

MAHATMA GROUP

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Mahatma Industrial Park, Keji Avenue, Shiwan Town, Boluo County, Huizhou, Guangdong Province, P.R.China

Jiangxi Production Base
Mahate Technology Park, Dajue Mountain Road, High tech Zone, Fuzhou City, Jiangxi Province

Jiangsu Branch
No. 9 Talou Road, Huaqiao Town, Kunshan City, Suzhou City, Jiangsu Province
Xishan District, Wuxi City, Jiangsu Province
Gaoxinzhou Haiyan City Nantong City Jiangsu Province

Shandong Branch
No. 152 Chongqing North Road, Chengyang District, Qingdao City, Shandong Province
South District of Nanwu Fuyuan Community, Xingfu Town, Boxing County, Binzhou City, Shandong Province

Chengdu Branch
Facade No. 8, Building 7, Yongding Village, Pidu District, Chengdu City, Sichuan Province

Foshan Branch
No.1, Building 3, Liyuan (Metal) Logistics City, Chencun Town, Shunde District, Foshan City, Guangdong Province

Zengcheng Branch
No. 16 Jianglong Avenue South, Shitan Town, Zengcheng District, Guangzhou City, Guangdong Province

Shanghai Branch
No. 16 Jianglong Avenue South, Shitan Town, Zengcheng District, Guangzhou City, Guangdong Province

Zhejiang Branch
Jitong Building, Panhuo Street, Yinzhou District, Ningbo City, Zhejiang Province
No. 1183 Jinxiu Road, Danan Street, Lucheng District, Wenzhou City, Zhejiang Province

Anhui Branch
Dikuang Huafu, Jin'an zone, Liu an City, Anhui Province

Hunan Branch
Jinzhou Industrial Park, Ningxiang, Changsha City, Hunan Province

Jilin Branch
No. 1022, Building A2, Jiyun Logistics Park, Lvyuan District, Changchun City, Jilin Province

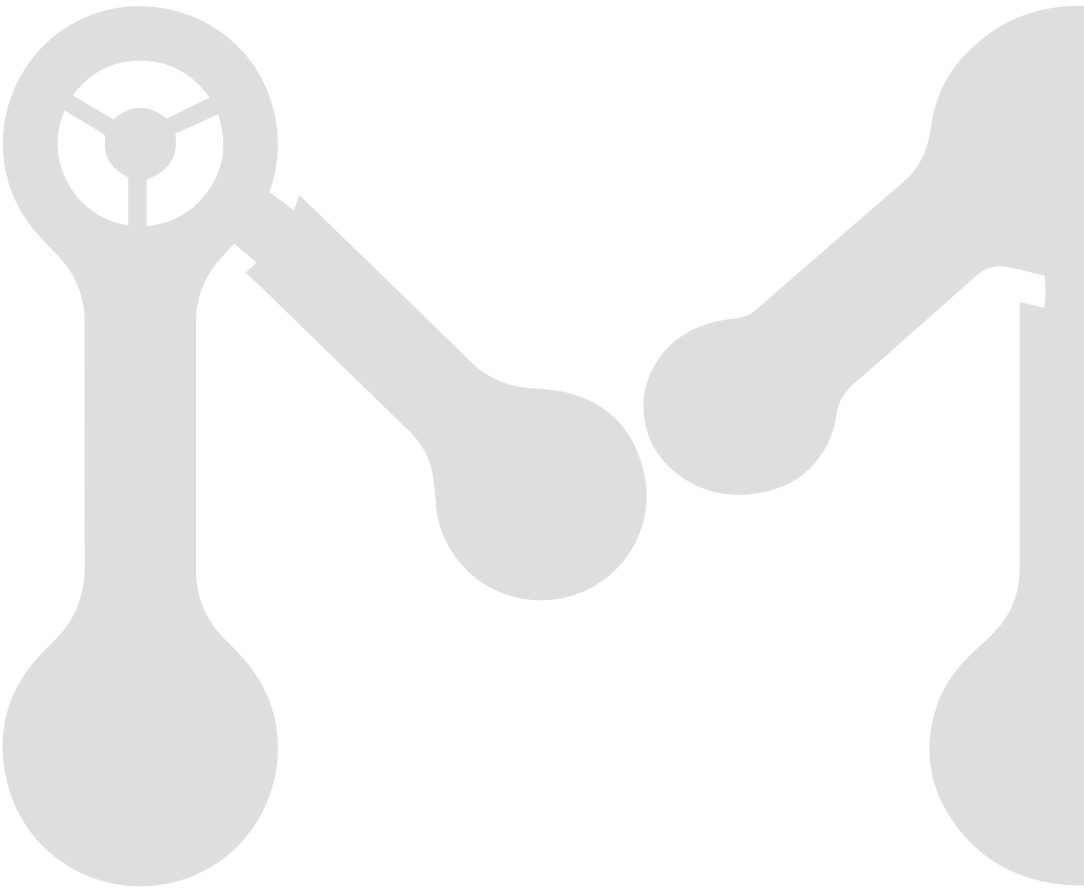
Hebei Branch
Mahatma, Machang Town, Qingxian County, Cangzhou City, Hebei Province

Shenyang Branch
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Wuhan Branch
Room 405, 4th Floor, Beigang Creative Incubator Building (Hongshan Creative Center),
No. 52 Shucheng Road, Hongshan District, Wuhan, Hubei Province, P.R.China



High-end international
leveling equipmentintelligent manufacturing service provider



Let things go back right way



抖音二维码
Douyin account



公众号二维码
Official Account



官网
Official Website

Group Introduction



■ Group profile

MAHATMA mission is to assist in the domestic substitution and industrial upgrading of intelligent manufacturing. Since its establishment in 2003, it has continuously innovated its technological products and solutions in cutting-edge innovation fields such as leveling machines, automated production lines, smart systems, and supporting equipment.

We are a sheet metal parts straightening intelligent manufacturing solution service provider that integrates research and development, production, sales, and service. It is a leading international high-end leveling equipment intelligent manufacturing brand with global competitiveness, as well as a national high-tech and specialized new enterprise.

As the pioneer of intelligent super leveling technology equipment, MAHATMA has achieved full category coverage of leveling equipment from low-end to high-end. With more than 20 years of industry accumulation and technological innovation, our manufacturing process and leveling accuracy have reached the most advanced international level.

2003 _y	15000 ₊	50000 _{m²}	19	350 ₊	20000 _{m²}
Found	Cases	Plants	Branches	Employee	R&D Center

■ MAHATMA global Intelligent manufacturing center

Locate in Fuzhou National High tech Development Zone, Jiangxi Province, the first phase covers an area of 20000 square meters and the second phase covers an area of 30000 square meters, with over 200 employees; More than 20 R&D experts. We have advanced production facilities and equipment, focus on automation and intelligent applications, adhere to investment and improvement, to improve production efficiency and product quality.

Dedicated to technological progress and innovation, providing customers with the highest quality products and services.



■ MAHATMA global R&D center

Located in Dongguan, covering an area of approximately 20000 square meters, with over 150 employees and 30 research and development experts. We Integrating design, research and development, OEM, sales, and exhibition halls, investing huge resources and manpower, Gathering top-notch experts and scientists in the industry, dedicated to the application and development of intelligent super correction technology. And collaborate with top domestic and foreign universities such as Tsinghua University to build industry university research bases, continuing to explore At the forefront of technology, we aim to develop efficient, precise, safe, and energy-saving super straightening technologies for industrial upgrading Make contributions to manufacturing.

Innovative methods and tools. We will be committed to developing efficient, precise, safe, and energy-saving super straightening technologies, which will be applied in multiple fields such as sheet metal, industry, transportation, and energy Domain contributes to the sustainable development of human society.

Historical process

We will continue to move forward, continue to challenge ourselves, provide customers with more excellent products and services, and make greater contributions to the development of the industry. We believe that the journey ahead will be even more exciting and we will continue to write gorgeous chapters.

In 2003, driving the dream of vision, Dongguan Shijie Yongsheng Machinery Equipment Sales Department was established.

2003

2005

In 2005, the scale was expanded and Dongguan Yongsheng Machinery Equipment Co., Ltd. was established and began to independently develop levelers and various non-standard automation

In 2006, four major business divisions were established, including leveling machines, punch press peripheral equipment, non-standard automation, and manipulators/robots, and vigorously expanded overseas business.

2006

In 2015, it invested 50 million yuan to build an international intelligent manufacturing production base in Fuzhou, Jiangxi. In the same year, the MAHATMA high-end brand was born;

2015

2008

In 2008, the name was changed to: Guangdong Dayong Sheng Technology Co., Ltd.; and passed the ISO9001 quality management system, EU CE certification. Sales are both internal and external.

In 2018, the company's reputation remains evergreen, and it has been rated as "Credit Cultivation Unit", "China's Industry Leading Brand", "Contract-abiding and Trustworthy Unit", "China's Famous Brand" and other titles. In the same year, it became the designated unit for the teaching practice base of Guangdong South China University of Technology and other universities.

2018

In 2021, MAHATMA Laser will be established to fully implement the integration of automated smart production lines, forming a two-headed development of leveler + smart production line business;

2021

2025

In 2023, the MAHATMA Group brand will be completely upgraded, moving at full speed towards a leading brand in the intelligent manufacturing of international high-end leveling equipment.

2024

In 2022, MAHATMA's global business will continue to grow and become the leading brand of metal leveling equipment with leading sales in the industry.

