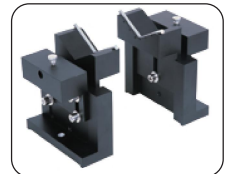


AUTOMATIC LASER SCAN MICROMETER CODE LDM-AT01

CUSTOMISED ACCORDING
TO WORKPIECES



center-type bench center (included)



V-type bench center (included)

- Motorised rotation with adjustable speed
- Auto-moving laser scan micrometer
- Measure the outer diameter, roundness and runout of workpieces at multiple sections

SPECIFICATION

Workpiece clamping mode		center-type bench center (with centre holes at the end)	V-type bench center (without centre holes at the end)
Measuring range of workpieces	length	5~300mm	10~230mm
	diameter	3~60mm	10~60mm
	max. weight	20kg	1.5kg
Accuracy at 25°C		$\pm(0,5+10\%D)\mu\text{m}$, D is measuring diameter in mm	
Repeatability at 25°C		$(0,3+5\%D)\mu\text{m}$, D is measuring diameter in mm	
Runout accuracy at 25°C		$\leq 5\mu\text{m}$	
Size of working table		400×200mm	
Driving method		motor drive	
Power supply		220V, 50/60Hz	
Dimension		750×600×900mm	
Weight		50kg	



clamping workpieces by center-type bench center



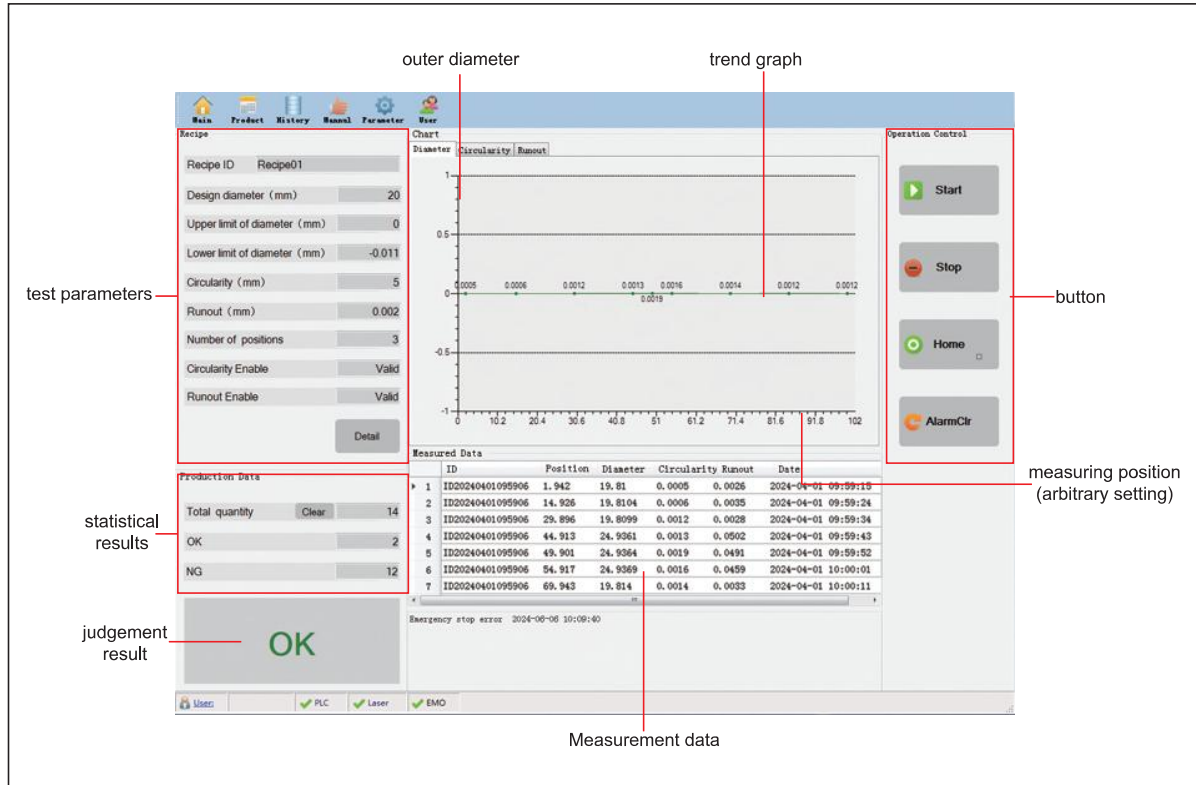
clamping workpieces by V-type bench center

