

A 3D CAD model of a Z-axis stage. It consists of a tall, black vertical column with a silver cylindrical component near the top. A blue vertical beam is attached to the side of the column. At the top of the column, there is a red rectangular block with a blue circular light or lens. The entire assembly is mounted on a large, light-colored, semi-transparent base that resembles a lens or a stage platform. The background is a light gray gradient.

PREVENT THE OVERLAPPING OF PARTS BY USING

Z-AXIS STAGE



TIME
SAVER



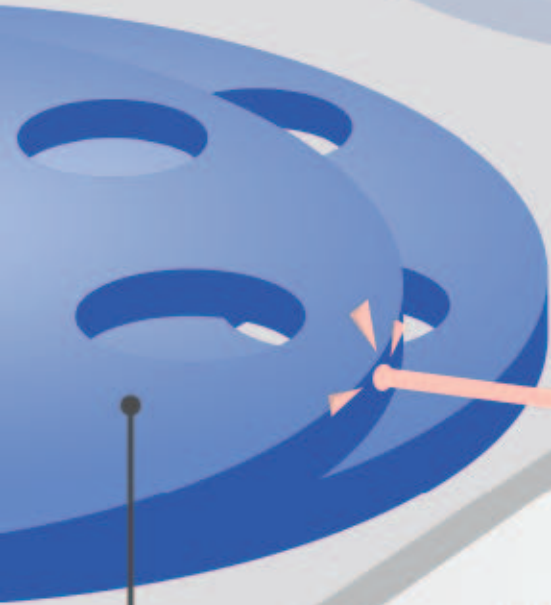
PROCESS
IMPROVEMENT



SETTING THE HEIGHT OF THE SENSOR IS INEFFICIENT AND TIME-CONSUMING.

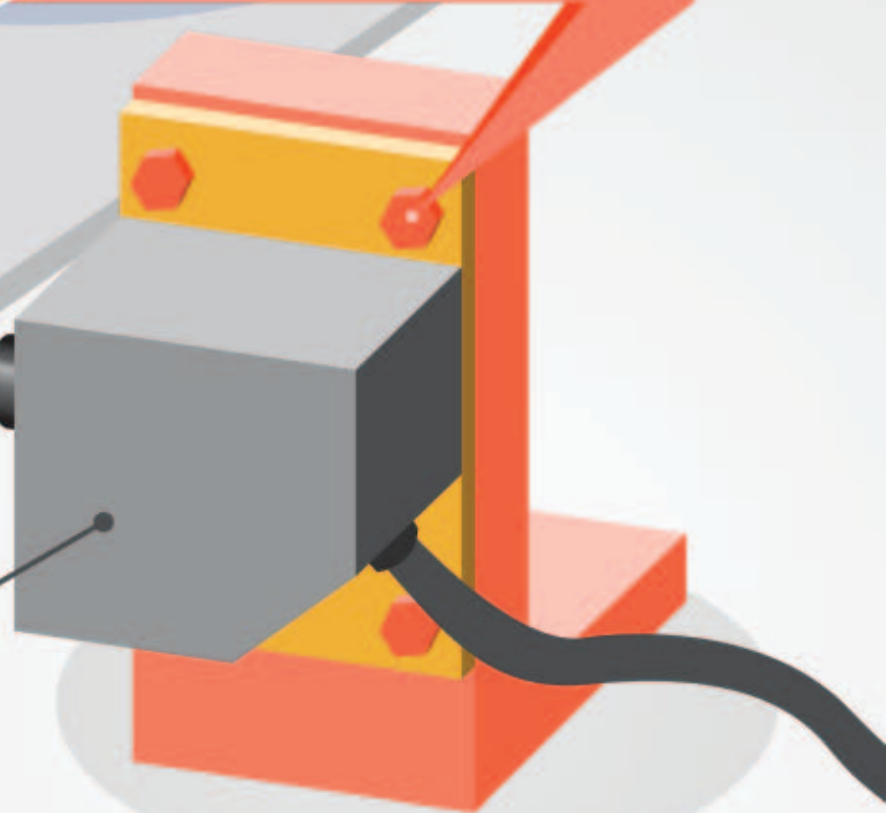


ADJUSTING THE HEIGHT IS VERY TROUBLESOME BECAUSE ALL 4 BOLTS NEEDS TO BE ADJUSTED.



