

# **MITSUBISHI**

## **NC-EDM SYSTEMS**

**EA Series  
Instruction Manual  
Supplement**

 **MITSUBISHI ELECTRIC CORPORATION**

BRN-51611-B

# Contents

|  |           |
|--|-----------|
| <b>1. Introduction .....</b>   | <b>1</b>  |
| <b>2. Precautions for installation.....</b>                            | <b>2</b>  |
| <b>2.1 Person in charge of installation</b>                            |           |
| <b>2.2 Allocation of space for maintenance and inspection</b>          |           |
| <b>2.3 Installation and working environment</b>                        |           |
| 2.3.1 Temperature  |           |
| 2.3.2 Humidity   |           |
| 2.3.3 Atmosphere   |           |
| 2.3.4 Vibration  |           |
| 2.3.5 Power supply voltage and capacity                                |           |
| 2.3.6 Grounding  |           |
| 2.3.7 Shielded room  |           |
| 2.3.8 Magnetic noise   |           |
| 2.3.9 Static electricity   |           |
| 2.3.10 Radiation   |           |
| 2.3.11 Others  |           |
| <b>3. Precautions before use .....</b>                                 | <b>5</b>  |
| <b>3.1 Instruction Manuals</b>   |           |
| <b>3.2 Dielectric fluid</b>  |           |
| <b>4. Precautions for use .....</b>                                    | <b>6</b>  |
| <b>4.1 Instruction Manuals</b>   |           |
| <b>4.2 Limits to workers</b>   |           |
| <b>4.3 Observation of specifications</b>                               |           |
| <b>4.4 Prevention of fires</b>   |           |
| <b>4.5 Prevention of dielectric fluid leaks</b>                        |           |
| <b>4.6 Prevention of electric shocks</b>                               |           |
| <b>4.7 Prevention of injuries</b>                                      |           |
| <b>4.8 Emergency stop button</b>                                       |           |
| <b>4.9 Manual operation box</b>  |           |
| <b>4.10 Dielectric fluid</b>   |           |
| <b>4.11 Prohibition of modifications</b>                               |           |
| <b>5. Precautions for maintenance and inspection .....</b>             | <b>11</b> |
| <b>5.1 Maintenance and inspection methods</b>                          |           |
| <b>5.2 Limits to maintenance and inspection workers</b>                |           |
| <b>5.3 Scope of maintenance and inspection</b>                         |           |
| <b>5.4 Consumable parts</b>  |           |
| <b>5.5 Treatment of waste</b>  |           |
| <b>5.6 Precautions for cleaning</b>                                    |           |
| <b>5.7 Others</b>  |           |
| <b>6. Measures for faults and abnormalities .....</b>                  | <b>12</b> |
| <b>6.1 Prevention of use during faults and abnormalities</b>           |           |
| <b>6.2 Measures for faults</b>   |           |
| <b>7. Precautions for product storage and long-term stoppage .....</b> | <b>12</b> |
| <b>8. Precautions when changing installation site .....</b>            | <b>12</b> |
| <b>9. Precautions regarding treatment of waste .....</b>               | <b>12</b> |