	3.15	Star Handle	748.022.79.0862
1.4	Column	748.322.81.2000	5.	Fence stop, left hand	949.200.01.5055
1.7	Clamp screw	748.305.19.0507	5.1	Fence stop body	748.200.20.0000
1.10	Nut	736.393.12.0200	5.2	Flip-stop	748.200.15.0000
1.11	Washer	742.395.13.2500	5.3	Groove stone	604.200.01.0000
1.13	Allen screw	703.306.08.1600	5.4	Flat head screw	711.300.50.0300
1.14	Washer	742.395.08.3500	5.5	Handle	748.040.10.1555
1.15	Double scale	748.310.13.7500	5.6	Ball knob	748.040.11.2562
1.16	Round-headed notched nail	718.312.20.0500	5.7	Allen screw	703.306.06.1000
1.20	Name plate	748.980.03.7562	5.	Fence stop, right hand	949.200.01.5162
3.	Fence System 750	949.900.14.7512	5.1	Fence stop body	748.200.20.0000
3.1	Fence ruler	748.922.65.0012	5.2	Flip-stop	748.200.15.0000
3.2	Groove stone	604.200.01.0000	5.3	Groove stone	604.200.01.0000
3.3	Fence bracket	748.345.07.7564	5.4	Flat head screw	711.300.50.0300
3.6	Dial	748.975.31.7500	5.5	Handle	748.040.10.1562
			5.6	Ball knob	748.040.11.2562

5.7	Allen screw	703.306.06.1000	9.	Working table 750	949.600.15.7591
8.	Insertion ram for standard 35 mm cup hinge -standard equipment-	949.016.02.0062	9.1	Working table	748.680.01.7591
			9.2	Spax-screw	707.334.01.7011
8.1	Insert (bottom)	748.017.55.0062	11.	<b>Gear box</b>	<b>949.304.13.7564</b>
8.2	Receiving segment	748.200.08.0000	11.1	Gear-box housing	748.305.22.0164
8.6	Screw	704.300.41.6015	11.2	Gear-box lid	748.905.22.0200
8.7	Lip ring	748.045.03.2062	11.3	Driving pinion	748.300.31.7505
8.8	Screw	704.300.41.6015	11.4	Pinion	748.370.12. . .05
8.	Insertion ram for wide angle 35mm cup hinge (Function 61, 65, 78, etc.) - can be ordered separately -	949.016.04.0451	11.5	Pinion	748.370.12. . .05
			11.8	Guard	748.005.23.7500
8.1	Insert	949.016.02.0062	11.9	Receptacle sleeve right	748.300.35.5107
8.5	Insertion ram	748.017.52.0062	11.10	Receptacle sleeve left	748.300.35.5007
8.9	Ball point screw	748.322.74.0600	11.12	Sintered bushing	748.875.32.2000
8.10	Spring cotter pin	718.308.25.1400	11.14	Swivel Arm	748.375.33.7564
8.11	Dowel pin	716.313.04.0000	11.15	Flange bushing	748.305.25.7507
			11.19	Spring cotter pin	718.308.40.2500
			11.21	Countersunk	703.336.08.1600
			11.24	Nut	702.020.10.6051
			11.25	Depth stop	736.393.10.0200
			11.41	Axial ball bearing	748.355.01.5000

11.42	Grooved ball bearing	748.370.08.0400	12.17	Hood for motor	748.050.01.7564
11.43	Grooved ball bearing	748.370.08.0500	12.18	Spring cotter pin	718.308.35.2000
11.44	Grooved ball bearing	748.370.08.0600	13.	<b>Intermediate flange</b>	<b>949.944.01.7564</b>
11.45	Allen screw	703.306.06.2000			
11.47	Threaded pin	718.310.08.0600	13.1	Motor Bracket	748.950.03.6564
11.49	Snap ring	742.395.08.3100	13.2	Allen screw	703.306.06.2000
11.50	Dowel pin	718.307.07.3000	13.3	Allen screw	703.306.06.2000
11.52	Countersunk screw	703.336.06.1600	13.4	Washer	742.395.06.2600
11.58	Allen screw	703.306.08.3000	13.5	Washer	742.395.06.2600
11.59	Spring washer	742.395.08.3000	16.	<b>Hand lever</b>	<b>949.328.02.7507</b>
11.60	Disc	742.395.08.2600			
11.61	Threaded pin	718.310.05.1200	16.1	Handle	748.332.61.7507
11.62	Ball knob	748.040.11.2662	16.2	Plate	748.365.05.0007
12.	<b>Motor</b>	<b>949.344.02.0164</b>	16.3	Axle	748.300.29.7507
12.2	Motor	949.344.02.0564	16.4	Pivot arm	748.332.60.7507
12.7	Wire connector	748.040.17.0050	16.5	Link	748.345.06.7507
12.9	Label	748.000.36.7564	16.6	Distance piece	748.310.12.7507
12.11	Direction label (arrow)	748.010.05.0055	16.7	Flange bushing	748.305.19.0507
12.13	Label	748.000.36.0.67	16.11	Allen screw	703.306.06.2500
12.15	Switch	949.368.06.7564	16.12	Hex screw	703.306.08.1600
12.16	Fan for motor	748.045.04.7562	16.13	Hex nut	736.393.10.0200

