

Electronic Basics #24

*What is stepper motor?

=A stepper motor is a type of brushless DC motor that moves in discrete steps rather than continuous rotation

Structure:

1)Rotor

2)Stator

3)4 permanent magnets with alternating polarity (NSNS)

Stepper works step by step rotation. Generally four steps is needed to move from one teeth to another.

NEMA 17 is an example of stepper motor.

Stepper motor is used in 3D printer.