2019

In 2019, innovative technology won the title of "Guangdong Province Specialized New Enterprise". At the same time, it began to layout and establish Mahatma marketing service centers in Kunshan, Qingdao, Chongqing, Ningbo, Changsha and other places;

2017

In 2017, through diversified development, Guangdong MAHATMA Intelligent Technology Co., Ltd. was established and the R&D center was established in Dongguan. In the same year, it was awarded the title of National High-tech Enterprise, and the company has obtained hundreds of utility model patents and multiple invention patent certificates.

Group culture



Let things go back right way

MAHATMA



Mission

Super wisdom, benefiting the world



Vision

The world's leading brand of high-end leveling equipment and smart factories



Values

Right knowledge, happiness, achievement, altruism, bright



Business philosophy

Unity of knowledge and action, sincerity and trust, excellence, symbiosis and common prosperity



Service purposes

Start from the customer, consider the customer, be responsible to the customer, and satisfy the customer



Group spirit

desire, belief, will, action



Group slogan

MAHATMA leveling machine- Let things go back to right way

Honorary qualifications and patents

With more than 20 years of innovative capabilities and technical strength, MAHATMA has applied for and won more than 150 national patents and related qualifications.



Wisdom OS intelligent operating system

The certificate provided by ISO standard certification is a good indicator that the enterprise is serious, responsible and professional, and is constantly looking for ways to improve the enterprise, which will make the enterprise a better investment object.



Wisdom OS intelligent operating system

The "Ce" mark is a safety certification mark that is regarded as a manufacturer's passport to open and enter the European market.



Wisdom OS intelligent operating system

When an enterprise obtains the measurement management system certification, it is a recognition from the government that the enterprise meets the ISO10012 international standard, and a recognition of the enterprise's measurement management capabilities from international and domestic markets.



Wisdom OS intelligent operating system

Software copyright is an important condition for the identification of "high-tech enterprises", "software enterprises" and "software products".

Until Mar. 2024

150+

Utility model patents

50+

Patent

30+

Appearance patent

>In 2008, it passed the ISO9001 quality management system, EU CE certification, etc.

>In 2017, it was approved as a national high-tech enterprise

>In 2019, won the title of "Guangdong Province Specialized and New Enterprise"



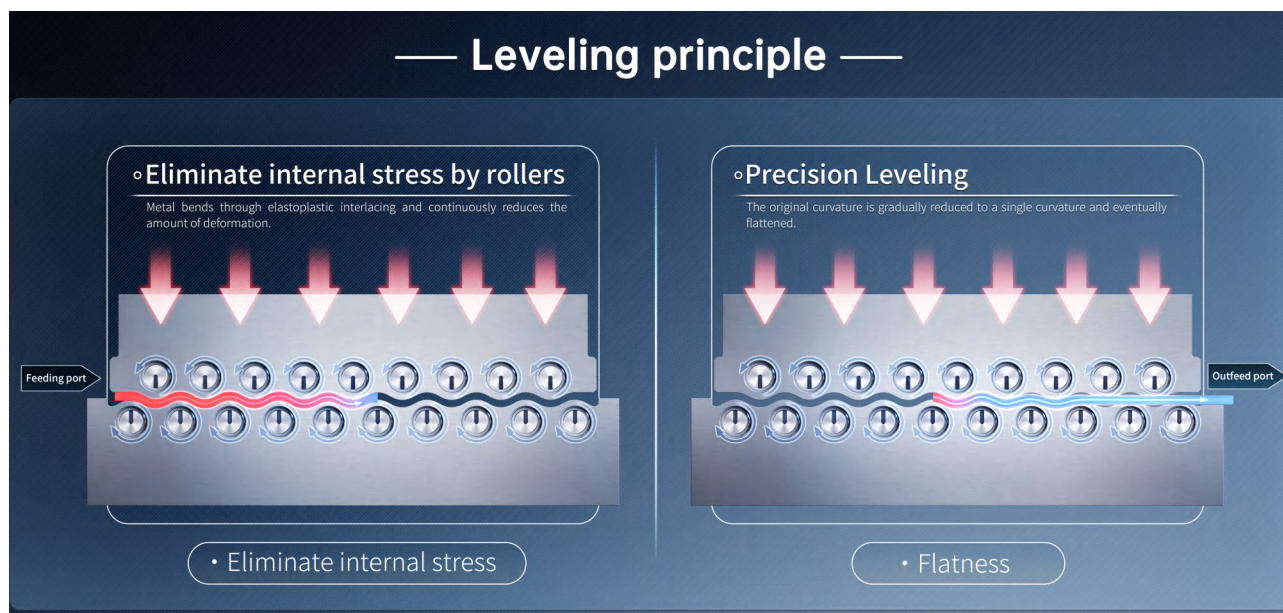
What is leveling

Roller leveling is a simple and fast processing method for obtaining high-precision flat parts, plates, or strips. For example, in the past, leveling could only be carried out by experienced and experienced workers. For roller leveling, anyone can quickly and conveniently master the processing method.

By using roller leveling, a plate will undergo multiple consecutive alternating bends. From the inlet to the outlet of the roller leveler, each group of leveling rollers is arranged in a staggered manner. In this way, there is always one roller in the two opposite leveling rollers that is the down pressing roller. From the first leveling roller to the outlet, the alternating bending degree gradually weakens. The bending process is similar to a gradually weakening Sine wave. Through elastic-plastic staggered bending and continuously decreasing deformation, the sheet will become flat, and more importantly, stress is eliminated and ultimately leveled!

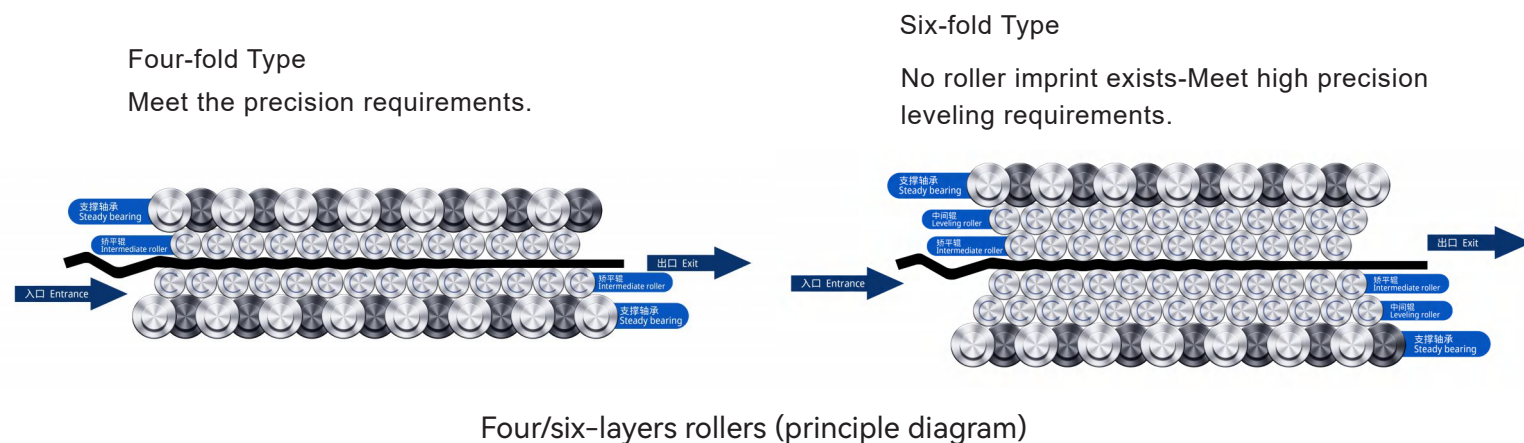
After leveling, direct subsequent processing is carried out without the need for time-consuming and laborious rework. So roller leveling is a process of releasing the internal stress of the material itself to flatness! Abbreviated as "eliminating internal stress, leveling flatness!"

"Only those committed to innovation will truly discover the future of leveling technology."



Structure introduction

The roll leveling has a double, four and six structure. With the increase of the weight, the leveling effect is more precise. The middle roll and the lower support ensure the Incompressibility of the roll, which perfectly reduces the gap between the upper and lower leveling rolls. The plate is repeatedly bent by using the "Bauschinger effect" of the material, and the bending strength gradually decreases toward the exit. With the increase of the number of leveling rolls, The number of alternating bends also increases, gradually transforming various original curvatures into a single curvature, and ultimately leveling them to achieve the required flatness accuracy in the process.



