

Abstract**MAGNETIC RECORDING DEVICE AND MAGNETIC RECORDING HEAD DRIVE
MECHANISM**

Provided is a magnetic recording device which can perform high density magnetic recording by simple constitution. The magnetic recording device is provided with a disk driving device for rotating a magnetic disk; a head having a heating section for heating a circular track of the magnetic disk and a recording element for applying a magnetic field modulated by an electric signal to the magnetic disk; and a head drive device for circularly moving the head in the radius direction of the magnetic disk by rotating about a driving shaft. The recording element has a magnetism applying section that traverses any track heated by the heating section in the radius direction of the magnetic disk.

Figure 5