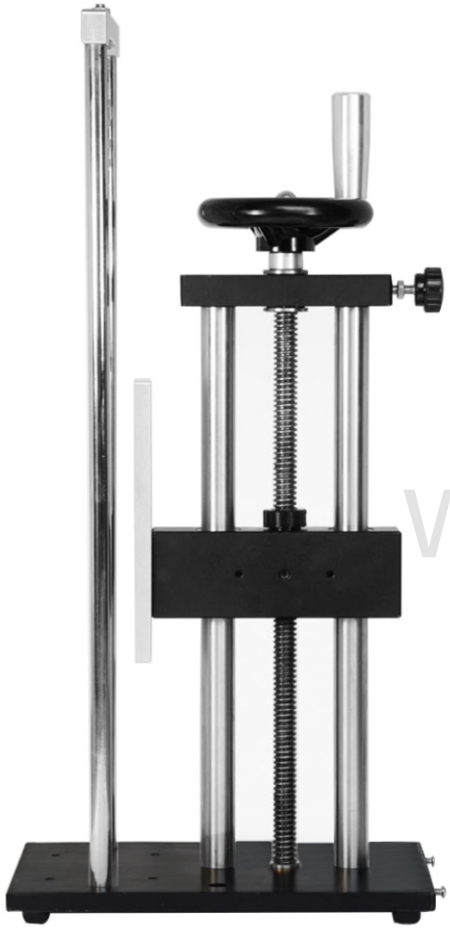
FORCE GAUGE SUPPORT

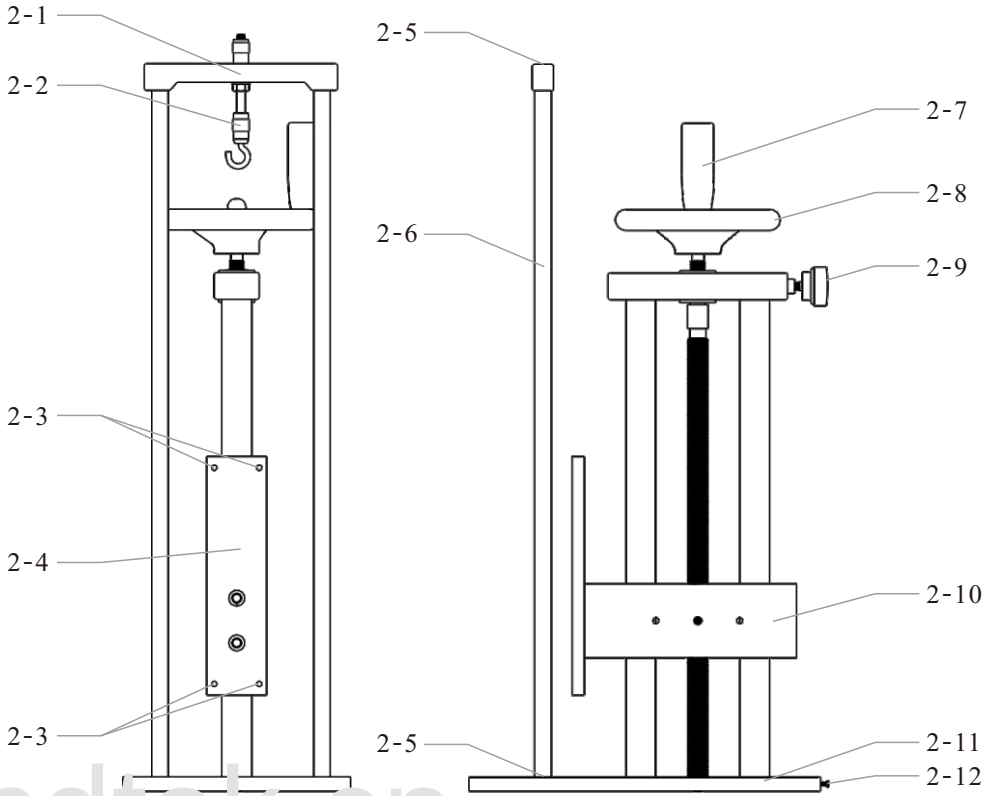
FMS-1



1. APPLICATIONS

This support, being combined with a force gauge, can measure the pushing or pulling force in vertical or horizontal direction.

2. STRUCTURE



FRONT VIEW RIGHT VIEW

2-1 Fixing Beam	2-6 Fixing Column	2-10 Sliding Block
2-2 Hook	2-7 Rotation Handle	2-11 Base
2-3 ϕ3 Hole	2-8 Rotation Wheel	2-12 Small Supporting Screw in Horizontal Position
2-4 Connection Block	2-9 Big Supporting Screw in Horizontal Position	
2-5 ϕ6 Hole		

3. PUSHING OR PULLING FORCE MEASUREMENTS IN VERTICAL POSITION

3-1 Put the support vertically. Hold the force gauge vertically with the sensing end upward. With M3 screws through the ϕ3 Hole to connect the force gauge on the Connection Block.

3-2 Connect the Hook on the Fixing Beam through the ϕ6 Hole.

3-3 Connect the measured connector between the sensing end of force gauge and the

hook. When connecting, the position of the Sliding Block can be adjusted by rotating the Rotation Handle. When the Rotation Wheel is rotated clockwise, the Sliding Block moves upward; when the Rotation Wheel is turned counterclockwise, the Sliding Block moves downward.

3-4 By rotating the Rotation Handle, pulling force of the measured connector under various state can measured.

3-5 To measure the pushing force of the connector, simply change the hook to the corresponding connector.

4. PUSHING OR PULLING FORCE MEASUREMENTS IN HORIZONTAL POSITION

4-1 Put the support horizontally. Hold the force gauge horizontally with the sensing end pointing the Fixing Beam. With M3 screws through the ϕ3 Hole to connect the force gauge on the Connection Block.

4-2 Connect the Hook on the Fixing Beam through the ϕ6 Hole.

4-3 Connect the measured connector between the sensing end of force gauge and the hook. When connecting, the position of the Sliding Block can be adjusted by rotating the Rotation Handle. When the Rotation Wheel is rotated clockwise, the Sliding Block moves toward the Fixing Beam; when the Rotation Wheel is turned counterclockwise, the Sliding Block moves toward the Base.

4-4 By rotating the Rotation Handle, pulling force of the measured connector under various state can measured.

4-5 To measure the pushing force of the connector, simply change the hook to the corresponding connector.