



Since 1998

Zhongan Machinery Mechanical CNC Precision Leveler

A pioneer enterprise of China in precision leveling industry

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PART 01

About Us



Zhongan Machinery

Changzhou Zhongan Machinery Manufacturing CO.,LTD., headquartered in Changzhou, Jiangsu. Zhongan is an innovative manufacturer specializing in the metal finishing equipment industry chain, providing global clients with integrated R&D, production, sales, and service solutions. Leveraging cutting-edge technology and meticulous craftsmanship, we are committed to advancing the metal finishing sector by delivering embossing, forming, and high-precision leveling solutions, driving the industry toward intelligent, precision, and high end transformation.

Leveraging innovative design concepts and advanced manufacturing technologies, Zhongan developed a series of leveling equipment. Hydraulic Precision Leveling Machines deliver micron-level flatness for high-precision metal components, making them ideal for automotive/motorcycle parts, fine blanking, and precision sheet metal applications. Mechanical Leveling Machines optimize both efficiency and stability, specifically designed for batch production in SMEs, serving elevator components, agricultural machinery, and profile manufacturing industries.

2↑

R&D Center

5↑

Exhibition Space

30+↑

Patent Application

6880_{m²}

Total Area

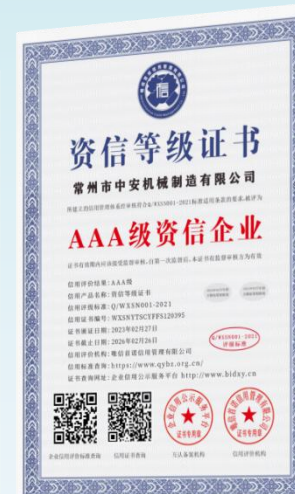
100+ 台/套

Production Capacity

Award Certificate

Precision Leveling Machine

Assist in upgrading the quality of sheet materials



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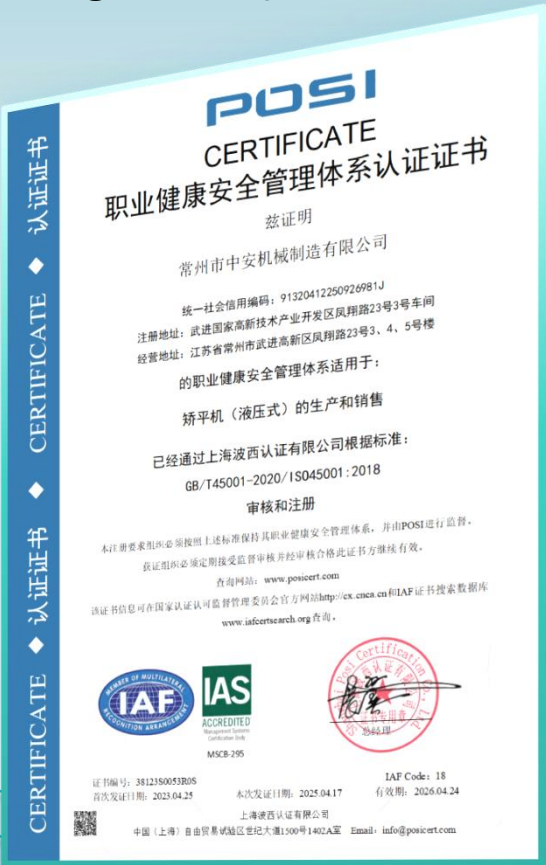
Management System Certification

Quality Management System Certification

Environmental Management System Certification



Occupational Health and Safety Management System Certification



Official Partners



SIEMENS

MPRECITEC

BECKHOFF

STÄUBLI



CKD

FANUC

OMRON

Rexroth
Bosch Group

SANYO

Schneider
Electric

Panasonic



SMC

PART 02

Thin Material



G32 Series Mechanical CNC Precision Leveler



≤2.4 mm Thin Materials

Parameters of G32 series leveling machines (suitable for thin materials)

- Roller diameter (mm): Φ32mm
- Width (mm): 300, 500, 800,1300 etc. (customizable according to product requirements)
- Number of rollers: upper 9 + 10 lower = 19 rollers
- Rated plate thickness for full width: 0.4-1.2mm
- Maximum plate thickness : 2.4mm
- Minimum leveling length: 64mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects:electronic IC industry etc.

