



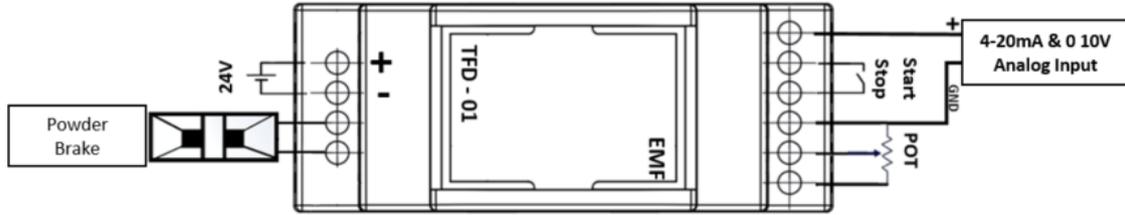








NOTE: To measure the voltage value at the output, it is necessary to connect the multimeter device in parallel.



## Possible Malfunctions And Repairs

Possible Malfunctions	Repairs
Magnetic powder may lose its properties over time depending on the frequency of use.	The powder that loses its magnetic properties should be replaced and new magnetic powder should be used.
Magnetic powder may accumulate and get stuck between the rotor and stator over time.	Magnetic powder is replaced. Rotor and stator must be cleaned.
Damage to the rotor and stator parts may occur due to magnetic powder jamming.	Magnetic powder is replaced. The damaged part of the rotor and stator parts can be replaced.
Magnetic powder may have decreased or escaped.	Magnetic powder must be added.
Failure to operate at the appropriate voltage value may occur.	The coil may be damaged. The coil may need to be replaced.
High temperature value	Forced fan can be used as an option.
Heating of bearings due to high temperature and leakage of bearing lubricants	Replacing the bearings in the covers and installing new bearings
The powder tire may be worn and damaged depending on the conditions of use (humid environment, temperature, powder compression, etc.)	The powder tire at the top and bottom of the rotor can be replaced.