Performances and features of Four layers type

- Uniform force distribution of leveling rollers
- Good structure rigidity, small deformation, high leveling accuracy
- The surface quality of leveling plate is good, the transmission is stable, and the noise is low
- Suitable for carbon steel plate and stainless steel plate

Performances and features of Six Layers type

- Uniform force distribution of leveling rollers
- Good structure rigidity, small deformation, high leveling accuracy
- The surface quality of the leveling plate is good, the transmission is stable, the noise is low, and there is no roller indentation
- Single-sided three-layer roller: support bearing, intermediate roller, leveling roller
- Suitable for carbon steel plate, stainless steel plate, aluminum plat

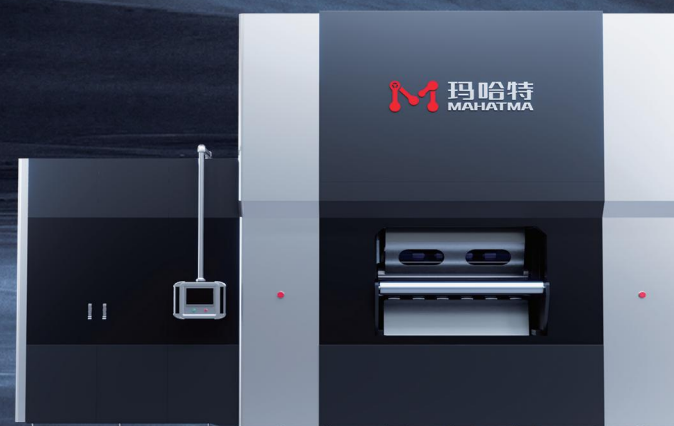
Product Series

Let things go back right way

Reconstructing industrial machinery manufacturing-related industries
with new smart super-correction technology

MHTR

Servo hydraulic high precision leveling machine series



MHTW

Intelligent Servo-CNC Leveling machine series



MHTM

Intelligent CNC Leveling machine series



VSH/VST

Two/four layers leveling machine series



ROYAL (Honorable style):
Servo hydraulic high precision leveling machine series



The series of models adopts hydraulic and CNC technology imported from Germany, combining the accuracy of the servo control system and the powerful power of the hydraulic system. This makes it perform even better in processing large, thick and high-precision material leveling! Maintain a constant correction roller gap to reduce deformation and ensure stable correction effects. Parallel multi-rollers, hydraulic locking and dense support technology meet high-precision leveling needs. Compact design, small footprint, high processing accuracy, and silent operation. Comparable with imported equipment, low cost and quick response. Quickly and accurately monitor component flatness with micron-level accuracy.

Suitable for fine surface requirements of large thick steel plates, non-ferrous metals, mirror sheets, sheet metal, laser cutting parts and flame cutting parts. The quadruple or sixfold roller structure provides uniform roller force and high rigidity without leaving any rolling marks. , can solve problems that are difficult to solve with general leveling, and has wider applicability. These advantages of hydraulic levelers make them an ideal choice for industries that require high-precision leveling, such as new energy, military industry, heavy machinery, automobiles and trucks, construction, ships, aviation, and metal processing.

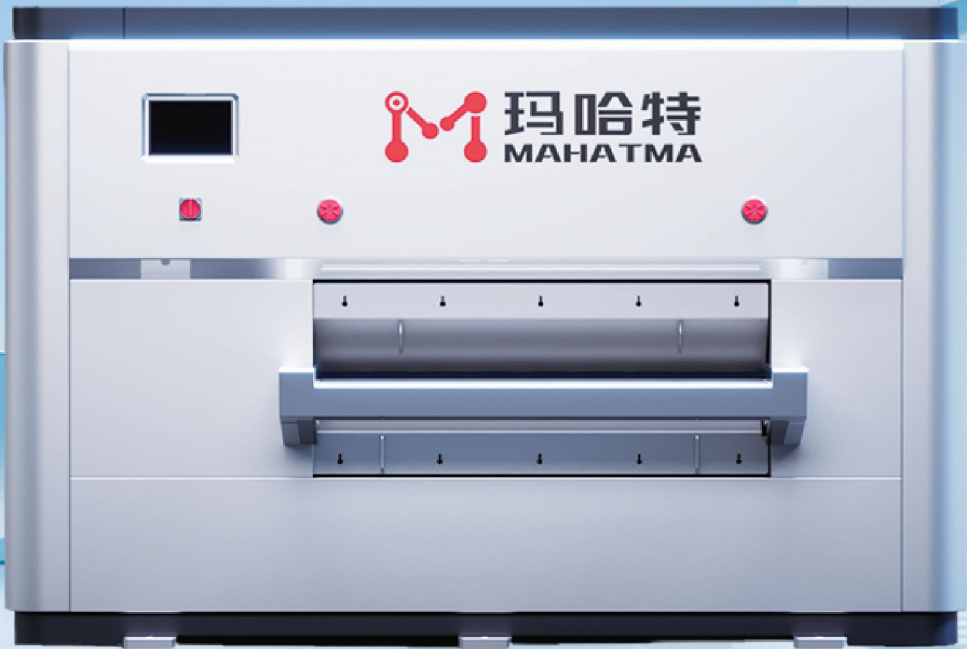
Cutting-Edge Performance	Max. leveling width: 6 m; Max. leveling thickness: 100 mm; Highest precision: up to 0.01 mm
Mortise-and-Tenon Frame	Fully enclosed frame with ultra-high load-bearing capacity, space-saving design, and enhanced overall stability and rigidity. Eliminates deformation for consistent, long-lasting performance
Revolutionary Innovation	Servo-hydraulic hybrid drive delivers precise force control and positioning, high torque and pressure, fine adjustability, and rapid response
Intelligent Benchmark	Next-generation intelligent ultra-leveling control system; fully automatic unmanned operation, real-time monitoring and adjustment, remote control, automatic counting, and other advanced features
Alloy Roller Bank	Densely arranged full-support structure enhances rigidity and precision. Built with alloy steel construction for long-term, consistent working performance
Robust Power	Hydraulic design delivers powerful, uniform leveling force, easily meeting the leveling needs of various high-quality metal materials
Eco-Friendly & Energy-Efficient	Compared to traditional hydraulic systems, it reduces energy consumption by 70%, delivering eco-friendly operation, reduced material waste, improved productivity, and lower maintenance costs
Wide Compatibility	Adaptable to diverse manufacturing scenarios, it processes materials ranging from thin to thick and soft to hard, offering exceptional versatility
Anti-Corner Collapse Feature	Equipped with dynamic servo-hydraulic compensation technology to prevent corner collapse, improving leveling precision and material surface quality

MHTY系列(Series):

Model	MHTY30	MHTY40	MHTY50	MHTY60	MHTY80	MHTY100	MHTY120	MHTY150	MHTY200
Width	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm
Roll diameter	30	40	50	60	80	100	120	150	200
Rated thickness	0.5-3.0mm	0.6-4.0mm	0.8-5.0mm	1.0-8.0mm	2.0-10.0mm	3.0-12.0mm	4.0-20.0mm	6.0-30.0mm	8.0-40.0mm
Maximum thickness	5.0mm	8.0mm	10.0mm	15.0mm	25.0mm	30.0mm	40.0mm	50.0mm	60.0mm
Number of rolls	23	23	23	21	15/19	15/19	15/19	15/19	11/15
Shortest part	60	80	100	130	150	160	190	250	310
Leveling speed	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min
Voltage	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V
Optional	● Four and six-fold rollers and number of rollers ● Loading and unloading manipulator ● Loading and unloading robot ● Inlet and outflow assembly line ● The support roller is adjusted by motor independently ● Automatic detection platform								
	Larger, special size, faster speed can be customized according to demand								

* Equipment parameters calculated according to Q235 material and yield strength 235 MPa.

Wits (Flagship style):
Intelligent Servo-CNC Leveling machine series



Premium & Refined	Industrial aesthetic design, premium automotive-grade paint with multi-layer precision coating process — a symbol of strength that exudes prestige and superior quality
Kunpeng Structure	Patented structural craftsmanship with high-strength construction delivers shockproof, pressure-resistant, rock-solid stability. The fully open design features one-touch deployment for easy access
Energy-Saving Pioneer	Servo motor-driven leveling gap control ensures precision and efficiency. Powered by the latest energy-saving technology, it delivers eco-friendly operation with robust performance
Gelu Roller Bank	The dense full-support structure combined with wide support shafts provides high strength with minimal indentation, enhancing load-bearing capacity for long-term stability and zero deformation
Benchmark Performance	Intelligent roll cartridge pull-out cleaning system enables quick and easy cleaning of leveling rolls and support rolls — an industry-first in China!
Smart Technology	The intelligent HMI (Human-Machine Interface) enables real-time monitoring and adjustment, with advanced features including remote control and automatic counting
Safety Guardian	Overload protection, photoelectric safety protection, intelligent misoperation warning, and more
All-Scenario Adaptability	Seamless integration with various production lines to enhance line automation levels
Anti-Corner Collapse Feature	Dynamic servo compensation technology prevents corner collapse, improving leveling precision and material surface quality