16.14	Washer	742.395.10.2600	18.	Set of drill bits (standard equipment)	949.304.17.0750
16.15	Allen screw	703.306.06.2000	18.1	Drill bit 35mm	748.340.00.3562
16.19	Spring cotter pin	718.308.40.2500	18.2	Drill bit 8mm	748.310.01.0855
16.21	Head bolt	748.305.24.3107	18.3	Drill bit 5mm	748.310.00.0562
16.22	Cotter pin	718.313.32.2500			
16.23	Disc	742.395.10.3600			
16.26	Tension spring	748.395.08.1800			
16.27	Spring cotter pin	718.308.40.1500			
<b>17.</b>	<b>Optional accessories</b>	<b>949.968.10.0750</b>			
17.6	Drill bits for pilot holes	748.310.01.0250			
17.7	Drill bits for pilot holes	748.310.01.0350			
17.9	Drill chuck	748.305.14.2500			
17.10	Drill chuck	748.305.14.3500			
17.12	Drill bits 20mm	748.340.00.2062			
17.13	Drill bits 25mm	748.340.00.2562			
17.14	Drill bits 26mm	748.340.00.2662			
17.15	Drill bits 30mm	748.340.00.3062			
17.16	Drill bits 40mm				

10 MEPLA



11 MEPLA

**Safety Rules:**

This machine is designed for commercial and industrial applications only, and should be used by professionals, fully trained in its operation.

It is not intended for use by consumers.

Before connecting your machine to a Power Source, be sure to read ALL Safety Rules and the Operational Manual!

1. **Keep work area clean!** Cluttered areas and work stations increase the chance of accidents.
2. **Protect yourself from electric shock.** Do not use power tools in damp or wet locations, or expose them to rain.
3. **This machine is equipped with an electrical plug.** Any repair or replacement should be done by a qualified electrician.
4. **Consider environmental factors and local laws** when setting-up and operating this machine.
5. **Keep unauthorized people away from the machine.** Only one person at a time must operate the machine.
6. **Do not operate devices and tools** beyond their capacity. They work more effectively and safer at reasonable power ranges and speeds.
7. **Keep hands out of path of drill bits.**
8. **Never attempt to operate machine without the guards in place.**
9. **Wear proper eye and face protection** when operating the machine.
10. **Wear proper clothing.** Do not wear shirts with bulky sleeves that could be caught in moving parts.
11. **Do not wear jewelry when operating the machine.** Individuals with long hair should wear a hairnet or protect the hair from moving parts.

12. Do not use electrical cables for purposes other than those originally intended.

13. Protect electrical cables from heat, oil, traffic, sharp edges, etc.

14. Maintain tools with care. Keep tools sharp, clean, and organized for best and safest performance. Follow instructions for changing accessories.

