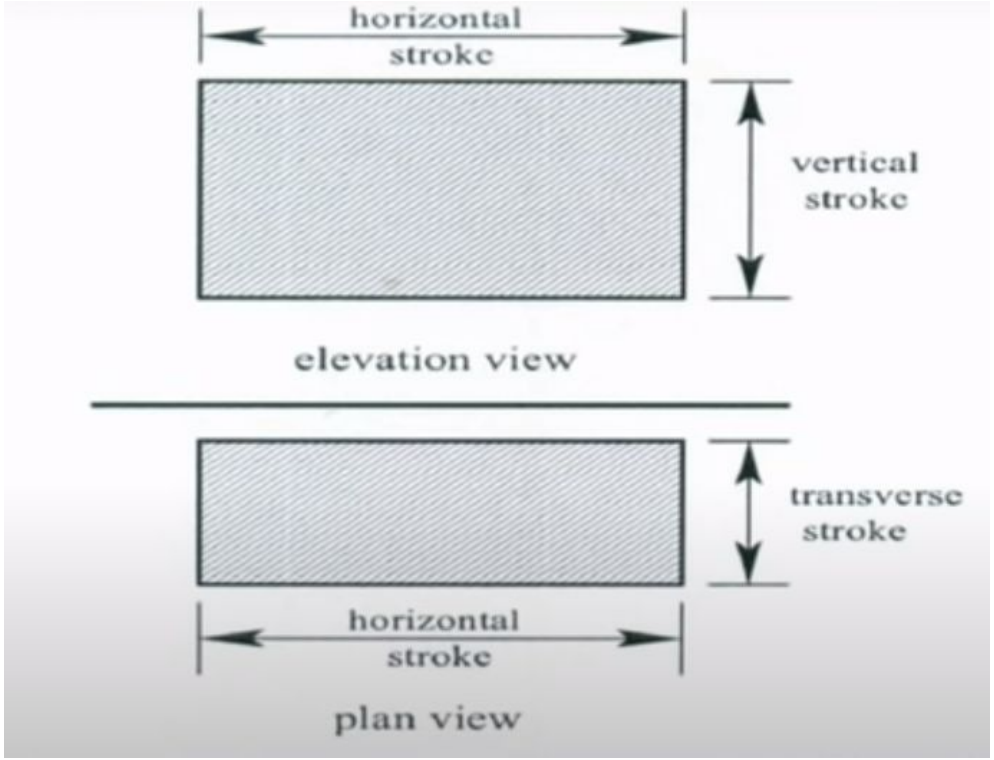
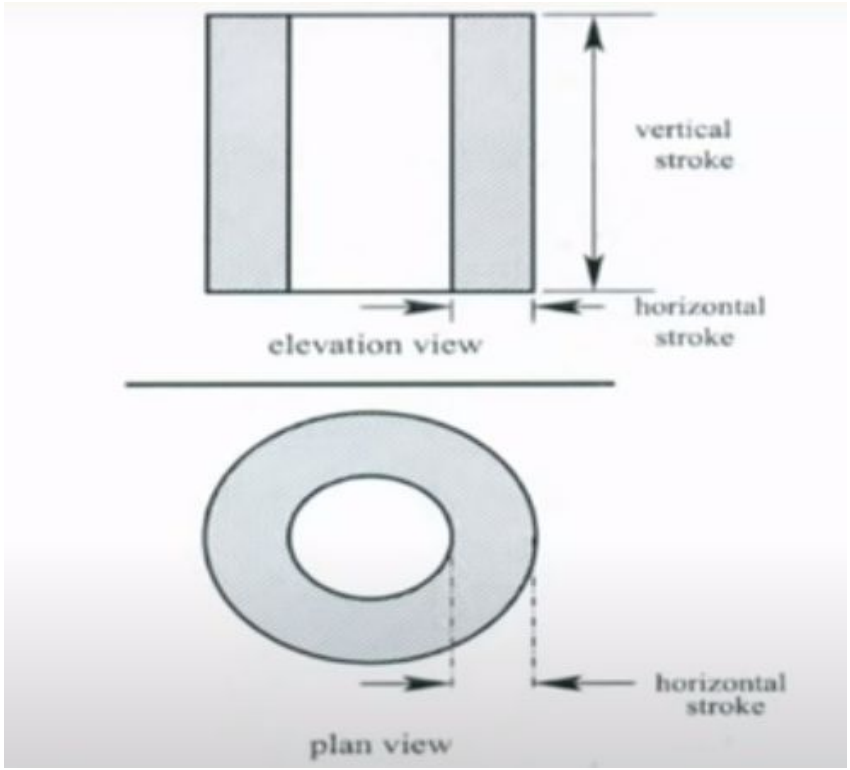
# Introduction to robots and robotics