WORKPIECE

SENSOR



THE BOLTS UNDERNEATH THE SENSOR ARE DIFFICULT TO ACCESS AND MORE TIME TO REMOVE.



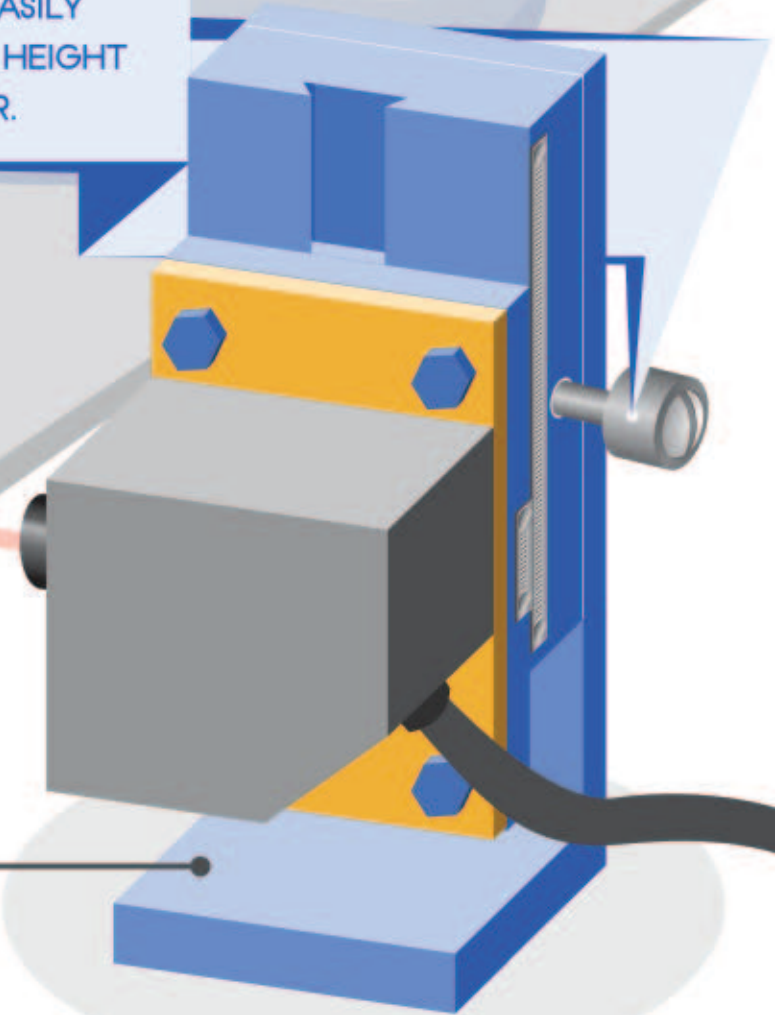
TIGHTENING OF THE BOLTS CAN ACCIDENTALLY SHIFT THE HEIGHT OF THE SENSOR.



USING THE Z-AXIS STAGE, WORK IS DONE EFFICIENTLY IN A SHORT PERIOD OF TIME.



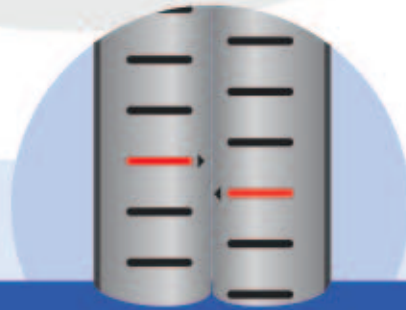
THE HANDLE EASILY ADJUSTS THE HEIGHT OF THE SENSOR.



