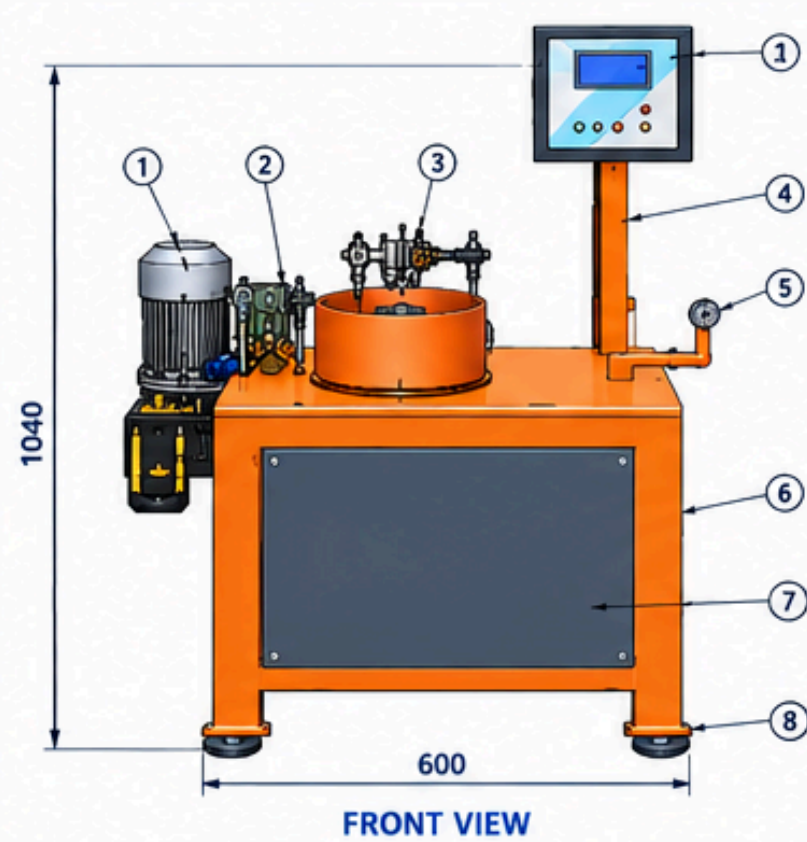
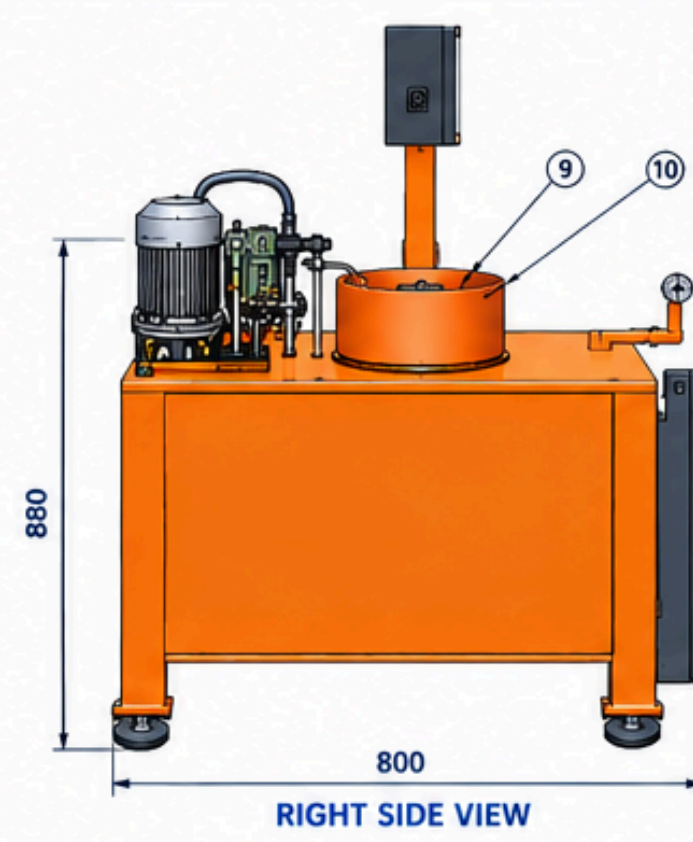
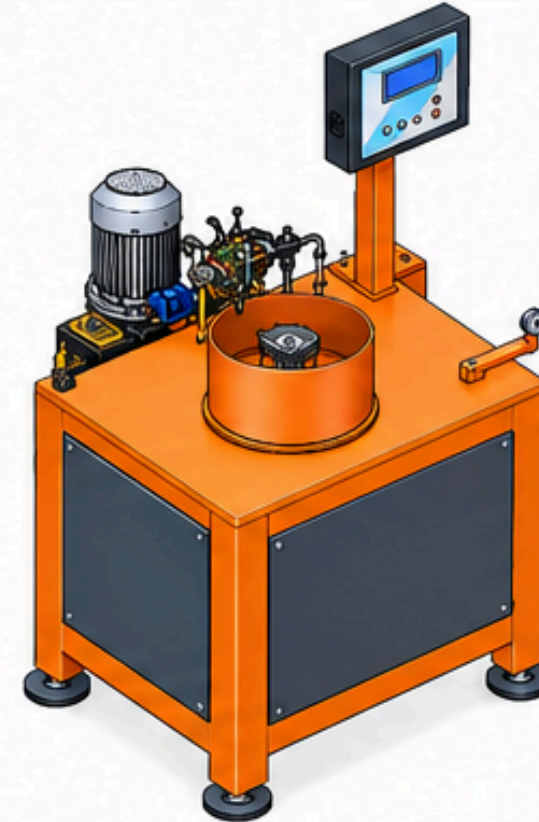




