



Since 1998

Zhongan Machinery Hydraulic 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

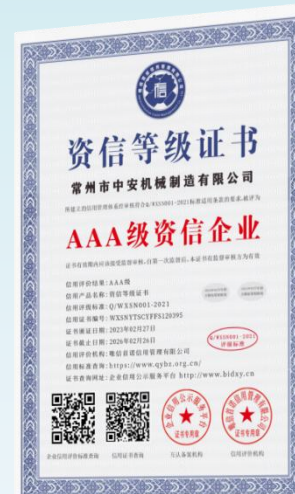
100+ 台/套

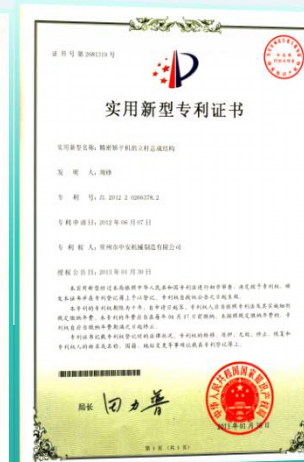
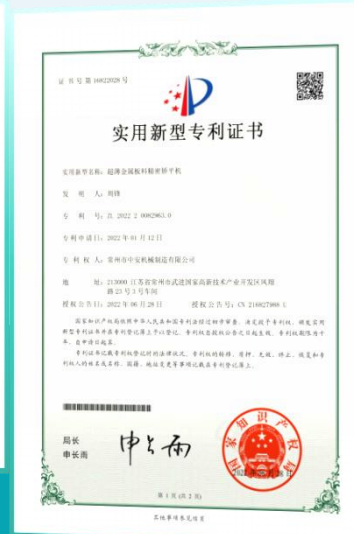
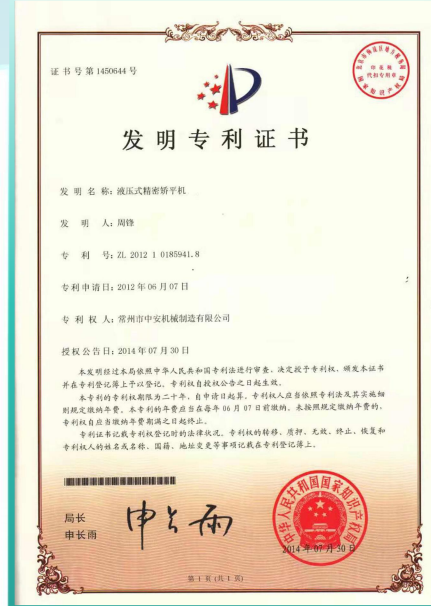
Production Capacity

Award Certificate

Precision Leveling Machine

Assist in upgrading the quality of sheet materials





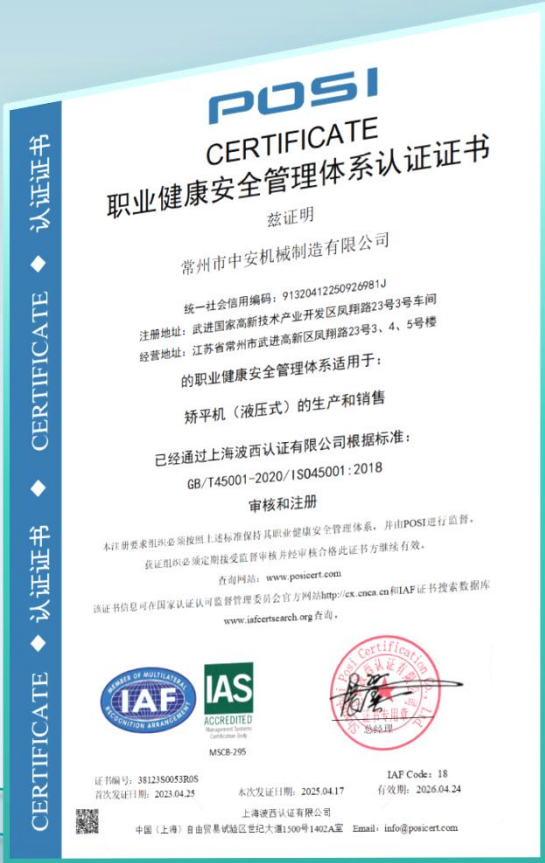
Management System Certification

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



10 Series Hydraulic Precision Leveler



≤ 0.8mm Ultra-thin Materials

Parameters of 10 series leveling machines (suitable for ultra-thin materials)

- Roller diameter (mm): Φ10mm
- Width (mm): 160, 300, 500, etc. (customizable according to product requirements)
- Number of rollers: upper 15 + 16 lower = 31 rollers
- Rated plate thickness for full width: 0.1-0.3mm
- Maximum plate thickness : 0.8mm
- Minimum leveling length: 20mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: foil, etc.