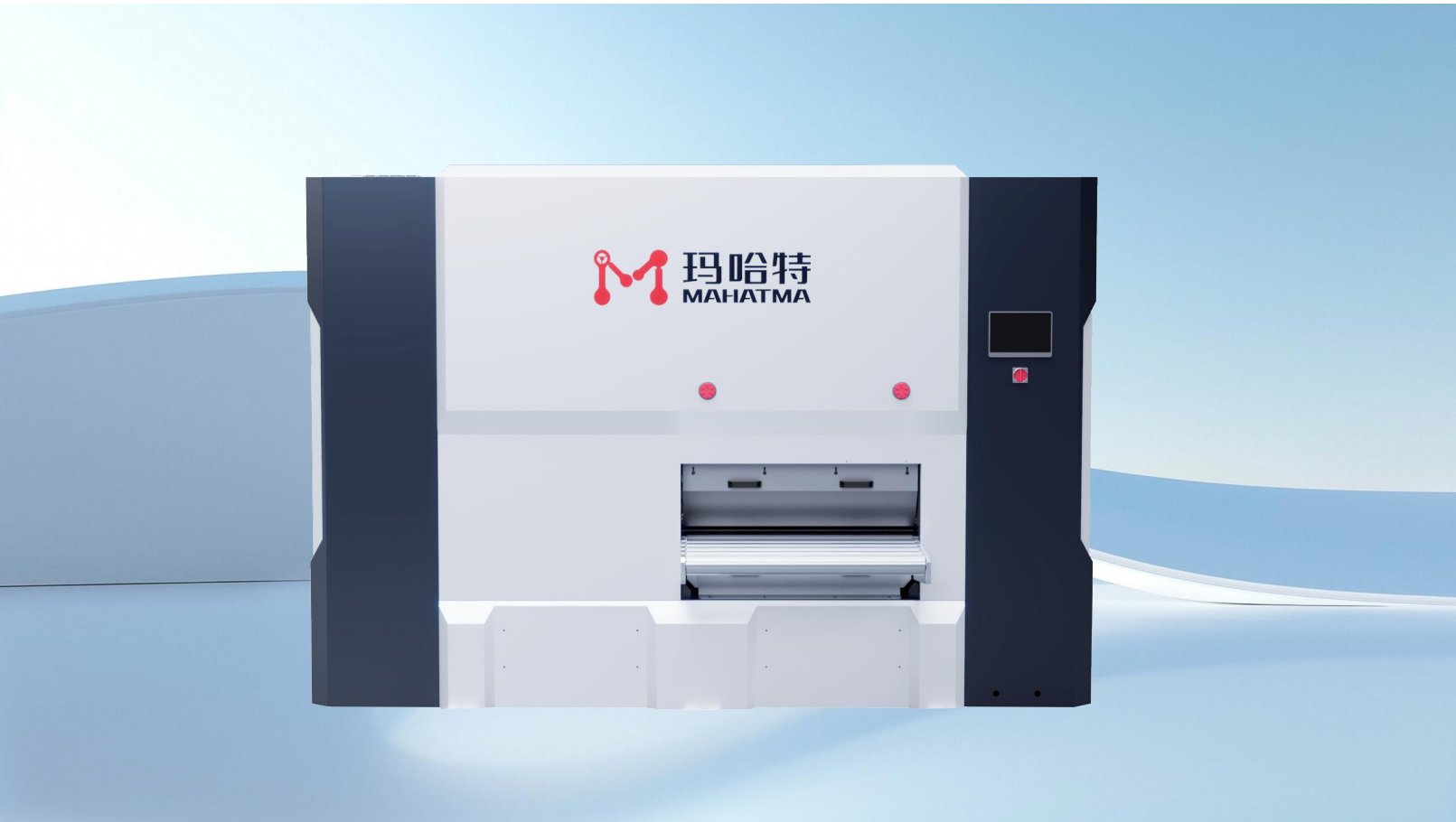
MHTP系列(Series):

Model	MHTP15	MHTP20	MHTP30	MHTP40	MHTP50	MHTP60	MHTP80	MHTP100
Width	0-600mm	0-1300mm	0-1600mm	0-1600mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm
Roll diameter	15	20	30	40	50	60	80	100
Rated thickness	0.08-1.0mm	0.3-1.2mm	0.5-2.0mm	0.6-3.0mm	0.8-4.0mm	1.0-6.0mm	2.0-8.0mm	3.0-12.0mm
Maximum thickness	2.0mm	3.0mm	4.0mm	6.0mm	8.0mm	12.0mm	16.0mm	20.0mm
Number of rolls	33	23	23	23	23	21	19	19
Shortest part	30	40	60	70	90	100	130	160
Leveling speed	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min
Voltage	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V	AC3-phase 380V
Optional	● Four and six-fold rollers and number of rollers ● Loading and unloading manipulator ● Loading and unloading robot ● Inlet and outflow assembly line ● The support roller is adjusted by motor independently ● Automatic detection platform							
Larger, special size, faster speed can be customized according to demand								

* Equipment parameters calculated according to Q235 material and yield strength 235 MPa.

MASTERY (Deluxe style):
Intelligent CNC Leveling machine series

Compared with other ordinary leveling methods, the series of control systems have the functions of storing, calling, and editing process and equipment parameters, and have the function of identifying and warning of misoperations. The 10-inch high-precision touch screen displays. When in use, on the operating platform, the inlet and outlet reduction can be set according to parameters such as plate thickness, plate width, material strength, or existing parameters in the database, so as to realize the work roll entry and exit clearance, etc. Electric adjustment, and can be adjusted and corrected manually. Compared with traditional manual leveling methods, CNC leveling machines greatly improve production efficiency. Suitable for sheet metal processing that requires higher flatness and straightness.



Benchmark Performance	Max. leveling speed: 10 m/min; Thickness range: 0.03-30 mm
Superior Cost-Effectiveness	Premium performance, superior cost-effectiveness, maximized return on investment (ROI)
Precision Craftsmanship	Precision-engineered support structures in a dense arrangement ensure consistent leveling quality, reduce friction, and deliver long-term stability
Intelligent Operation	Intelligent CNC adjustment and fully automated operation ensure user-friendly handling, quick setup, intelligent process management, and improved productivity
Eco-Friendly & Energy-Efficient	Powered by precision motor drives, it delivers 50% lower energy consumption, enabling cost reduction, efficiency gains, and eco-friendly, economical operation
Safe & Reliable	Comprehensive safety protection with misoperation early warning ensures maximum production safety
Flexible Customization	Customizable production tailored to customer requirements meets the processing needs of various industries and specifications, delivering bespoke solutions for each client
High-Efficiency Synergy	Supports synergistic operation with other equipment and integration with upstream/downstream machinery, enabling highly coordinated and efficient production line operation

MHT系列(Series):

Model	MHT10	MHT15	MHT20	MHT30	MHT40	MHT50	MHT60	MHT80	MHT100	MHT120	MHT150	MHT200
Width	0-300mm	0-600mm	0-1300mm	0-1600mm	0-1600mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm	0-2100mm
Roll diameter	10	15	20	30	40	50	60	80	100	120	150	200
Rated thickness	0.03-0.6	0.08-1.0	0.3-1.2	0.5-2.0	0.6-3.0	0.8-4.0	1.0-6.0	2.0-8.0	3.0-12.0	4.0-16.0	6.0-25.0	8.0-30.0
Maximum thickness	1.0mm	2.0mm	3.0mm	4.0mm	6.0mm	8.0mm	12.0mm	16.0mm	20.0mm	25.0mm	30.0mm	40.0mm
Number of rolls	25	25	23	21	21	19	19	19	19	19	15/19	15/19
Shortest part	20	30	40	60	70	90	100	130	160	190	240	310
Leveling speed	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min
Voltage	AC3-phase 380V											
Optional	● Four and six-fold rollers and number of rollers ● Loading and unloading manipulator ● Loading and unloading robot											
	● Inlet and outflow assembly line ● The support roller is adjusted by motor independently ● Automatic detection platform											
Larger, special size, faster speed can be customized according to demand												

*Equipment parameters calculated according to Q235 material and yield strength 235 MPa.

VAGUE (Basic style):
Two / four layers leveling machine series

This series of levelers are not as good as high-end levelers in terms of performance and automation, but their simple design, easy operation and maintenance make them an ideal choice for many small processing companies and low-cost production lines. It aims to use the "Bauschinger effect" of the material to repeatedly bend the plate to eliminate the internal stress of the material, level the flatness of the material, and achieve the flatness accuracy required by the process!

Compared with highly automated straightening machines, this leveling machine may require more manual operations, such as manually adjusting the roll gap. It is more suitable for small batch production or low-frequency processing needs. The cost is relatively low, and it is suitable for those with limited budgets. Or used in small processing sites that do not require high straightening accuracy.

Space-Saving	Compact design with a small footprint maximizes space utilization, ideal for work environments with limited space
Energy-Efficient & Low-Carbon	Energy-efficient operation supports corporate green initiatives, significantly cutting power consumption and operational costs
Cost-Effectiveness	Low equipment cost makes it suitable for applications with budget constraints or moderate leveling precision requirements
Enhanced Precision	Improves material flatness, reduces waste caused by material defects, and increases material utilization rate
Technological Innovation	Optimized leveling process with advanced repeated bending technology saves material and labor, boosting productivity and economic benefits
Easy Maintenance	The equipment features a relatively simple structure, enabling easy maintenance and repair with low upkeep costs
Return on Investment (ROI)	Low initial investment enables quick return on investment (ROI), meeting general production needs at a low cost
Versatile Applicability	Ideal for leveling single-type products, with precise, straightforward, and efficient operation

SHS/STS系列(Series):

Model	SHS12	SHS15	SHS20	SHS32	SHS42	SHS50	SHS60	SHS80	STS42	STS70	STS90	STS120
Width	0-400mm	0-400mm	0-600mm	0-800mm	0-800mm	0-800mm	0-800mm	0-800mm	0-800mm	0-1600mm	0-1600mm	0-1600mm
Roll diameter	12	15	20	32	42	50	60	80	42	70	90	120
Rated thickness	0.03-0.5	0.08-1.0	0.2-1.5	0.5-2.0	0.6-3.0	0.8-3.5	1.0-6.0	2.0-8.0	0.4-3.0	1.0-6.0	2.0-8.0	3.0-10.0
Maximum thickness	1.0mm	1.5mm	2.0mm	3.0mm	5.0mm	6.0mm	10.0mm	14.0mm	6.0mm	10.0mm	14.0mm	20.0mm
Number of rolls	19	19	19	19	19	19	15	15	19	13	13	13
Shortest part	20	30	40	60	70	90	105	130	70	120	150	195
Leveling speed	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min	0-10m/min
Voltage	AC3-phase 380V											
Optional	● Four and six-fold rollers and number of rollers ● Loading and unloading manipulator ● Loading and unloading robot ● Inlet and outflow assembly line ● The support roller is adjusted by motor independently ● Automatic detection platform											
Larger, special size, faster speed can be customized according to demand												

* Equipment parameters calculated according to Q235 material and yield strength 235 MPa.