Z-AXIS STAGE



TURNING THE CLAMP LEVER SECURES THE CURRENT ADJUSTMENT AVOIDING ERRORS.

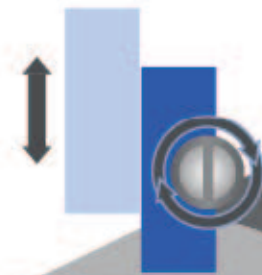
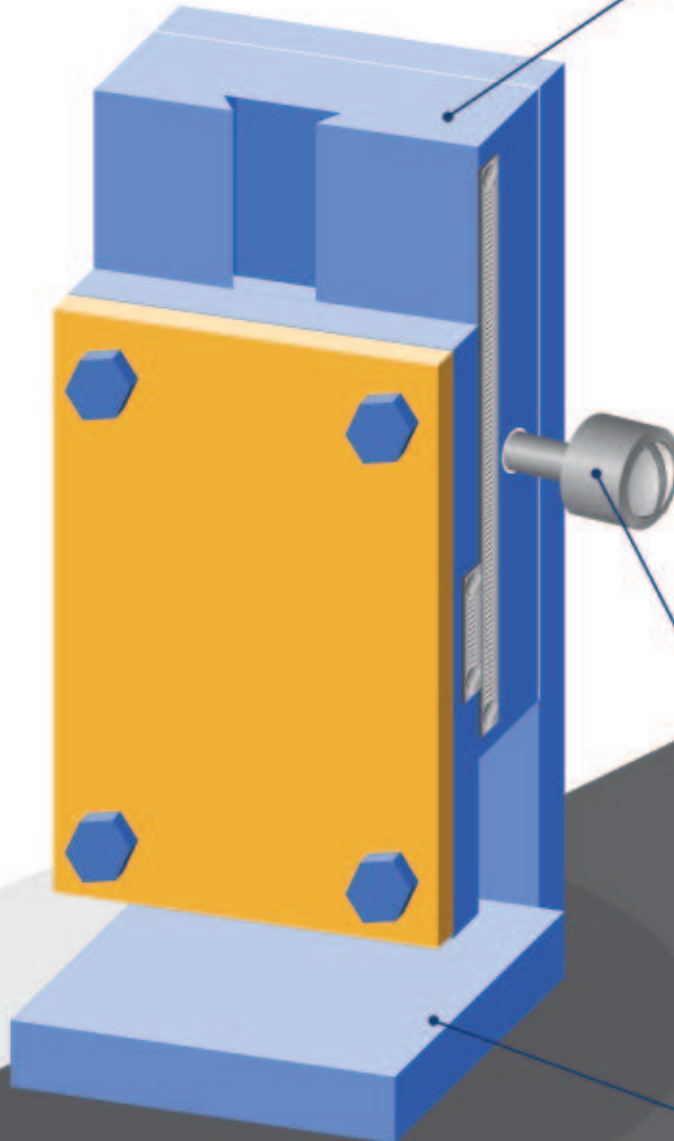


ACCURATE MEASUREMENTS CAN BE ACHIEVED THROUGH THE SCALE PLATES BESIDE THE HANDLE.

CHARACTERISTICS OF THE Z-AXIS STAGE (ZJK-90)



DOVETAIL GROOVE TECHNOLOGY'S ALIGNMENT ALLOWS FOR HIGH QUALITY SMOOTH SLIDING AT LOW COST.



AMOUNT OF MOVEMENT
 $\pm 35\text{MM}$

STAGE SURFACE : **40MM X 90MM**
WEIGHT : **0.45 KG**
STAGE BODY : **ALUMINUM ALLOY**
SURFACE TREATMENT : **SATIN BLACK ANODIZED**

