

ME-500/ME-650 Engraving Plotters

Main Features

ME-500

ME-650

- Maximum engraving areas of 483×305mm(19×12") and 650×440mm(25.6×17.3")
- Supports HP-GL*1 commands for compatibility with various sign-making and CAD software.
- Simultaneous 3-axis linear interpolation enables smooth and speedy 3D engraving.
- Engraves on metals as well as plastics.
- Rigid construction and precisely controlled servo motors for all X, Y and Z axes for accurate engraving.
- Software controllable spindle height adjustment makes multi-pass engraving easy.
- Material height sensor eliminates need for manual adjustment of spindle height and ensures engraving at constant depth.
- A pen*2 can be attached for test-drawing before engraving.
- Z-stroke of 60mm (2.4") for engraving on thick materials.
- One megabyte memory buffer allows repeat engraving and also frees computer for another job quickly.



Engraving Plotters ME-500/ME-650



Maximum engraving areas: 483×305mm (19×12"), 650×440mm (25.6×17.3")

Long materials can be set along the front-back direction. Maximum material widths are 650mm (25.6") for the ME-500 and 750mm (29.5") for the ME-650.

HP-GL*1 compatible

Most of sign-making and CAD software programs for both PC and MAC support HP-GL. The ME-500 / ME-650 can be driven by these programs.

3D-Engraving

Simultaneous 3-axis linear interpolation enables smooth and speedy 3D engraving.

Wide variety of materials

The ME-500/ME-650 can engrave on metals as well as plastics.

Accurate engraving

Rigid construction and servo control technologies of Mimaki accumulated through years of developing and manufacturing of drafting and cutting plotters allow the ME-500 / ME-650 to engrave very accurately. All X, Y and Z axes are servo motor driven for maximum precision.

Automatic material height sensing and constant depth engraving

Material height sensor eliminates need for manual adjustment of spindle height and ensures constant depth engraving on a material with uneven thickness

Test-drawing with pen

Optional pen can be attached to test-draw before actually engraving. (Optional pen holder is required to install the pen.)

Spindle can move up to 60mm (2.4") above table and allows materials of up to 50mm (2.0") to be set.

Software controllable spindle height adjustment

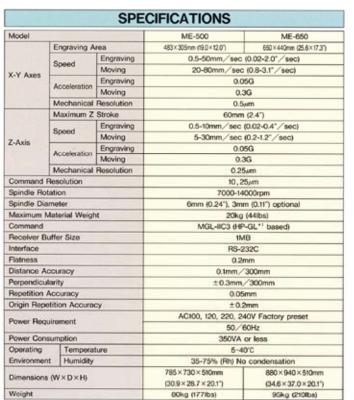
Spindle height adjustment can be done through software as well as from the ME-500/ME-650's handy operation panel, which makes multi-pass engraving easy.

Large memory buffer

A computer can send jobs to the ME-500/ME-650's one megabyte memory buffer without waiting for the ME-500/ME-650 to finish engraving. The computer therefore can be used for another job while the ME-500 / ME-650 are engraving. Also, data stored in the memory can be used to engrave the same job.

Handy operation panel

Operation panel is separated from the main body for ease of use. All electrical circuitry is contained in the main body and the handy operation panel.



The specifications are subject to change without prior notice











Chip removal attachment and adaptor

The ME-500/ME-650 are equipped with a chip removal attachment and an adaptor to a vacuum pump. Typical vacuum pump*3 can be easily attached to the adaptor. Optional Vacuum Pump Controller turns on/off power to the vacuum pump so it will run only when engraving.

SUPPORTING TOOLS AND ACCESSORIES

SPA-0014 Pen Holder for DU-23

SPA-0015, 0016 Chip Removal Attachment (26.0, 11.0mm diameter)

SPA-0019 Clamp tool

SPA-0021, 0024, 0032 : Engraving Cutter Holder (6mm, 3mm & 1/4 inches diameter)

SPA-0026 : Holder for BS Tapered Shank Cutter SPB-0010, 0014, 0015 : Engraving Cutter (0.4, 0.2, 1.0mm)

SPB-0016 Braille Cutter SPB-0017, 0026 End Mill (2.0, 1.0mm)

SPB-0018 Ballnose End Mill (1.0mm)

SPA-0028*4 Modification Kit for BS Tapered Shank Spindle Type

OPT-C0078, C0081 Vacuum Pump Controller (120V, 220V AC)

OPT-C0090 Adaptor Kit for Kavo High Speed Spindle Vacuum Table (ME-500)

OPT-C0094 Ball-Point Pen (Used with SPA-0014, 0020)

DU-23 SPC-0067, 0068 Gluefilm (For ME-500, 650)

SPC-0024 Spindle Motor Brush

SPA-0025 : Chip Removal Attachment for Modeling Purpose

*1 HP-GL is a trademark of Hewlett-Packard Co.

*2 Pen and pen holder are optional.

*3 Vacuum pump is not included, *4 BS Tapered Shank Spindle is suitable for highly precise engraving.

For this spindle, the following accessories are available.

SPA-0020

Pen Holder for DU-23

SPA-0017

Chip Removal Attachments (3.0 & 9.0mm diame

SPA-0022

: Holder for 3mm Diameter Straight Type End Mill

SPB-0025, 0019, 0020, 0021

Engraving Cutter (0.1, 0.2, 0.4, 1.0mm)

SPB-0027, 0022, 0023 End Mill (1.0, 2.0, 3.0mm)