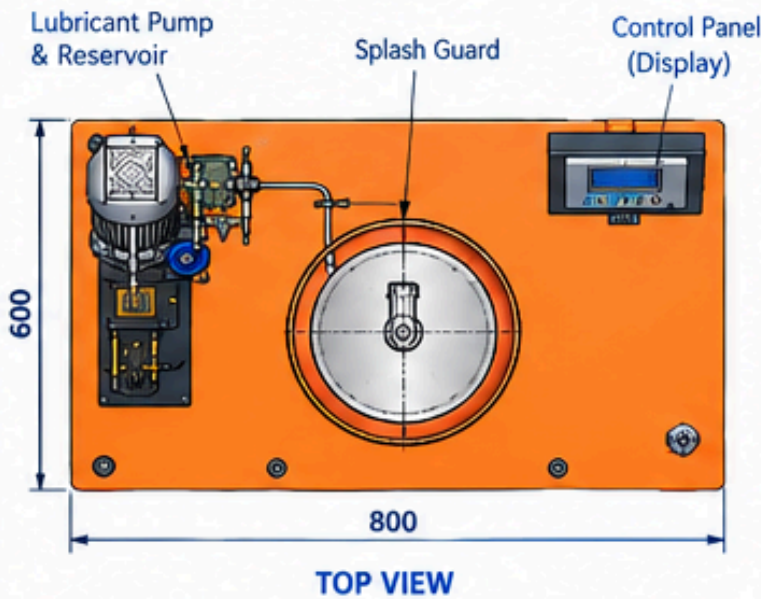
FRONT VIEW



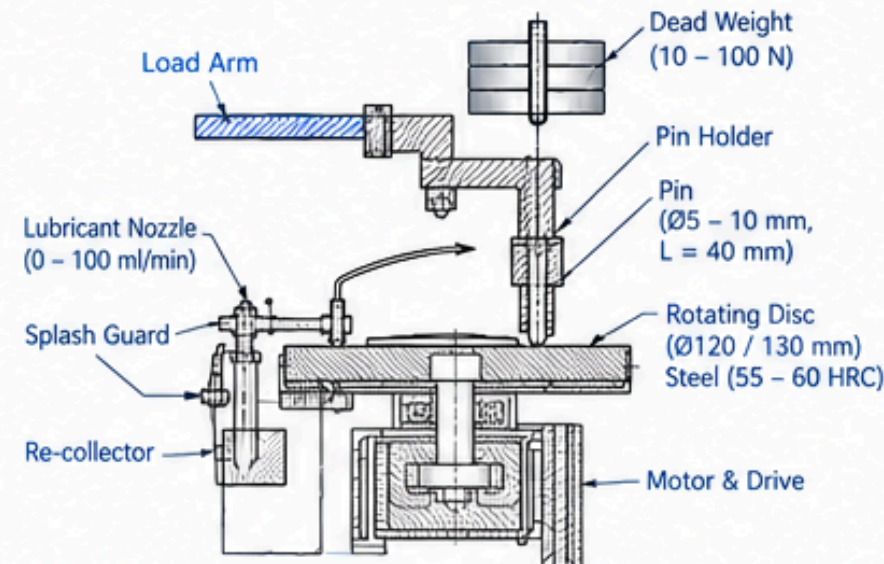
RIGHT SIDE VIEW



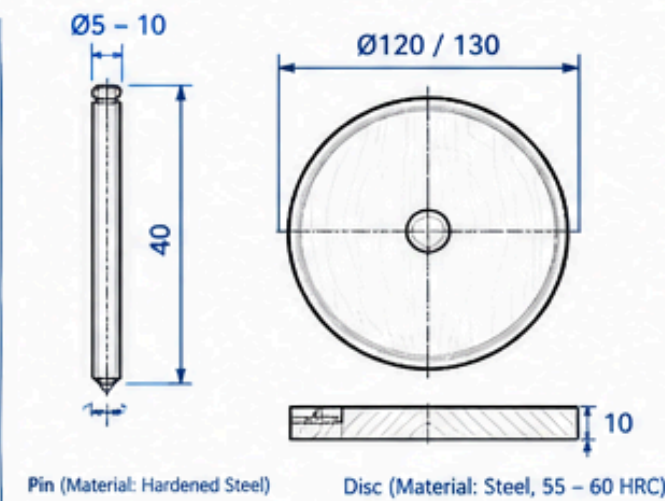
ISOMETRIC VIEW



TOP VIEW



SECTION A-A (Through Disc & Pin)



PIN & DISC DETAILS

TECHNICAL SPECIFICATIONS

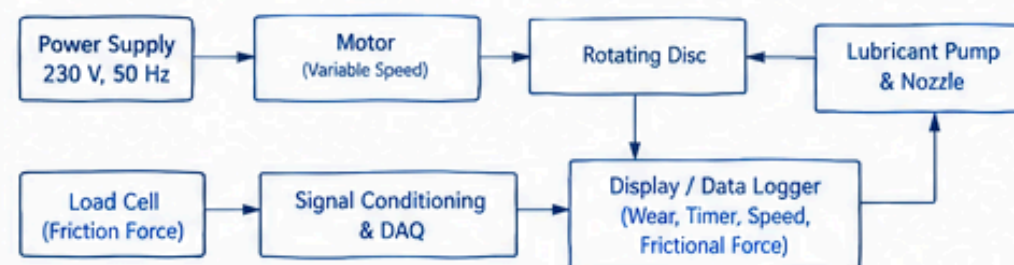
Parameter	Specification
Rotating Disc Diameter	120 / 130 mm
Disc Material & Hardness	Steel (55 – 60 HRC)
Normal Load Range	10 – 100 N
Sliding Speed (RPM)	150 – 1500 RPM
Sliding Velocity	100 – 150 m/min
Pin Diameter	5 – 10 mm
Pin Length	40 mm
Disc Orientation	Horizontal
Sample Position	Vertical
Frictional Force Range	0 – 100 N
Wear Range	0 – 100 N
Preset Timer	999 min
Power Supply	230 V, Single Phase, 50 Hz
Lubricant Flow Rate	0 – 100 ml/min
Discharge Rate	0 – 100 ml/min
Display Parameters	Wear, Timer, Speed, Frictional Force
Data Logging	Continuous recording with multiple graphs (online)
Software	Provided (graphical analysis)
Computer & Accessories	Buyer's scope

FEATURES

- Motorized rotating disc with speed control (150–1500 RPM)
- Dead weight / lever loading system (10–100 N)
- Friction force measurement with load cell (0–100 N)