■ Roller automatic extraction cleaning device



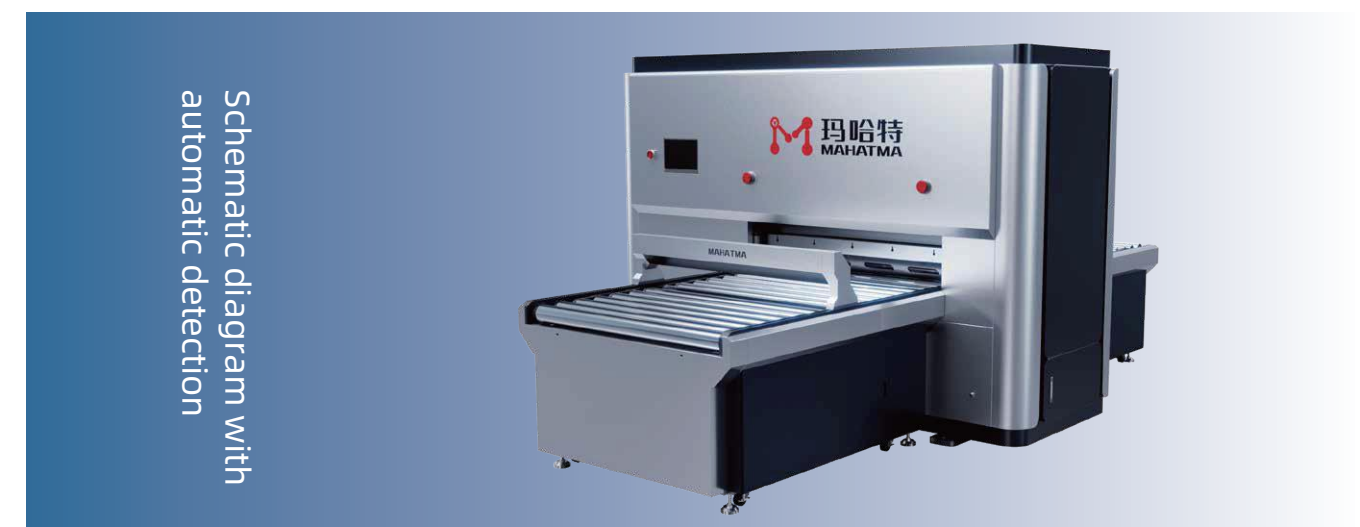
Mahatma patent technology, unique in China, the whole leveling roller box open maintenance

aims to solve the need for roller box cleaning. Compared with thicker and heavier leveling rollers, which require the use of cranes and other auxiliary tools when disassembling, this system realizes automated roller box extraction and cleaning, requiring only one person to operate, greatly improving operational safety and production efficiency. It also improves cleaning efficiency and convenience. By fully covering the roller box, the system ensures thorough cleaning, avoids the negative impact of residues on the production line, reduces production line downtime and manual operation workload, and ensures consistent product surface quality.

And during the leveling process, residues such as burrs, metal chips, and oxides contained in the material often remain on the leveling roller. If not cleaned in time, these residues may cause negative effects such as dents, bruises and scratches on the surface quality of subsequent products. This system is especially suitable for the leveling process of aluminum alloy and other products.

■ With automatic detection Levelling machine

- Can be used to detect the flatness of metal products, the measurement process does not need to stop, the measurement speed is fast;
- Automatic detection, greatly improve the efficiency of measurement, mechanization and rapid measurement of flatness, simple and convenient operation, highly accurate.
- Measurement application: rapid detection of the flatness of metal sheet.



Smart Factory - Fully Automated Whole-Line MoldingCustomization

Multi-module linkage, intelligent manufacturing in full closed loop
One-stop overall integration, adaptive for diverse scenarios



■ One-stop Integration · Flexible Manufacturing

Flexible manufacturing In the era of intelligent manufacturing, customers have higher requirements for production efficiency, flexibility and automation. We provide customized intelligent forming production line services for the whole plant, integrating the whole process automation capabilities from feeding → forming → processing → storage → delivery. The system covers key links such as uncoiling, leveling, cutting, stamping, bending, embossing, tile pressing, stacking, warehousing and logistics scheduling, and builds a fully automatic, high-speed and high-precision intelligent production line.

The system adopts the integrated architecture of Industrial Internet of Things (IIoT) + PLC/MES to realize equipment linkage, production line collaboration, data visualization and remote operation and maintenance. We provide customers with a full-process customized service from the early process analysis to the back-end logistics docking, and help build a sample of the future smart factory.

■ Front-end process



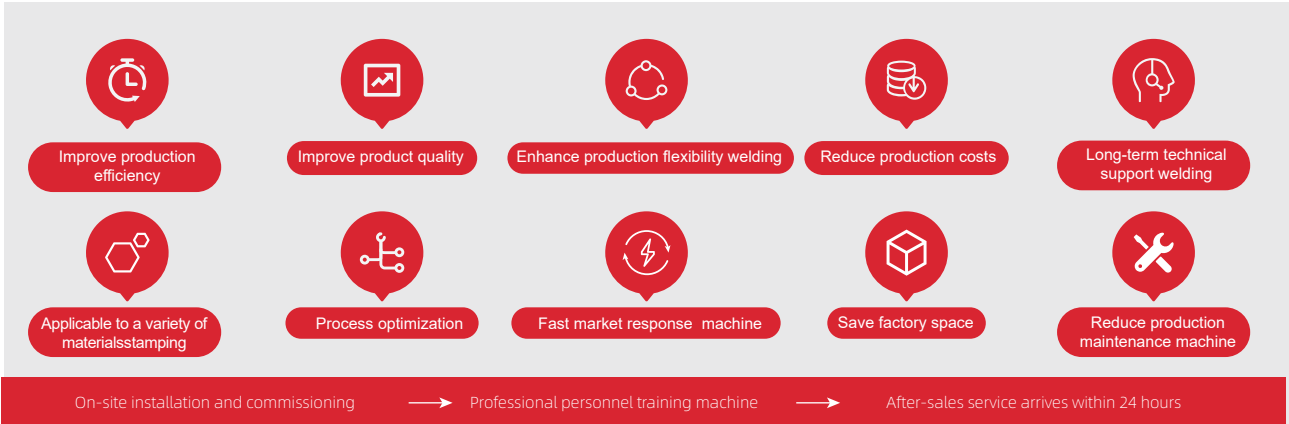
■ Mid-end process



■ Back-end process



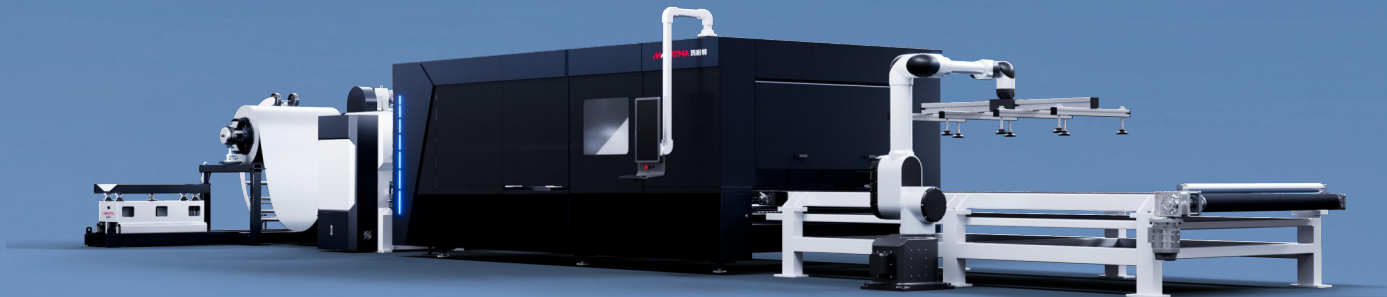
■ Advantages of the whole line customized solution



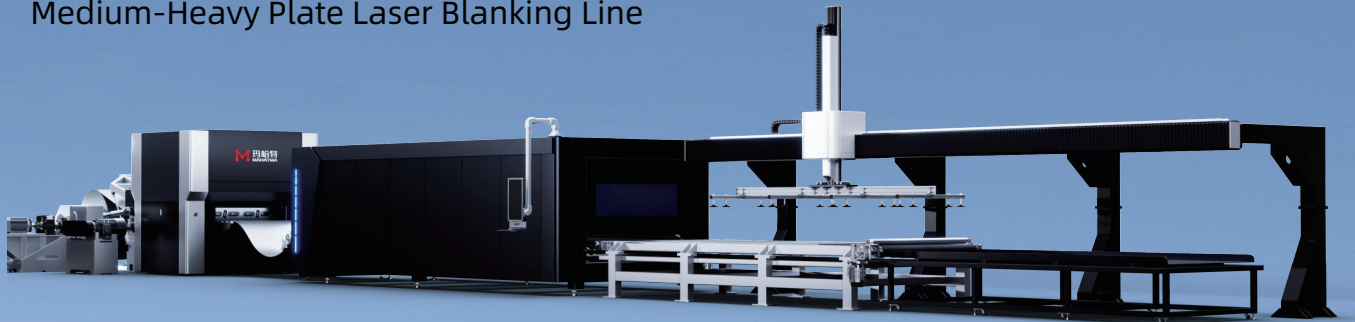
Leveling + Laser,Full-Process Customization

