



## Mizushima Ferroalloy Period (1964 to Present)

1964

**Nov.** Established

1965

**Sept.** Started operation of No.1 electric furnace

1968

**Mar.** Started operation of No.2 electric furnace

1970

**Sept.** Started operation of No.3 electric furnace

1978

**Dec.** Started operation to manufacture medium- and low-carbon ferromanganese with shaking ladle

1984

**Aug.** Discontinued operation of No.4 electric furnace

1985

Discontinued operation of No.1 and 3 electric furnaces

1986

**Dec.** Discontinued operation of No.2 electric furnace

1987

**Apr.** Started production of medium- and low-carbon ferromanganese via direct  
**Oct.** decarbonization process (SL)

1997

**Jan.** Established a joint venture [Cato Ridge Alloys (PTY) Ltd.] in South Africa

2012

**Oct.** Started operation of boron nitride (BN) facilities (under contract)  
**Nov.**