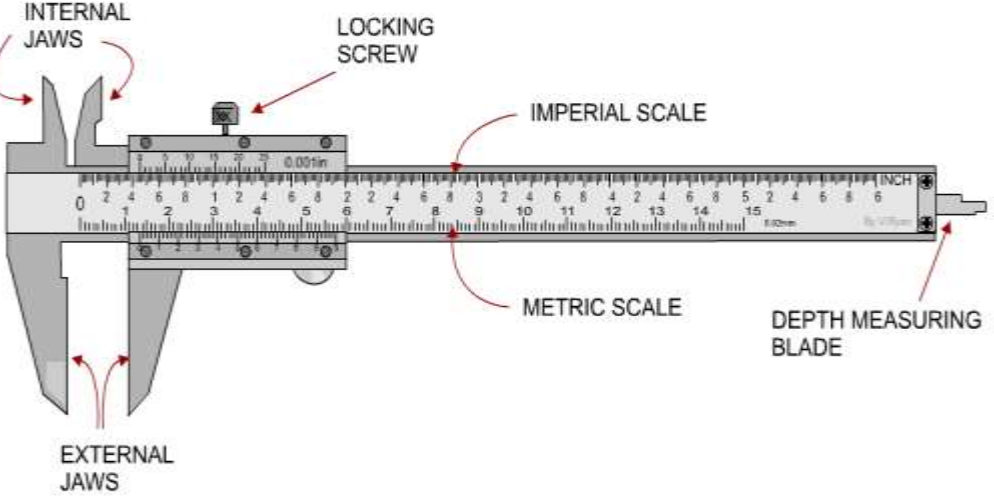



# METROLOGY LAB EQUIPMENTS

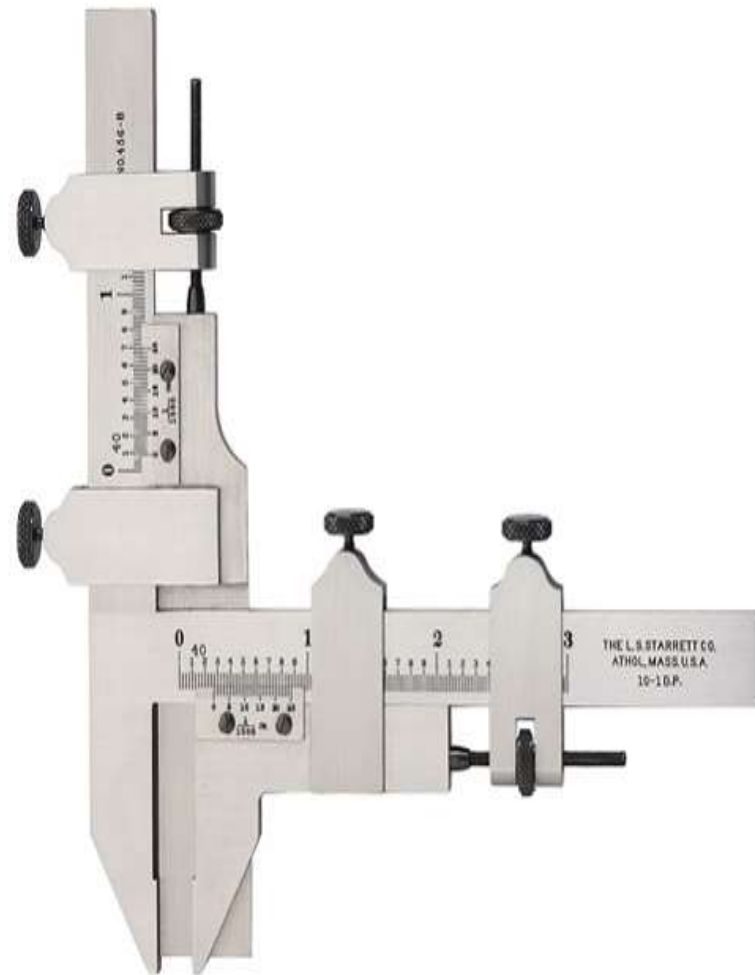
S. NO	NAME OF THE EQUIPMENT	SPECIFICATIONS	PHOTOGRAPH
1.	<b>VERNIER CALLIPERS</b>	LEAST COUNT = 0.02 mm	 <p>The diagram shows a vernier calliper with various parts labeled. At the top left, 'INTERNAL JAWS' are indicated with red arrows pointing to the upper measuring surfaces. At the bottom left, 'EXTERNAL JAWS' are indicated with red arrows pointing to the lower measuring surfaces. A 'LOCKING SCREW' is shown on the top of the frame. The main beam has two scales: an 'IMPERIAL SCALE' at the top and a 'METRIC SCALE' at the bottom. On the right end, a 'DEPTH MEASURING BLADE' is attached. The least count is noted as 0.001 in on the imperial scale.</p>
2.	<b>MICROMETER</b>	LEAST COUNT = 0.01 mm	 <p>The photograph shows a micrometer with a black frame and a silver body. The frame has '0.01mm' and '0-25 mm' printed on it. The body has a ratchet stop and a thimble with a scale. The least count is 0.01 mm.</p>

# METROLOGY LAB EQUIPMENTS

3

**VERNIER  
GEAR TOOTH**

LEAST COUNT = 0.02 mm



## METROLOGY LAB EQUIPMENTS

4	<b>TOOL MAKERS MICROSCOPE</b>	LEAST COUNT = 0.05 mm	
5	<b>SINEBAR</b>	LENGTH = 240 mm & 120 mm	

## METROLOGY LAB EQUIPMENTS

6	<b>VERNIER BEVEL PROTRACTOR</b>	LEAST COUNT = 5 mins	
7	<b>DIAL INDICATOR</b>	LEAST COUNT = 0.01 mm	

## METROLOGY LAB EQUIPMENTS

8	SPIRIT LEVEL		 A yellow spirit level with three vials. The vials are arranged horizontally and contain a green liquid. The level has a silver-colored metal body with yellow plastic end caps.
9	VERNIER HEIGHT GAUGE	LEAST COUNT = 0.01 mm	 A vernier height gauge with a vertical scale and a sliding vernier scale. The main scale is graduated in millimeters, with markings from 0 to 20. The vernier scale is graduated in 0.01 mm. The gauge has a base and a sliding frame with a measuring tip.

# **METROLOGY LAB EQUIPMENTS**