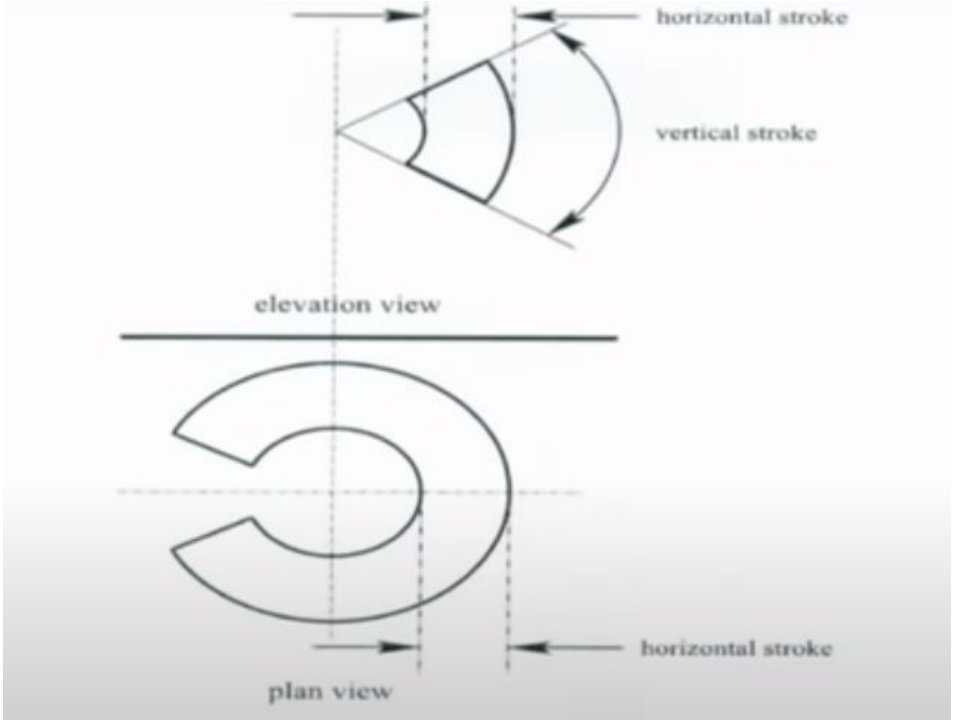
# Workspace of Cartesian Coordinate Robot