Master All Thicknesses
Precision Leveling & Cutting
Multi-Material Mastery
SmartLine™ Seamless Integration

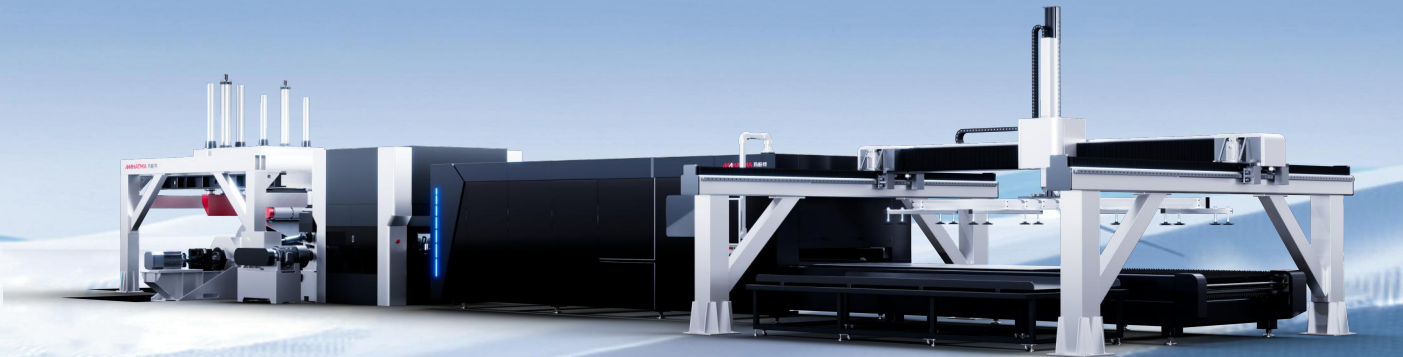
High-Throughput Solutions Precision-Tailored to Sheet Thickness, Material & Volume
Five series address multi-scenario flexible manufacturing demands.



Medium-Heavy Plate Laser Blanking Line



HL Series | Heavy Plate Laser Blanking Line



XL Series | Ultra-thick Plate Laser Blanking Line



Ultra-Thin Plate Laser Blanking Line



Thin Plate Laser Blanking Line

■ Comparison of Core Parameters Across Series

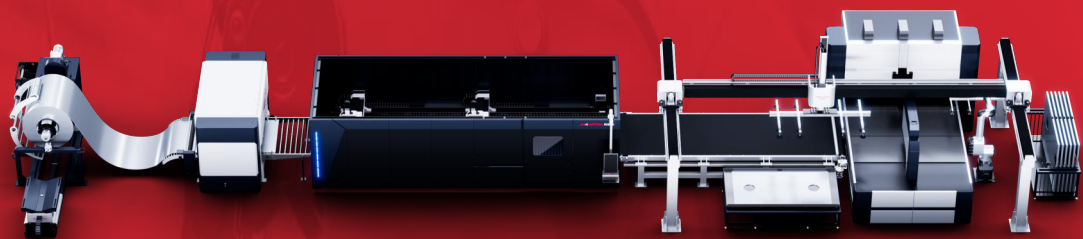
Parameter Category	UL	TL	ML	HL	XL
Thickness Range	0.1-0.8mm	0.3-3.0mm	1.0-8.0mm	3.0-20mm	6.0-25mm
Width Range	200-1500mm	600-2500mm	600-2500mm	600-2500mm	600-2500mm
Positioning Accuracy	±0.02mm/m	±0.02mm/m	±0.02mm/m	±0.02mm/m	±0.02mm/m
Laser Power	1500-3000 W	1500-6000 W	3000-12000 W	3000-20000 W	60000-30000 W
Blanking Method	Optional Configuration				
Single/multi-laser configuration	Optional Configuration				

Note: Modular options include single/multi-laser configurations, hydraulic/CNC leveling systems, automatic nesting, and robotic loading/unloading. Units are custom-built to exact specifications.

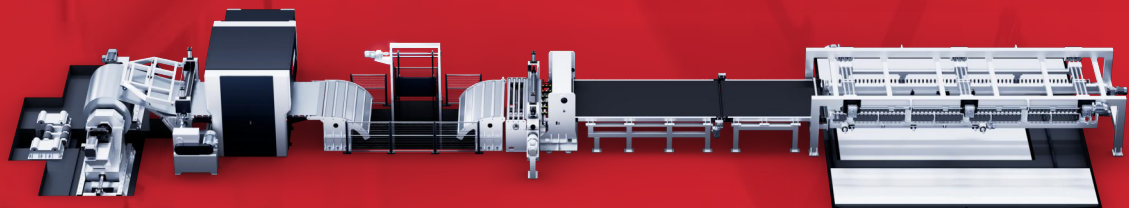
Automated smart factory

The automated smart factory is a one-stop solution for leveling automated smart manufacturing t is a modern production line that integrates automation technology, information technology artificial intelligence and Internet of Things technology. We can provide aullset of services from design, integration to implementation to help Enterprises build efficient and flexible intelligent productionlines to achieve seamless connections from raw materials to finished products.

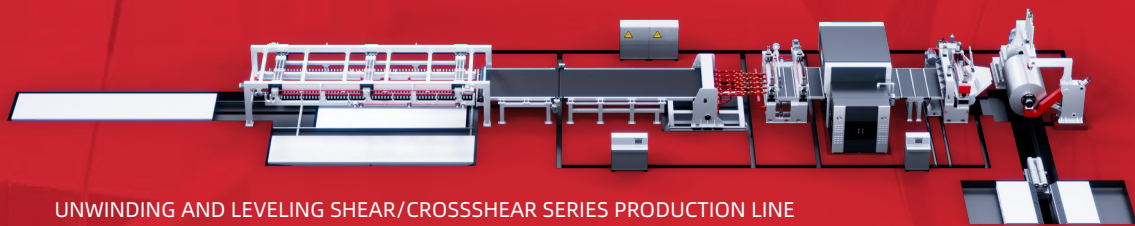
The solution covers everything from automatic uncoiling, leveling and feeding, automatic shearing and stamping, laser blanking. utomatic collecting and loading, wool removal. precision leveling and automatic flatness detection, automatic bending, welding and assembly, spraying In all aspects, including intelligent monitoring and maintenance, the optimization of the production process and decision support can be



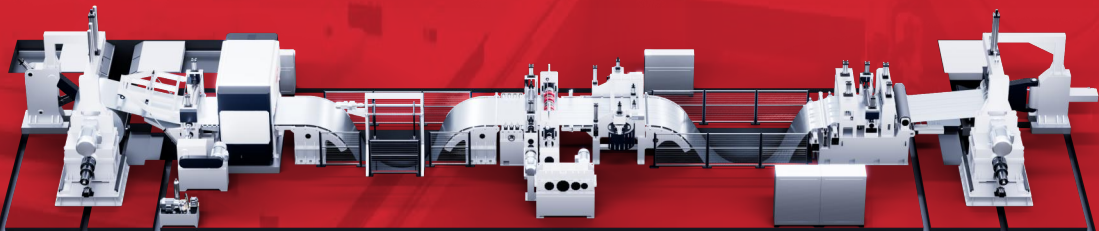
UNWINDING, LEVELING, AND LASER BENDING PRODUCTION LINE.



