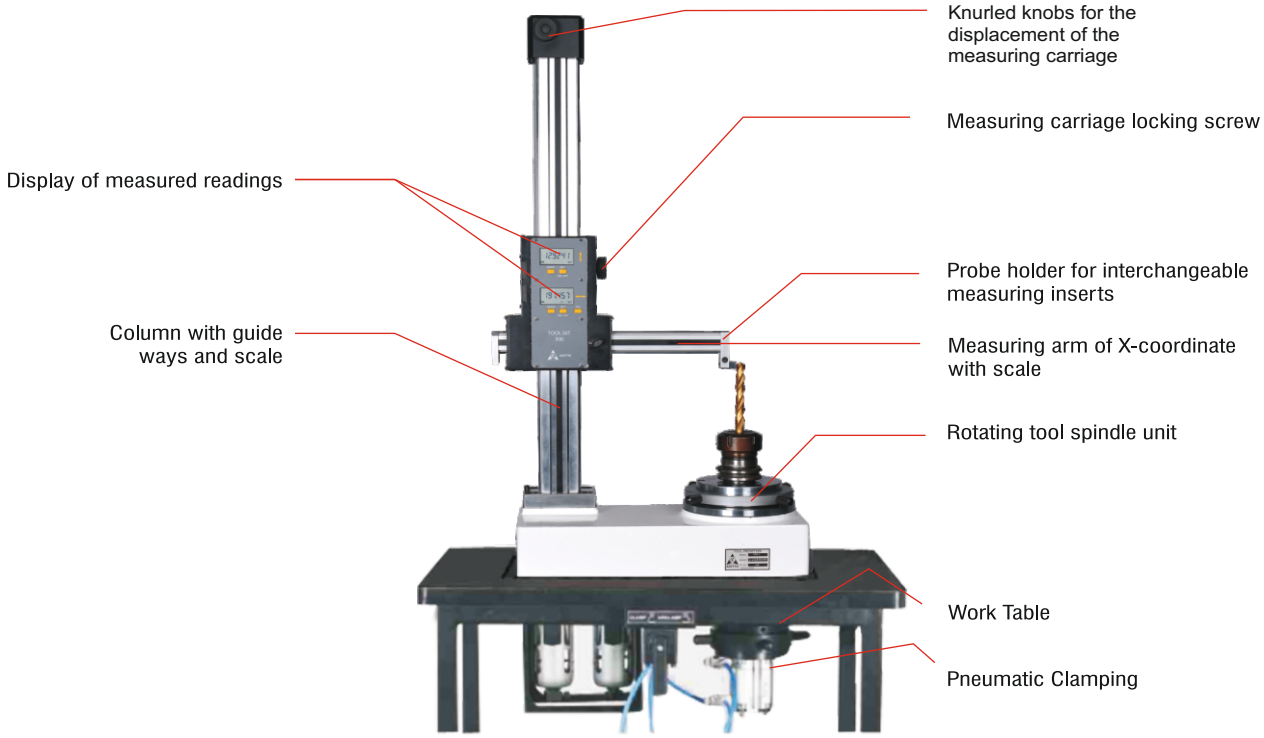
ACCURATE
Metrology & Automation
Since 1984

TOOL SET



Tool Set 1 and 2, fulfils the extreme environmental condition of shop floor.

The quick checking of heights & diameters (Radius) of all kind of tools such as ISO, BT, HSK, VDIA etc.is guaranteed by fixed precise steel measuring column with displacement devices in coordinates (X/Z) & constant measuring force.

Features

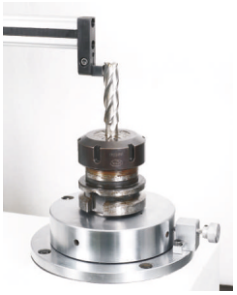
Display

- MIN/MAX function indicator
- Activated reference indication
- Measuring value display
- Cursor for PRESET value & tolerance value input
- Tolerance mode indication
- Measuring unit (MM/INCH) indication
- "End of battery life" warning indication
- Indication of "Key board locked"
- Indication of preset mode, input of values
- Indication of display hold
- Output - OPTO RS 232 for both axis

Tool Holding Spindle

Contact type tool pre-setter devices are supplied with high precision imported ball cage bearing .
High Precision Spindle has :-

- Less than 2µm concentricity error
- No need of additional setting master due to integrated calibration point on the spindle for both axis



Tool Clamping (Optional)

Pneumatically actuated mechanical clamping for ensuring positive gripping and repetitive measurement of the tool. It operates on 4 bar compressed air

Additional Features

- Counter balanced measuring unit which slide, requires no dial indication
- Constant measuring force of horizontal measuring slides ensures highly accurate
- Every machine is supplied with a work table, storage facility for mandrel, adaptor sleeves
- High precision imported measuring electronics of Sylvac make

Main Parts of Tool Set

TECHNICAL DATA

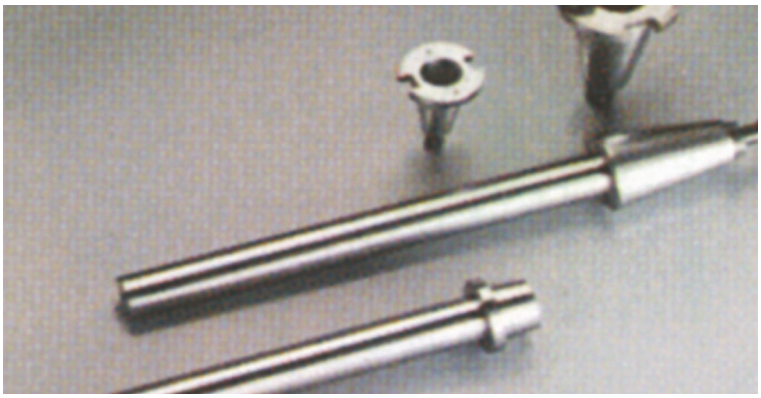
Specificaations	Tool Set 1	Tool Set 2
Height Measurement Range	400 mm	550 mm
Diameter/Radius Measurement	300/150 mm	300/150 mm
Preseter Accuracy	<0.02 mm	<0.025 mm
Runout on the Spindle Nose	≤0.002 mm	≤0.002 mm
Resolution	0.001	0.001
Weight (Approx.)	34 Kg	55 Kg
Spindle Taper (Selectable)	ISO50/ISO40/ISO30 Bt50 / BT40 /BT30 / HSK 63/ HSK 50 /HSK 100/ HSK 40	
Data Output	OPTO RS 232 Compatible	
Battery II	Lithium, 3VType CR 2032. Life 4000 Hours Approx.	

Optional Accessories

Adapter Sleeves Product Code : 14-08	ISO /BT 50 / 30, ISO /BT 50 / 40, ISO /BT 50 / 45, ISO /BT 40 / 30, HSK 100/63, HSK 100/50, HSK 100/40
Test Mandrel Product Code : 14-09	ISO / BT 50, ISO / BT 40, ISO / BT 30, HSK 63, HSK 50 / HSK 40 / HSK 100, ISO 50/40, ISO 40/30, ISO 50/45
Gauge Plane Indicator	ISO / BT 50, ISO / BT 40, BT 50/40, BT 40/30, BT 50/30, BT 50/HSK 63, BT 50/MT6

Applications

- Checking of a Height
- Checking of a Diameter/Radius
- Checking of a Runout



Adaptor Sleeves & Test Mandrels

Applications

Checking of a Height

Checking of a Diameter / Radius

Checking of a Ranout

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Note : Due to continuous Improvements at our end, Specifications are subject to change without prior notice.