15. Do not over reach. Keep proper footing and balance at all times.

16. Before every use of the machine, make sure that all safety devices and parts of the machine function properly.

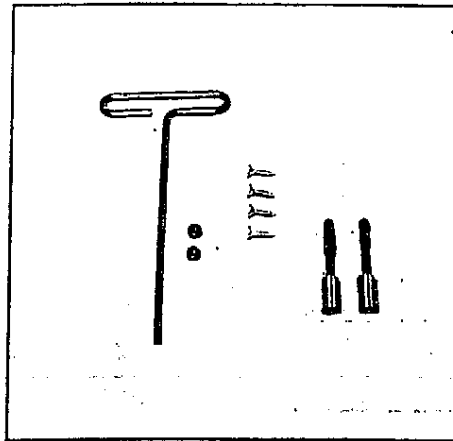
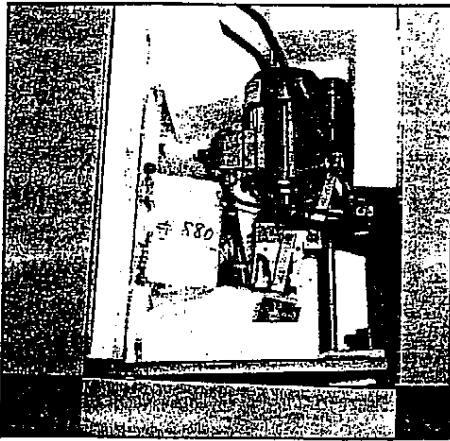
17. All accessories and attachments must be installed as described in

the manual to assure a proper and safe operation of the machine.

18. Any defective safety devices and accessories have to be repaired or exchanged.

**CAUTION!** For your own safety, use only those accessories which are recommended or indicated in the instruction sheets.

**WARNING!** Always turn off the on/off switch and unplug the machine when changing tools or during maintenance! Never leave a running machine unattended!

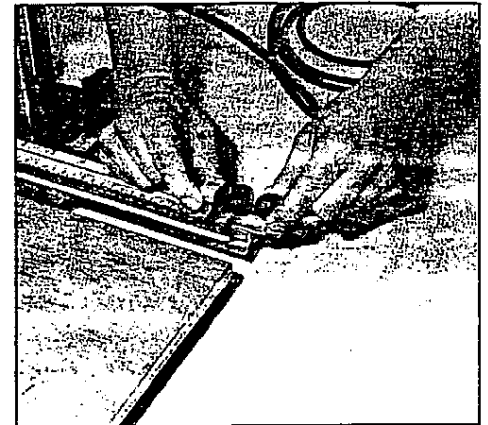
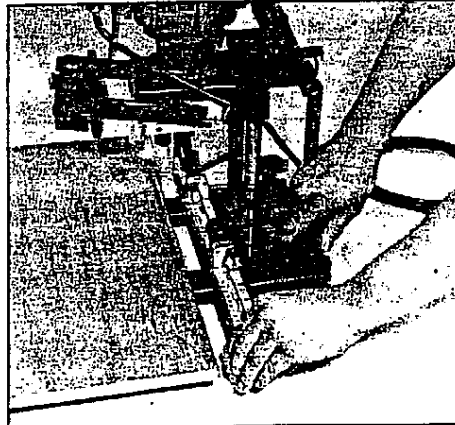
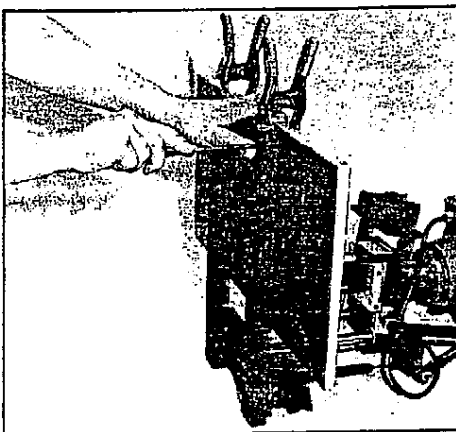


**CAUTION!** Please remove the machine carefully from the carton since the drill bits have been factory installed!

**Note:** Please keep the carton for safe storage of the machine or eventual shipping purposes.

Additional parts supplied with machine:

- 1 M4 T-handle Allen wrench
- 2 Sets of screws for drill chucks
- 2 5 mm drill bits
- 4 Wood screws for work table installation



1. Carefully lay machine on its back, clamp the work table (9) to the stand and fasten it with the supplied 4 wood screws. The work table must be mounted flush with the front of the stand. Then set machine upright on its stand. The machine must be mounted to a work bench for safe operation.

2. Loosen the star handles (3.15) and slide the fence system (3) in its position. After installation secure the fence by tightening of the star handles.

3. Slide the fence stops (5) on the ruler (3) and tighten with the fence-stop handle (5.5). After tightening, pull the handle upwards and turn the handle facing the back of the machine.

**Note:** Drill bits have been installed in the hinge boring pattern.