## SYSTEM ASSEMBLY

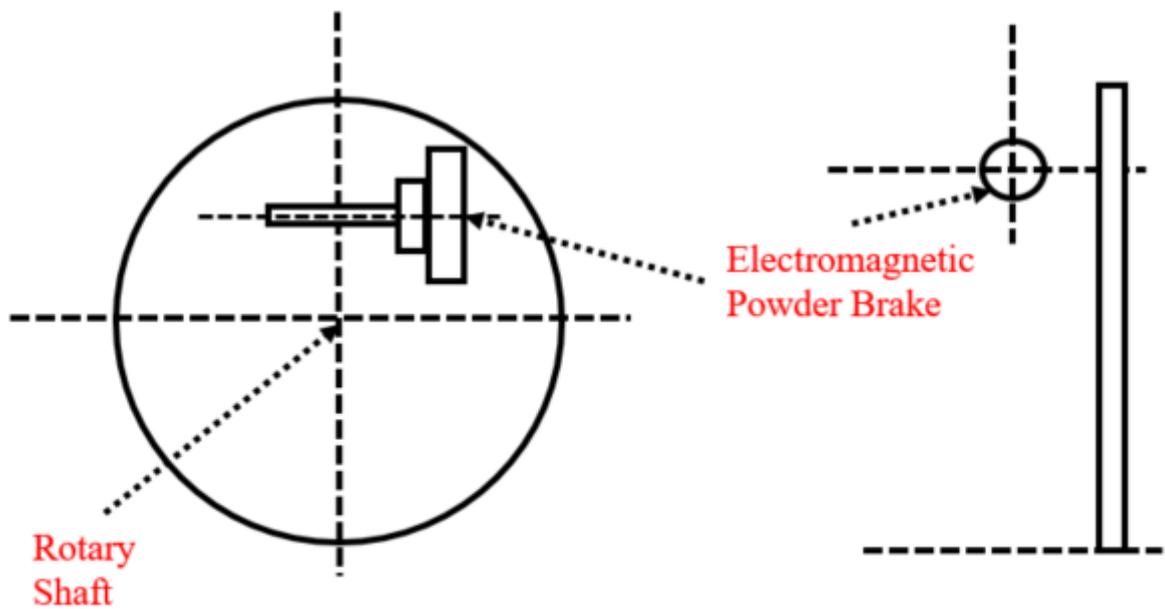
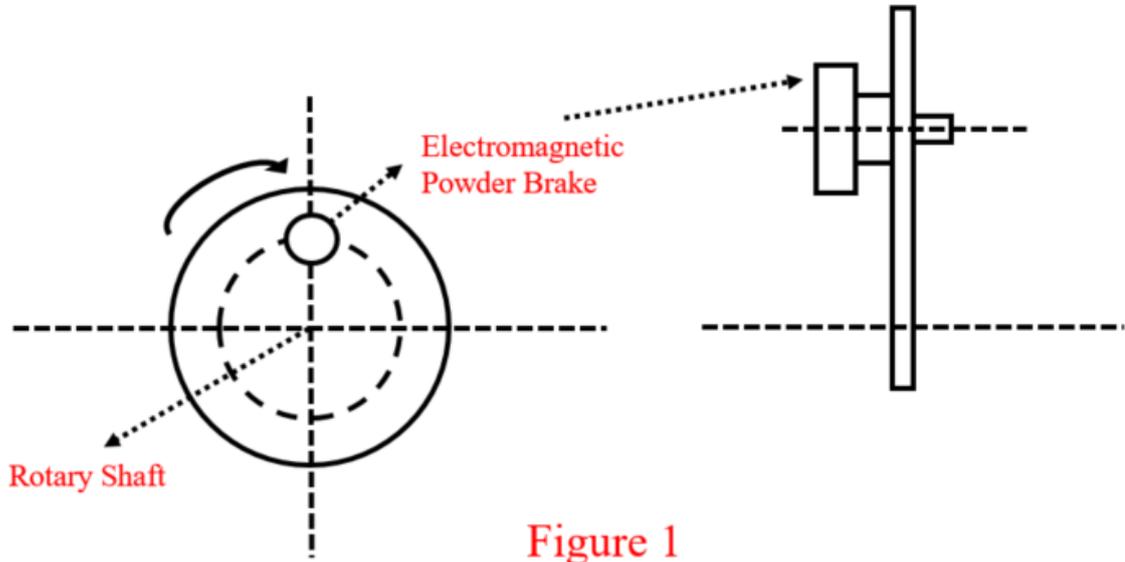
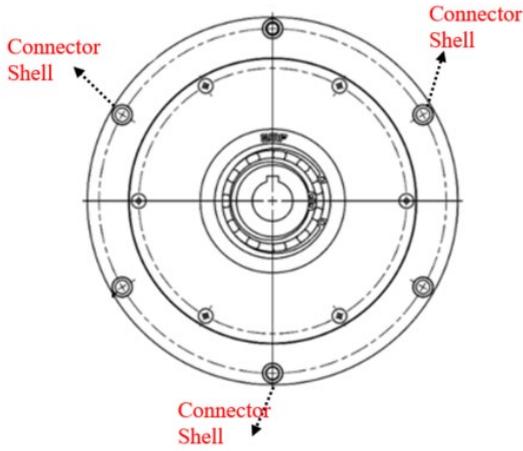
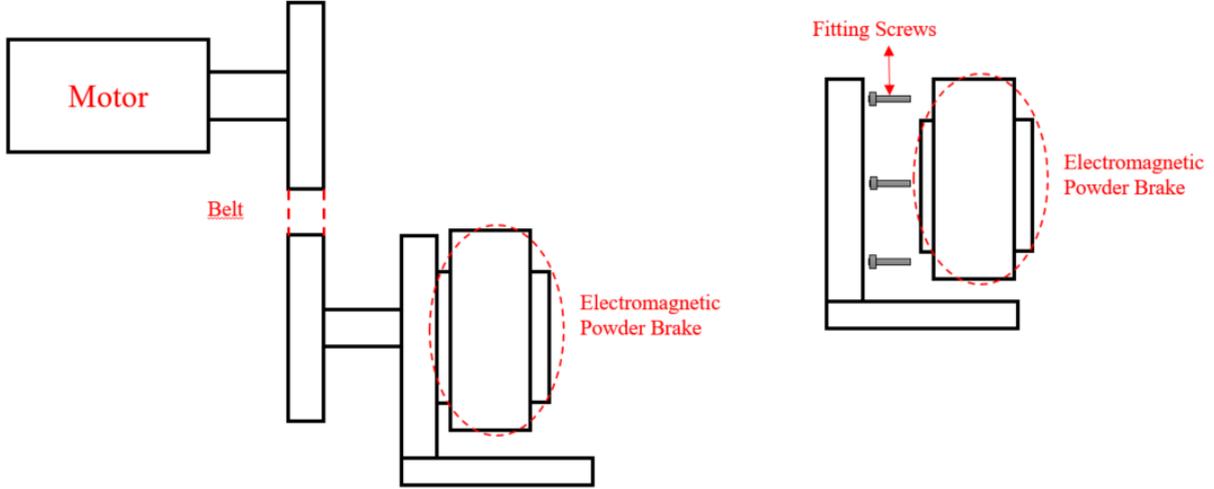


Figure 1 and Figure 2 show two different representations for mounting a powder brake on a bending machine. The most important reason for giving two different representations is that the connection method in Figure 2 is incorrect. Because centrifugal force<sup>1</sup> is applied to the powder brake in the axial direction.

1. What is centrifugal force? The force that forces rapidly rotating materials to move to a periphery around the center of rotation.



Our dusty brake and clutch products can be easily connected to the systems through the connection slots. Please consider the dimensional values in the catalog.

ABTF – ABTK	Measure Values
01	M5x3
02	M6x3
03	M6x3
04	M6x3
05	M8x6
06	M10x6
07	M10x6
08	Upon request.