Table for Leveled Width Range of G32 Series (Material Q235/Yield Strength 235MPa)				
Thickness\Width	G32-300-19	G32-500-19	G32-800-19	G32-1300-19
0.4-1.2	300	500	800	1300
1.6	200	330	530	660
2.0	150	250	400	500
2.4	120	200	290	400

G40 Mechanical CNC Precision Leveler

Parameters of G40 series leveling machines (suitable for thin materials)

- Roller diameter (mm): Φ40mm
- Width (mm): 500, 1000, 1300 etc. (customizable according to product requirements)
- Number of rollers: upper 9 + 10 lower = 19 rollers
- Rated plate thickness for full width: 0.6-1.8mm
- Maximum plate thickness : 3.6mm
- Minimum leveling length: 80mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: chassis/cabinet industry, etc.



≤ 3.6mm Thin Materials

Table for Leveled Width Range of G40 Series (Material Q235/Yield Strength 235MPa)			
Thickness\Width	G40-500-19	G40-1000-19	G40-1300-19
0.6-1.8	500	1000	1300
2.1	410	830	1080
2.6	310	620	810
3.1	250	500	650
3.6	200	410	540

G50 Mechanical CNC Precision Leveler



≤ 5.0mm Thin Materials

Parameters of G50 series leveling machines (suitable for thin materials)

- Roller diameter (mm): Φ50mm
- Width (mm): 500, 800, 1300, 1600,etc. (customizable according to product requirements)
- Number of rollers: upper 9 + 10 lower = 19 rollers
- Rated plate thickness for full width: 0.8-2.5mm
- Maximum plate thickness : 5.0mm
- Minimum leveling length: 100mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: sheet metal processing industry, etc.

Table for Leveled Width Range of G 50 Series (Material Q235/Yield Strength 235MPa)				
Thickness\Width	G50-500-19	G50-800-19	G50-1300-19	G50-1600-19
0.8-2.5	500	800	1300	1600
3.0	370	600	970	1200
3.5	300	480	780	960
4.0	250	400	650	800
4.5	210	340	550	680
5.0	180	300	480	600

G63 Mechanical CNC Precision Leveler



≤ 8.0mm Thin And Medium Material

Parameters of G63 series leveling machines (suitable for thin and medium materials)

- Roller diameter (mm): Φ63mm
- Width (mm): 500, 800, 1300, 1600, etc. (customizable according to product requirements)
- Number of rollers: upper 9 + 10 lower = 19 rollers
- Rated plate thickness for full width: 1.2-2.4mm
- Maximum plate thickness : 8.0mm
- Minimum leveling length: 126mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Aroud 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: sheet metal processing industry, etc.

Table for Leveled Width Range of G63 Series (Material Q235/Yield Strength 235MPa)				
Thickness\Width	G63-500-19	G63-800-19	G63-1300-19	G63-1600-19
1.2-2.4	500	800	1300	1600
4.8	400	660	1080	1330
6.4	300	500	810	1000
8.0	250	400	650	800

PART 03

Medium And Thick Material



G80 Mechanical CNC Precision Leveler



≤ 12.0mm Medium And Thick Material

Parameters of G80 series leveling machines (suitable for meduim and thick materials)

- Roller diameter (mm): Φ80mm
- Width (mm): 500, 1000, 1300, 1600,2100, etc. (customizable according to product requirements)
- Number of rollers: upper 9 + 10 lower = 19 rollers
- Rated plate thickness for full width: 2.0-6.0mm
- Maximum plate thickness : 12.0mm
- Minimum leveling length: 160mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: Medium and heavy plate application industry, etc.