STANDARD DELIVERY

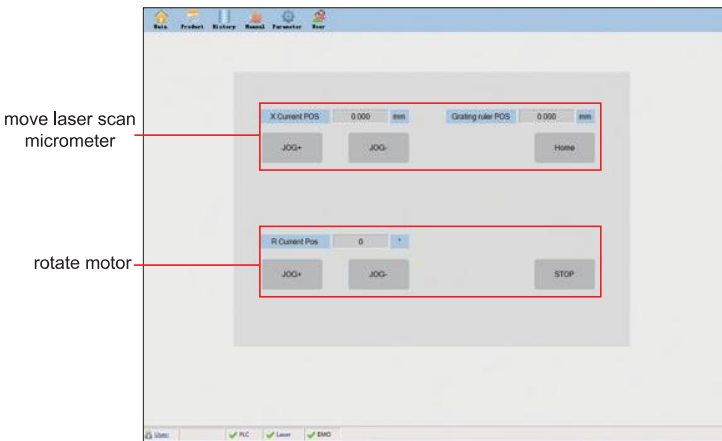
Main unit	1 pc
Center-type bench center	1 pc
V-type bench center	1 pc

MEASURING SOFTWARE (INCLUDED)

- Language: English and Chinese
- Operating system: Windows 7
- Measure the outer diameter, roundness and runout of workpieces automatically, then the data, trend graphs and judgement results can be displayed in real time
- Auto-saving measurement data, query and export to EXCEL at any time
- Switch to manual test to move the laser scan micrometer and rotate the motor by hand



main interface



manual test

The history data interface displays a table with the following columns: ID, File Name, Position, Diameter, Circularity, Runout, and Date. The table contains 16 rows of data.

ID	File Name	Position	Diameter	Circularity	Runout	Date	
1	ID20240422092901	A11	20	25.1002	0.0025	0.0084	2024-04-22 09:29:01
2	ID20240422092901	A11	20	25.1002	0.0025	0.0084	2024-04-22 09:29:49
3	ID20240422092901	A11	30	25.0879	0.0013	0.0058	2024-04-22 09:30:00
4	ID20240422092901	A11	90	25.0894	0.0016	0.0059	2024-04-22 09:30:11
5	ID20240422092901	A11	150	25.0899	0.0022	0.0048	2024-04-22 09:30:23
6	ID20240422111429	A12	10	19.9877	0.0011	0.0046	2024-04-22 11:14:28
7	ID20240422111429	A12	20	19.9873	0.0023	0.0043	2024-04-22 11:14:47
8	ID20240422111429	A12	40	19.9966	0.002	0.0038	2024-04-22 11:14:57
9	ID20240422111429	A12	60	19.9959	0.0044	0.0038	2024-04-22 11:15:07
10	ID20240422111429	A12	100	19.9946	0.003	0.0024	2024-04-22 11:15:18
11	ID20240422111536	A12	10	19.998	0.0012	0.0048	2024-04-22 11:15:45
12	ID20240422111536	A12	20	19.9874	0.0029	0.0043	2024-04-22 11:15:55
13	ID20240422111536	A12	40	19.9963	0.0012	0.0037	2024-04-22 11:16:06
14	ID20240422111536	A12	60	19.9964	0.0046	0.0049	2024-04-22 11:16:15
15	ID20240422111536	A12	100	19.9946	0.003	0.0037	2024-04-22 11:16:25

history data