



Commercially, stepper motors are used in floppy disk drives, flatbed scanners, computer printers, plotters, slot machines, image scanners, compact disc drives, intelligent lighting, camera lenses, CNC machines, and .3D printers

A stepper motor is driven by a DC voltage applied through a driver

Arduino stepper motor control code //

include <Stepper.h> // Include the header file#

change this to the number of steps on your motor //

define STEPS 32#

create an instance of the stepper class using the steps //  
and pins

;Stepper stepper(STEPS, 8, 10, 9, 11)

;int val = 0

} ()void setup

;(9600)Serial.begin

;(200)stepper.setSpeed

{

```
} ()void loop
```

```
if (Serial.available()>0)  
    }
```

```
;()val = Serial.parseInt  
    ;stepper.step(val)
```

```
Serial.println(val); //for debugging  
    {
```

```
{
```