UNWINDING AND LEVELING SHEAR / CROSSSHEAR SERIES PRODUCTION LINE

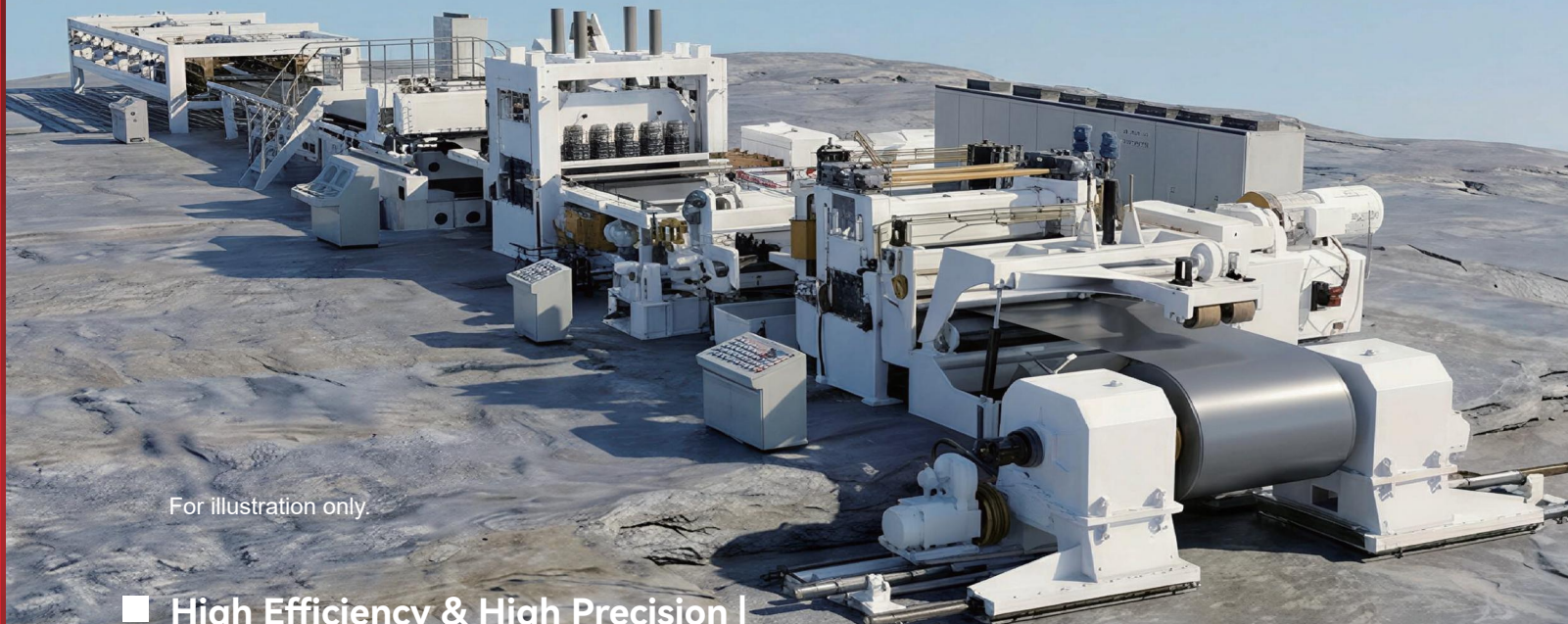


UNWINDING AND LEVELING SHEAR/CROSSSHEAR SERIES PRODUCTION LINE



UNWINDING AND LEVELING LASER CUTTING DROP LINES

UNWINDING AND LEVELING SHEAR/CROSS SHEAR SERIES PRODUCTION LINE



For illustration only.

High Efficiency & High Precision | Flexible Compatibility | One-stop Solution for Metal Plate Processing

The high-precision uncoiling, leveling and shearing/cross-cutting production line is an integrated sheet processing system that combines automatic uncoiling, precision leveling, fixed-length cutting, and intelligent material collection. It is specifically designed for industries with extremely high requirements for sheet flatness and dimensional accuracy.

Equipped with a modular control system, this production line enables rapid changeover and compatibility with multiple specifications. It is widely applied in fields such as automotive, home appliances, elevators, hardware, and precision sheet metal fabrication — ensuring high-efficiency output while effectively reducing labor costs and material waste.

SPECIFICATIONS

Parameter / Model	Material Thickness (mm)	Material Width (mm)	Shearing Accuracy (mm)	Max. Feeding Speed (m/min)	Max. Shearing Frequency (spm)	Max. Coil Weight (ton)
UD-2x650	0.3-0.8	100-650	±0.5	60	100	5
TD-2x650	0.3-2.0	100-650	±0.5	60	100	10
TD-2x1000	0.3-2.0	100-800	±0.5	60	100	10
TD-2x1400	0.2-2	500-1250	±0.5	60	50	15
TD-2x1800	0.2-2	500-1600	±0.5	60	50	15
TD-2x2000	0.2-2	900-1800	±0.5	50	40	20
TD-3x1600	0.5-3	500-1250	±0.5	50	40	20
TD-3x1800	0.5-3	500-1600	±0.5	50	40	20
TD-3x2000	0.5-3	900-1800	±0.5	45	40	30
TD-3x2300	0.5-3	900-2200	±0.5	45	40	30
MD-6x1600	1-6	900-1400	±0.8	30	20	20
MD-6x2000	1-6	900-1800	±0.8	25	20	30
MD-8x1800	2-8	900-1650	±0.8	25	20	30
MD-8x2000	2-8	900-1800	±0.8	25	20	30
HD-12x1800	3-12	900-1650	±1.5	25	10	30
HD-12x2000	3-12	900-1800	±1.5	25	10	30
HD-16x2000	4-16	900-1800	±2-3	20	8	30
HD-25x2500	4-25	900-2300	±2-3	20	8	30

Cutting accuracy and speed are based on a 2m sheet length.
Number of cuts is calculated for 300mm sheet length.
Technical specs and equipment configuration can be customized per customer requirements.



UNWINDING AND LEVELING SHEAR/CROSS SHEAR SERIES PRODUCTION LINE

- Fully automated continuous operation
- Precise feeding and cutting
- Eliminate internal stress, ultra-high flatness
- Reduce labor costs
- Improve material utilization rate

UNWINDING AND LEVELING LASER CUTTING DROP LINES

High Efficiency · Precision · Flexible Adaptability · One-Stop ■ Metal Sheet Processing Solution

This automated line is designed for longitudinal slitting and multi-strip coiling of metal coils. Ideal for processing cold-rolled steel, stainless steel, galvanized sheet, silicon steel, aluminum alloy, and more.

Integrates automatic uncoiling, precision leveling, slitting, tension control, and recoiling — all controlled via an intelligent system for rapid (size) changeover and continuous high-speed operation.

Widely used in: automotive, home appliances, hardware, construction materials, and related industries.



效果仅供示意

SPECIFICATIONS

Parameter / Model	Material Thickness (mm)	Material Width (mm)	Shearing Accuracy (mm)	Max. Feeding Speed (m/min)	Max. Shearing Frequency (spm)	Max. Coil Weight (ton)
UF-2x800	0.2-2	100-650	±0.5	100	250	5
UF-2x1000	0.2-2	100-800	±0.5	100	250	8
UF-2x1400	0.3-2	400-1300	±0.5	100	200	15
UF-2x1800	0.3-2	400-1600	±0.5	90	160	25
UF-2x2000	0.3-2	400-1800	±0.5	90	150	25
MF-3x800	0.3-3	100-650	±0.5	80	250	8
MF-3x1000	0.3-3	100-800	±0.5	80	250	8
MF-3x1400	0.3-3	400-1300	±0.5	80	200	15
MF-3x1800	0.3-3	400-1600	±0.5	80	160	25
MF-3x2000	0.3-3	400-1800	±0.5	80	150	25

Some specifications are for reference only.
Actual parameters will be customized according to customer requirements.

SPECIFICATIONS

Parameter / Model	Material Thickness (mm)	Material Width (mm)	Slitting strip quantity	Max. Feeding Speed (m/min)	Max. Coil Weight (ton)	Leveling equipment
UC-1x600	0.2-1	80-600	8-30	50 ~ 250	5	可选
UC-1x1400	0.2-1	500-1300	12-30	50 ~ 200	10	可选
UC-1x1800	0.2-1	500-1600	12-30	50 ~ 200	15	可选
UC-2x600	0.2-2	80-600	6-30	50 ~ 150	10	可选
UC-2x800	0.2-2	80-650	6-30	50 ~ 150	10	可选
UC-2x1400	0.2-2	500-1300	12-30	50 ~ 200	15	可选
UC-2x1800	0.3-2	500-1600	12-30	50 ~ 200	15	可选
UC-2x2000	0.3-2	500-1800	12-30	50 ~ 200	15	可选
TC-3x1800	0.3-3	500-1600	8-30	50 ~ 180	15	可选
TC-3x2000	0.3-3	500-1800	8-30	50 ~ 180	25	可选
TC-3x2500	0.3-3	900-2000	8-30	50 ~ 180	25	可选
TC-4x2500	1-4	900-2000	6-30	50 ~ 120	25	可选
MC-6x1800	1-6	900-1600	6-30	30 ~ 80	30	可选
MC-12x2500	2-12	900-2000	5-30	20 ~ 50	30	可选

Some specifications are for reference only.
Actual parameters will be customized according to customer requirements.

Technological innovation
and breakthroughs

Smart super leveling technology

World's first Master the next generation of leveling technology

Fully intelligent automated unmanned operation

We are committed to technological innovation and breakthroughs. With years of hard work and technological accumulation by the R&D team headed by the chairman, we have successfully developed industry-leading smart super leveling technology.

■ Smart super leveling technology

This technology uses advanced control systems and leveling algorithms to achieve efficient real-time control and automatic adjustment, improving the leveling effect and stability. Laser three-dimensional detection technology and image processing algorithms are used to monitor and identify surface defects in real time, accurately evaluate the leveling effect and correct the leveling parameters. We also optimize the design and wear resistance of the leveling rollers through innovative materials and processes to improve the leveling effect and manufacturing efficiency. These breakthroughs have made our smart super leveling technology widely recognized in the market. We will continue to pursue technological progress and provide customers with high-quality, intelligent leveling solutions.

■ Three dimensions of wisdom and super correction



More thorough control

The fully automatic detection system can independently detect the deviation range of parts, the smart leveling equipment can link to extract real-time data for precise correction, and the remote monitoring equipment can inform the time, location and inefficiency points of faults, thereby achieving smarter service provision.



Deeper wisdom

Sensors, controllers, frequency converters as well as smart screens, digital control and analysis tools in the equipment automatically monitor the two-way flow of leveling accuracy.



Wider compatibility

Equipment with intelligent CNC control systems can independently adapt to most traditional production lines and integrate seamlessly to truly achieve interoperability and interconnection. This step must be corrected first when upgrading production lines.