Table for Leveled Width Range of 10 Series (Material Q235/Yield Strength 235MPa)			
Thickness\Width	10-160-31	10-300-31	10-500-31
0.1-0.3	160	300	500
0.4	120	225	375
0.6	80	150	250
0.8	60	110	180

16 Series Hydraulic Precision Leveler



≤ 1.2mm Ultra-thin Materials

Parameters of 16 series leveling machines (suitable for ultra-thin materials)

- Roller diameter (mm): Φ16mm
- Width (mm): 160, 300, 500, etc. (customizable according to product requirements)
- Number of rollers: upper 15 + 16 lower = 31 rollers
- Rated plate thickness for full width: 0.2-0.6mm
- Maximum plate thickness : 1.2mm
- Minimum leveling length: 32mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 16 Series (Material Q235/Yield Strength 235MPa)			
Thickness\Width	16-160-31	16-300-31	16-500-31
0.2-0.6	160	300	500
0.8	120	225	375
1.0	96	180	300
1.2	80	150	250

25 Series Hydraulic Precision Leveler



≤2.0mm Ultra-thin Materials

Parameters of 25 series leveling machines (suitable for ultra-thin materials)

Roller diameter (mm): $\Phi 25\text{mm}$

Width (mm): 160, 300, 500, etc. (customizable according to product requirements)

Number of rollers: upper 15 + 16 lower = 31 rollers

Rated plate thickness for full width: 0.3-1.0mm

Maximum plate thickness : 2.0mm

Minimum leveling length: 50mm (can not below twice of the roller diameter)

Leveling speed: 0-10m/min

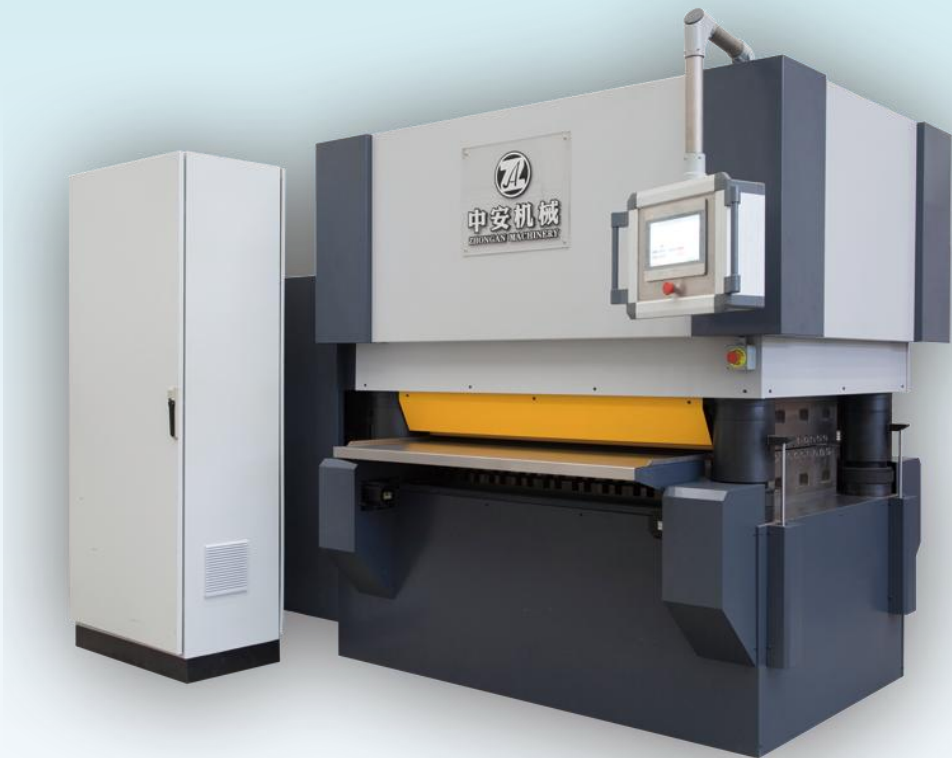
Leveling accuracy: $\leq 0.3\text{mm/m}^2$ (final accuracy subject to equipment testing)

Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

**Table for Leveled Width Range of 25 Series
(Material Q235/Yield Strength 235MPa)**

Thickness\Width	25-160-31	25-300-31	25-500-31
0.3-1.0	160	300	500
1.2	130	250	410
1.4	110	210	350
1.6	100	180	310
1.8	85	165	270
2.0	75	150	250