- Wear measurement (0–100 N)
- Lubricant pump, nozzle, splash guard and re-collector (adjustable, 0–100 ml/min)
- Preset timer (0–999 min)
- Digital display for wear, timer, speed and frictional force
- Online multiple graphs with continuous wear rate recording
- Software for graphical analysis (provided)

Note: Computer and accessories are in Buyer's Scope.

SCHEMATIC DIAGRAM



BILL OF MATERIALS (Main Parts)

No.	Part Name	Material / Specification	Qty.
1	Motor	230 V, 50 Hz, Single Phase	1
2	Lubricant Pump	0 – 100 ml/min (Adjustable)	1
3	Splash Guard	Steel / Transparent	1
4	Load Arm	MS / Steel	1
5	Load Weights	Steel	1 (Set)
6	Cabinet	MS (Powder Coated)	1
7	Control Panel (Display)	Digital Touch / LCD	1
8	Leveling Foot	Rubber / Steel	4
9	Pin Holder	Hardened Steel	1
10	Pin	5 – 10 mm (Hardened Steel)	1
11	Disc	120 / 130 mm (Steel, 55 – 60 HRC)	1
12	Lubricant System	Pump, Nozzle, Re-collector	1 Set



INNTECH ENGINEERING DEVICES
PRIVATE LIMITED

PIN – ON – DISK TRIBOMETER ENGINEERING DRAWING

DRAWING NO.	POTD-001	UNITS	m
SCALE	1:10 (Unless Specified)	SHEET	1 OF 1
mm	mm	DATE	2025-06-02
DRAWN BY	—	APPROVED BY	—
CHECKED BY	—		