

**PARTS MANUAL**  
**MACHINING CENTER**  
**MC1510**



**MAKINO MILLING MACHINE CO., LTD.**

# PARTS MANUAL

SPINDLE HEAD UNIT

5M 10B

TAPER SHANK



MAKINO MILLING MACHINE CO., LTD.

# PARTS MANUAL

## MC 1510

### SPINDLE THROUGH COOLANT UNIT

5M 11B



MAKINO MILLING MACHINE CO., LTD.

# PARTS MANUAL

99TOOL ATC UNIT

5M 62A



MAKINO MILLING MACHINE CO., LTD.

# PARTS MANUAL

## MC 1510

### PALLET CHANGER UNIT

#### 5M 120A



MAKINO MILLING MACHINE CO., LTD.

# PARTS MANUAL

**MC 1510**

**COLUMN UNIT**

**7M 21A**



**MAKINO MILLING MACHINE CO., LTD.**

# PARTS MANUAL

## MC 1510

### REAR BED UNIT

#### 7M 30A



**MAKINO MILLING MACHINE CO., LTD.**

# PARTS MANUAL

## MC 1510

### FRONT BED UNIT

7M 40A



**MAKINO MILLING MACHINE CO., LTD.**

# **PARTS MANUAL**

## **MC 1510**

### **NC ROTARY TABLE UNIT**

#### **7M 53A**



**MAKINO MILLING MACHINE CO., LTD.**