32 Series Hydraulic Precision Leveler



≤3.0mm Thin Material

Parameters of 32 series leveling machines (suitable for thin materials)

- Roller diameter (mm): Φ32mm
- Width (mm): 300, 500, 1000, 1300, 1600, etc. (customizable according to product requirements)
- Number of rollers: upper 11 + 12 lower = 23 rollers
- Rated plate thickness for full width: 0.5-1.5mm
- Maximum plate thickness : 3.0mm
- Minimum leveling length: 64mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 32 Series(Material Q235/Yield Strength 235MPa)					
Thickness\Width	32-300-23	32-500-23	32-1000-23	32-1300-23	32-1600-23
0.5-1.5	300	500	1000	1300	1600
2.0	225	375	750	975	1000
2.5	150	250	500	700	800
3.0	110	180	400	450	550

40 Series Hydraulic Precision Leveler



≤ 6.0mm Thin Material

Parameters of 40 series leveling machines (suitable for thin materials)

- Roller diameter (mm): Φ40mm
- Width (mm): 500, 1000, 1300, 1600, etc. (customizable according to product requirements)
- Number of rollers: upper 11 + 12 lower = 23 rollers
- Rated plate thickness for full width: 0.6-2.0mm
- Maximum plate thickness : 6.0mm
- Minimum leveling length: 80mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 40 Series(Material Q235/Yield Strength 235MPa)

Thickness\Width	40-500-23	40-1000-23	40-1300-23	40-1600-23
0.6-2.0	500	1000	1300	1600
3.0	330	660	860	1060
4.0	250	500	650	750
5.0	200	400	480	550
6.0	160	280	360	450

PART 03

Medium And Thick Material



50 Series Hydraulic Precision Leveler



≤ 10.0mm Thin And Medium Material

Parameters of 50 series leveling machines (suitable for thin and medium plates)

Roller diameter (mm): $\Phi 50\text{mm}$

Width (mm): 500, 800, 1300, 1600, 2100 etc. (customizable according to product requirements)

Number of rollers: upper 11 + 12 lower = 23 rollers

Rated plate thickness for full width: 0.8-3.0mm

Maximum plate thickness : 10mm

Minimum leveling length: 100mm (can not below twice of the roller diameter)

Leveling speed: 0-10m/min

Leveling accuracy: $\leq 0.3\text{mm/m}^2$ (final accuracy subject to equipment testing)

Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 50 Series(Material Q235/Yield Strength 235MPa)

Thickness\Width	50-500-23	50-800-23	50-1300-23	50-1600-23	50-2100-23
0.8-3.0	500	800	1300	1600	2100
4.0	370	600	970	1200	1500
6.0	250	400	650	800	1050
8.0	180	300	480	600	750
10.0	130	230	380	480	600

63 Series Hydraulic Precision Leveler



≤ 13.0mm Medium And Thick Material

Parameters of 63 series leveling machines (suitable for medium and thick plates)

Roller diameter (mm): $\Phi 63\text{mm}$

Width (mm): 500, 800, 1300, 1600, 2100 etc. (customizable according to product requirements)

Number of rollers: upper 10 + 11 lower = 21 rollers

Rated plate thickness for full width: 1.2-5.0mm

Maximum plate thickness : 13mm

Minimum leveling length: 126mm (can not below twice of the roller diameter)

Leveling speed: 0-10m/min

Leveling accuracy: $\leq 0.3\text{mm/m}^2$ (final accuracy subject to equipment testing)

Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 63 Series(Material Q235/Yield Strength 235MPa)

Thickness\Width	63-500-21	63-800-21	63-1300-21	63-1600-21	63-2100-21
1.2-5.0	500	800	1300	1600	2100
6.0	400	660	1080	1330	1700
8.0	300	500	810	1000	1300
10.0	250	400	650	800	1050
12.0	200	320	510	640	850
13.0	180	300	480	58	780

80 Series Hydraulic Precision Leveler



≤ 20.0mm Medium And Thick Material

Parameters of 80 series leveling machines (suitable for medium and thick plates)

- Roller diameter (mm): Φ80mm
- Width (mm): 500, 1000, 1300, 1600, 2100, 2600 etc. (customizable according to product requirements)
- Number of rollers: upper 9 + 10 lower = 19 rollers
- Rated plate thickness for full width: 2.0-8.0mm
- Maximum plate thickness : 20mm
- Minimum leveling length: 160mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 80 Series(Material Q235/Yield Strength 235MPa)						
Thickness\Width	80-500-19	80-1000-19	80-1300-19	80-1600-19	80-2100-19	80-2600-19
2.0-8.0	500	1000	1300	1600	2100	2600
100	400	800	1000	1280	1680	2050
12.0	300	660	860	1060	1400	1700
14.0	250	570	740	910	1200	1485
16.0	200	500	650	800	1050	1300
18.0	180	430	560	700	930	1150
20.0	120	400	500	640	840	1000