Table for Leveled Width Range ofG 8 0 Series(Material Q235/Yield Strength 235MPa)					
Thickness\Width	G80-500-19	G80-1000-19	G80-1300-19	G80-1600-19	G80-2100-19
2.0-6.0	500	1000	1300	1600	2100
8.0	400	800	1000	1280	1680
10	330	660	860	1060	1400
12	280	570	740	910	1200

G100 Mechanical CNC Precision Leveler

Parameters of G100 series leveling machines (suitable for medium and thick plates)

- Roller diameter (mm): Φ100mm
- Width (mm): 500, 1000, 1300, 1600, 2100 etc. (customizable according to product requirements)
- Number of rollers: upper 8 + 9 lower = 17 rollers
- Rated plate thickness for full width: 3.0-8.0mm
- Maximum plate thickness : 16mm
- Minimum leveling length: 200mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Aroud 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: Medium and heavy plate application industry, etc.



≤ 16.0mm Medium And Thick Material

Table for Leveled Width Range of G100 Series(Material Q235/Yield Strength 235MPa)					
Thickness\Width	G100-500-17	G100-1000-17	G100-1300-17	G100-1600-17	G100-2100-17
3.0-8.0	500	1000	1300	1600	2100
9.0	400	820	1080	1300	1750
10	350	785	920	1140	1500
12	300	680	810	1000	1310
14	270	600	720	880	1150
16	250	550	650	800	1050

G125 Mechanical CNC Precision Leveler



≤ 24.0 mm Medium And Thick Material

- Parameters of G125 series leveling machines (suitable for medium and thick plates)**
- Roller diameter (mm): Φ125mm
 - Width (mm): 500, 1100, 1600, 2100, 2600 etc. (customizable according to product requirements)
 - Number of rollers: upper 7 + 8 lower = 15 rollers
 - Rated plate thickness for full width: 5.0-12.0mm
 - Maximum plate thickness : 24mm
 - Minimum leveling length: 250mm (can not below twice of the roller diameter)
 - Leveling speed: 0-10m/min
 - Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
 - Applicable objects: Medium and heavy plate application industry, etc

Table for Leveled Width Range of G125 Series(Material Q235/Yield Strength 235MPa)					
Thickness\Width	G125-500-15	G125-1100-15	G125-1600-15	G125-2100-15	G125-2600-15
5.0-12.0	500	1100	1600	2100	2600
15	400	860	1280	1680	2080
18	300	710	1050	1400	1700
21	270	600	900	1200	1450
24	240	520	800	1050	1300

PART 04

Thick Material



G160 Mechanical CNC Precision Leveler



≤ 32.0mm Thick Material

Parameters of G160 series leveling machines (suitable for thick plates)

- Roller diameter (mm): Φ160mm
- Width (mm): 500, 1100, 1600, 2100, 2600 etc. (customizable according to product requirements)
- Number of rollers: upper 6 + 7 lower = 13 rollers
- Rated plate thickness for full width: 8.0-16.0mm
- Maximum plate thickness : 32mm
- Minimum leveling length: 320mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: Heavy plate application industry, etc

Table for Leveled Width Range of G160 Series(Material Q235/Yield Strength 235MPa)

Thickness\Width	G160-500-13	G160-1100-13	G160-1600-13	G160-2100-13	G160-2600-13
8.0-16.0	500	1100	1600	2100	2600
20	375	825	1200	1575	1950
25	300	660	960	1260	1560
30	250	550	800	1050	1300
32	200	460	675	900	1100

G200 Mechanical CNC Precision Leveler



≤ 40.0mm Thick Material

Parameters of G200 series leveling machines (suitable for thick plates)

- Roller diameter (mm): Φ200mm
- Width (mm):1100, 1300, 1600, 2100 ,2600 etc. (customizable according to product requirements)
- Number of rollers: upper 5 + 6 lower = 11 rollers
- Rated plate thickness for full width: 10.0-20.0mm
- Maximum plate thickness : 40mm
- Minimum leveling length: 400mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: Around 0.5mm/m² (final accuracy subject to equipment testing)
- Applicable objects: Heavy plate application industry, etc

Table for Leveled Width Range of G 200 Series(Material Q235/Yield Strength 235MPa)					
Thickness\Width	G200-1100-11	G200-1300-11	G200-1600-11	G200-2100-11	G200-2600-11
10.0-20.0	1100	1300	1600	2100	2600
25	880	1040	1280	1680	2080
30	730	850	1050	1400	1700
35	620	730	900	1200	1480
40	550	650	800	1050	1300



2026 Thanks

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