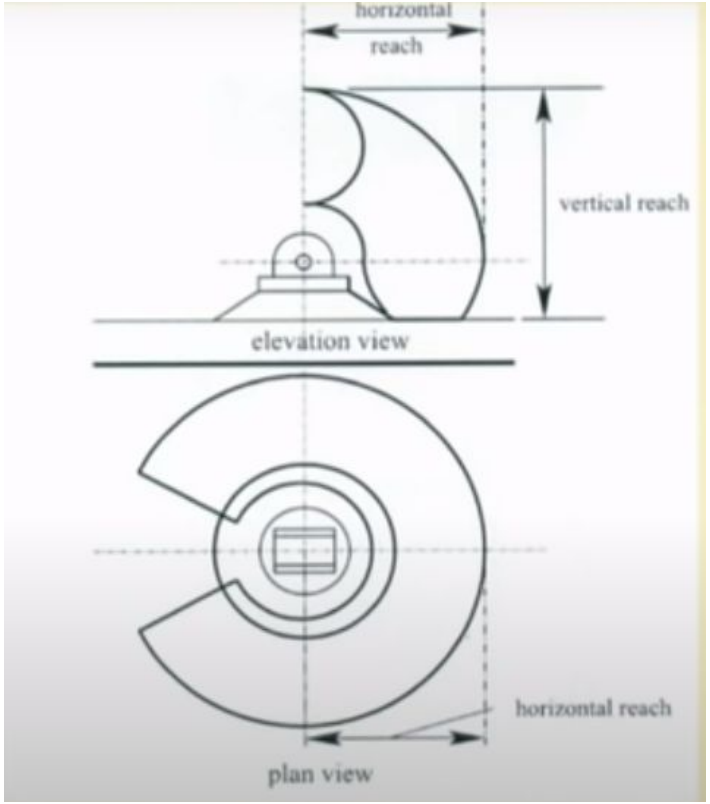
# Workspace of Cylindrical Coordinate Robot



# Workspace of Spherical Coordinate Robot



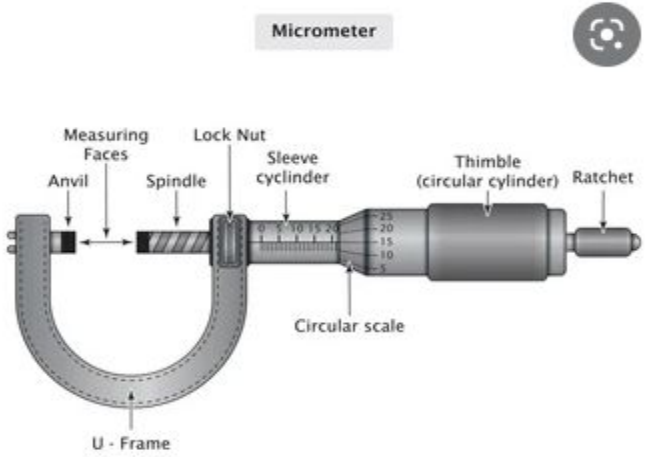
# Workspace of Revolute Coordinate Robot



# Resolution, Accuracy and Repeatability

## Resolution

It is defined as the smallest allowable position increment of a robot




## Resolution

### Programming Resolution

Smallest allowable position increment in robot programme
Basic Resolution Unit
BRU=0.01 inch/0.1 degree

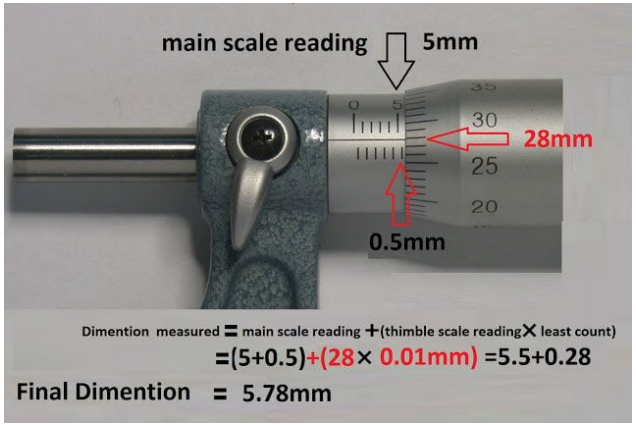
### Control Resolution

Smallest change in position that the feedback device can measure say 0.36
Degree per pulse

# Resolution, Accuracy and Repeatability

## Resolution

It is defined as the smallest allowable position increment of a robot




**Resolution**

**Programming Resolution**

Smallest allowable position increment in robot programme
Basic Resolution Unit
BRU=0.01 inch/0.1 degree

**Control Resolution**

Smallest change in position that the feedback device can measure say 0.36
Degree per pulse

# Accuracy (mm)

It is the precision with which a computed point can be reached

# Repeatability (mm)

It is defined as the precision with which a robot reposition itself to a previous taught point