R&D achievements and patents

Independent intellectual property rights Breaking foreign technology monopoly

Comprehensively master the advanced technology of high-end CNC leveling equipment

Wisdom OS intelligent
operating system

Clean CS automatic roll box
extraction cleaning system

Level DS automatic plane
detection system

RBCS remote control system

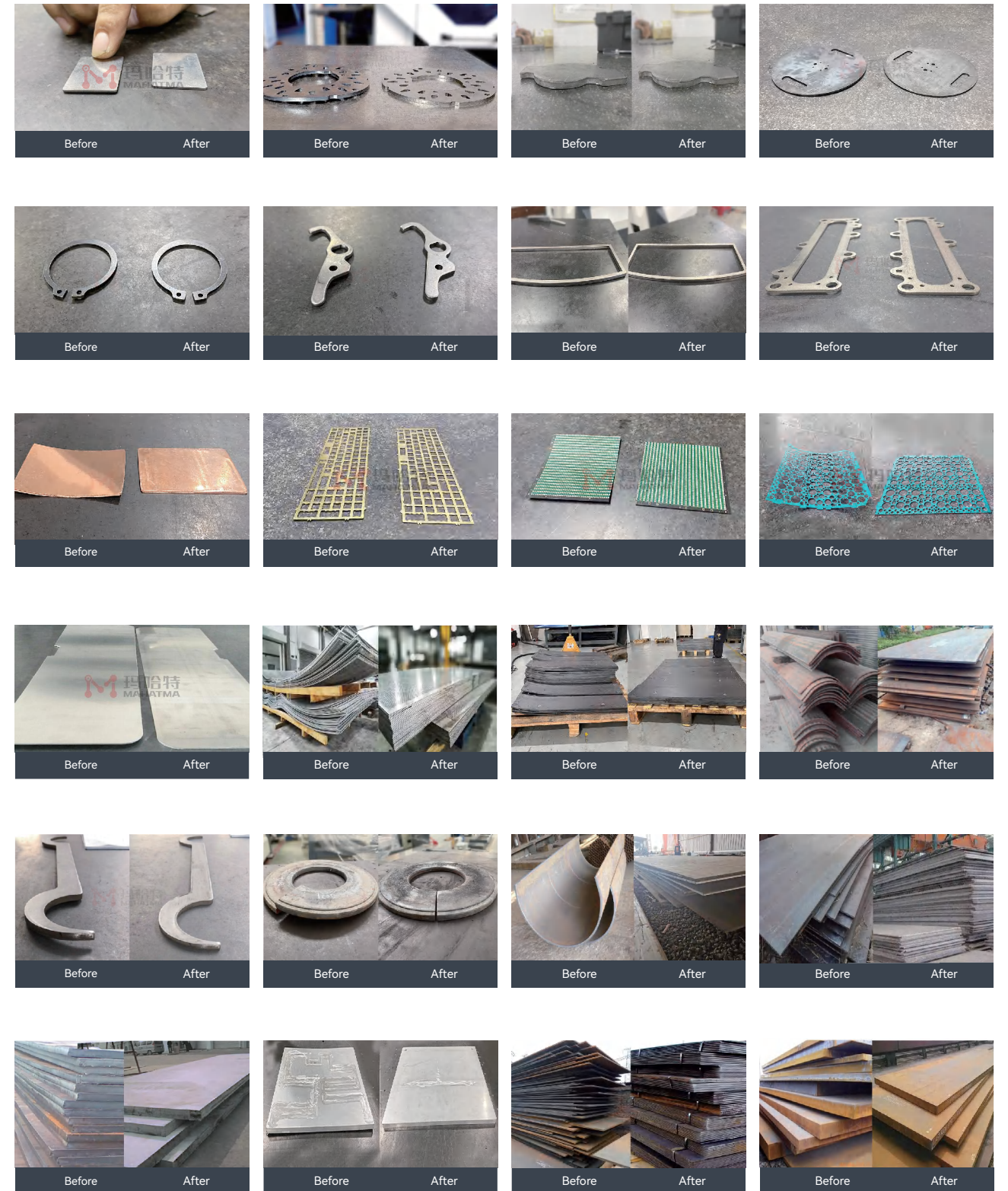
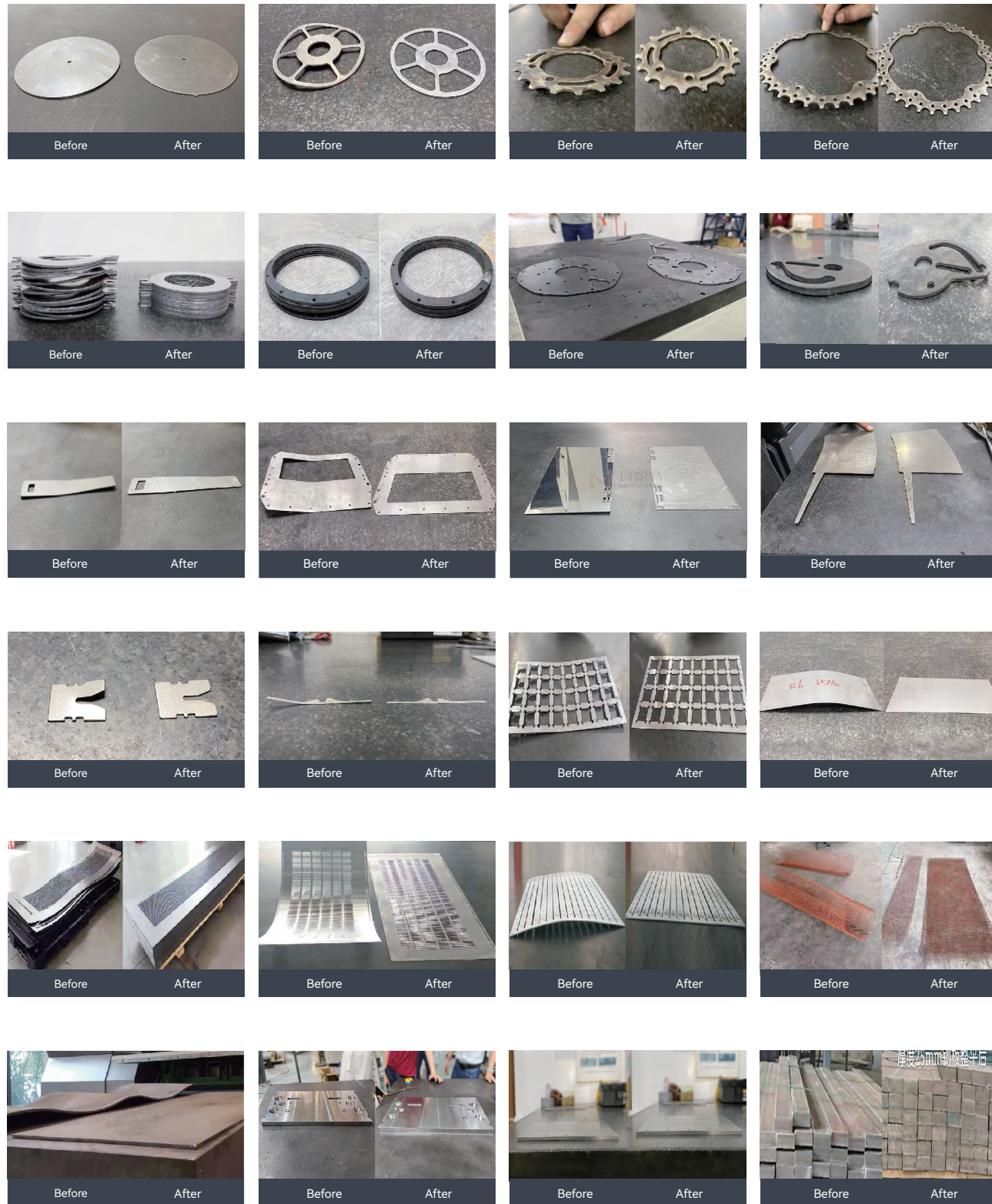
We have conducted in-depth research and innovation in the automatic control of leveling machines, intelligent super-straightening algorithms, surface defect detection, and manufacturing processes. These R&D achievements and patents not only reflect our innovation capabilities in the technical field, but also prove our technical strength and competitive advantages as a leading brand in the industry.



Wisdom OS intelligent operating system

Wisdom OS intelligent operating system is an intelligent operating system with independent learning and optimization functions specially designed for controlling and managing leveling machines. The system integrates MAHATMA's smart super-correction technology and has a number of key functions, including autonomous learning and optimization, intelligent control, data monitoring and reporting, remote access and control, misoperation identification and early warning, and production line efficiency optimization. By collecting and analyzing production data, Wisdom Os can automatically identify potential problems and provide improvement measures to improve production efficiency and product quality.

Comparison chart before and after leveling



Production scale



Global partner

We have also signed strategic partnerships with domestic leading enterprises such as Dazui Laser and HGTECH. And with BYD, DJI, Zoomlion, Huawei, State Grid Co., LTD., Foxconn, China First Automobile Group Co., LTD., China North Industries Group Co., LTD., Aluminum Corporation of China, Jiangxi Copper Group Co., LTD., China Electronics Technology Group Co., LTD., Midea Group Co., LTD., Jinchuan Group Co., LTD., Ningde Times New Energy Technology Co., LTD., Jiangsu Shagang Group Co., LTD., Zijin Mining Group Co., LTD., China National Nuclear Corporation Co., LTD., Shanghai Electric Holding Group Co., LTD., ZTE Corp., Sany Heavy Industry Co., LTD., Liuzhou Iron and Steel Co., LTD., Anhui Construction Engineering Group Co., LTD., Aviation Industry Corporation of China The top 00 large group has formed a long-term and stable cooperative relationship, providing customers with high-quality domestic cutting-edge products, and promoting the long-term and stable development of domestic intelligent manufacturing industry upgrading.