100 Series Hydraulic Precision Leveler



Parameters of 100 series leveling machines (suitable for medium and thick plates)

- Roller diameter (mm): Φ100mm
- Width (mm): 500, 1000, 1300, 1600, 2100 ,2600 etc. (customizable according to product requirements)
- Number of rollers: upper 8 + 9 lower = 17 rollers
- Rated plate thickness for full width: 3.0-10.0mm
- Maximum plate thickness : 30mm
- Minimum leveling length: 200mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

≤ 30.0mm Medium And Thick Material

Table for Leveled Width Range of 100 Series(Material Q235/Yield Strength 235MPa)						
Thickness\Width	100-500-17	100-1000-17	100-1300-17	100-1600-17	100-2100-17	100-2600-17
3.0-10.0	500	1000	1300	1600	2100	2600
12.0	400	800	1080	1300	1750	2160
14.0	350	700	920	1140	1500	1850
16.0	300	625	810	1000	1310	1625
18.0	270	540	720	880	1150	1400
20.0	250	500	650	800	1050	1300
22.0	200	440	590	720	950	1180
24.0	180	400	530	660	875	1080
26.0	160	370	500	610	800	1000
28.0	140	340	450	570	750	900
30.0	120	300	420	530	700	850

PART 04

Thick Material



125 Series Hydraulic Precision Leveler



≤ 40.0mm Thick Material

Parameters of 125 series leveling machines (suitable for thick plates)

Roller diameter (mm): Φ125mm

Width (mm): 500, 1100, 1300, 1600, 2100, 2600 etc. (customizable according to product requirements)

Number of rollers: upper 7 + 8 lower = 15 rollers

Rated plate thickness for full width: 5.0-20.0mm

Maximum plate thickness : 40mm

Minimum leveling length: 250mm (can not below twice of the roller diameter)

Leveling speed: 0-10m/min

Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)

Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 125 Series(Material Q235/Yield Strength 235MPa)

Thickness\Width	125-500-15	125-1100-15	125-1300-15	125-1600-15	125-2100-15	125-2600-15
5.0-20.0	500	1100	1300	1600	2100	2600
25.0	400	860	1040	1280	1680	2080
30.0	300	710	850	1050	1400	1700
35.0	270	600	730	900	1200	1450
40.0	240	520	640	800	1050	1300

160 Series Hydraulic Precision Leveler



≤ 50.0mm Thick Material

Parameters of 160 series leveling machines (suitable for thick plates)

- Roller diameter (mm): Φ160mm
- Width (mm): 500, 1100, 1300, 1600, 2100 ,2600 etc. (customizable according to product requirements)
- Number of rollers: upper 6 + 7 lower = 13 rollers
- Rated plate thickness for full width: 8.0-25.0mm
- Maximum plate thickness : 50mm
- Minimum leveling length: 320mm (can not below twice of the roller diameter)
- Leveling speed: 0-10m/min
- Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)
- Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 160 Series(Material Q235/Yield Strength 235MPa)						
Thickness\Width	160-500-13	160-1100-13	160-1300-13	160-1600-13	160-2100-13	160-2600-13
8.0-25.0	500	1100	1300	1600	2100	2600
30.0	375	825	975	1200	1575	1950
35.0	300	660	780	960	1260	1560
40.0	250	550	650	800	1050	1300
45.0	200	460	540	675	900	1100
50.0	170	410	470	600	780	975

200 Series Hydraulic Precision Leveler



≤ 80.0mm Thick Material

Parameters of 200 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: 10.0-35.0mm

Maximum plate thickness : 60mm

Minimum leveling length: 400mm (can not below twice of the roller diameter)

Leveling speed: 0-10m/min

Leveling accuracy: ≤ 0.3mm/m² (final accuracy subject to equipment testing)

Applicable objects: coils, sheets, flat parts, mirror sheets, etc.

Table for Leveled Width Range of 200 Series(Material Q235/Yield Strength 235MPa)

Thickness\Width	200-1100-11	200-1300-11	200-1600-11	200-2100-11	200-2600-11
10.0-35.0	1100	1300	1600	2100	2600
45.0	880	1040	1280	1680	2080
50.0	730	850	1050	1400	1700
55.0	620	730	900	1200	1480
60.0	550	650	800	1050	1300



2026 Thanks

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