

Wevford Technology

Your trusted partner

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credibility and integrit**y**



team



honour



win-win



persist in



aim for the highest



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Vertest enterprise profile

1.1 Business profile



Weifu De (Yangzhou) Technology Co., Ltd. is specialized in the research and development, production and sales of material testing machine, photovoltaic new energy and machine tool processing parts. Our products include universal testing machine, fatigue testing machine, creep testing machine and other material mechanical testing systems, as well as key components of material mechanical testing equipment such as actuators, sensors, fixtures, high and low temperature environment box, as well as automatic distribution robot and automatic sweeping robot.

The company has cooperated with a number of well-known enterprises and research institutes, after years of continuous efforts and research and development, has gradually formed a complete reliability test system development system. We have become a professional manufacturer and service provider in the field of material mechanics testing equipment in China, with a complete product range and high reliability. Weifu Technology has provided many reliability test solutions for customers in various industrial fields, such as automobile, rail transit, shipbuilding, construction and so on at home and abroad, and has won unanimous praise and many honors in the industry.

Based on today, we are full of confidence; looking forward to the future, we sing and laugh all the way!

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1.2 **Development** process

The company was established in 2014 In 2016,

Turkey and Mexico school straight machine project completed

In 2018,

Signed the creep fatigue test and fatigue test machine project with Russia

In 2020,

Complete 2500°C ultra-high temperature mechanical

properties test test

system; Spain test machine plant oem In 2021, equipment frame. Cooperate with

non-standard fatique test system of Institute of Metals of CAS;

establish

German VF

partnership with

In 2015,

Establish strategic partnership with Dongcompany, realize the import of more critical parts of fatigue test machine, and complete the export projects to South Korea, Russia

In 2017,

Cooperation with iterative fatigue test system

Establish a creep testing machine cooperative development project with

In 2019,

budatech, India

1.3 Corporate culture



corporat e vision

business miss Become the international world-class test equipment service provider

Provide a trusted trial solution

core values Honest, fair and steady creation

Enterpris e style Diligent, rigorous, realistic, pragmatic

02Part

VFTest presentation

2.1 Test type products

Electronic universal and creep testing machine Mechanical properties and long-

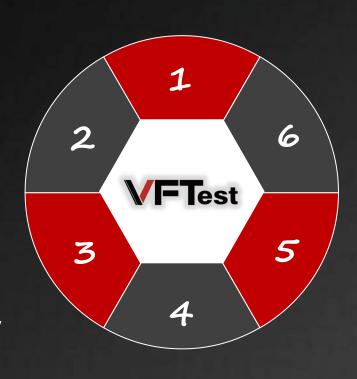
Mechanical properties and longtime test of static materials

Electro-hydraulic servofatigue testing machine

High week, low week, equal amplitude, variable amplitude, block wave loading, static, dynamic, durability, strength, and custom tests

Electromagnetic resonance high-frequency fatigue testing machine

High frequency tensile, compression test and fatigue performance and fracture mechanical performance test under tension pressure alternating load.



Ultra-high temperature and complex environment mechanics test system

800-2500°C atmosphere and vacuum

leveler

10 tons-1000 tons of shaft parts, rod production line straightening machine, automatic loading and unloading and quality sorting.

Appendix of test machine

High temperature clamp, high and low temperature environment box, actuator, extension meter, force sensor, controller, etc

2.2 Product features

Non-standard customization: non-standard customization of frame size, test fixture, high and low temperature environment box, software and other modules

Products and services: the field installation, commissioning and training of professional engineers and technicians

Remote control: It can realize the remote control of the test equipment.

- Static mechanics
- Long-term performance was stable
- Dynamic calibration function
- Sensor

- Dynamic mechanics
- fracture toughness
- Road spectrum iteration
- Multi-axis mixing test

- Environmental mechanics
- 2,500°C Vacuum test
- Water vapor environment
- atmospheric environment
- High low

- leveler
- Hot and cold calibration
- High beat efficiency
- Automatic

loading and unloading and sorting

- appendix
- High-precision load sensor is of 0.03% level
- 1600°C high temperature extension meter
- High temperature

on

2.3 Electronic universal testing



operative norm:

GB / T 7314-2005 Test Method for Room Temperature (per ASTM E9-89a (2000))

GB / T 232-2010 method for bending (per ISO 7438-2005)

ASTM E8-2016a Method for tensile test at room temperature

ISO 6892-1-2016 Tensile tests for metallic materials -- Part 1: Test methods at room temperature

BS EN 10002-1 tensile test method for metal materials

JIS Z 2241-1998 Tensile test method for metal materials technical parameter

- 1. Host form double column landing type host double space
- 2. The maximum test force is 20 kN / 10 kN
- 3. If the test force measurement range / min, it is better than \pm 0.5%
- 11. Speed / test force capacity 200mm0.4%~100%FS / 0.2%~100%FS (customized)
- 4. The accuracy of the test force measurement value is \pm 0.5%
- 5. Force control rate adjustment range is 0.005 to 5% FS / s
- 6. When the precision rate of force control rate control is less than 0.05%FS / s, it is better than the set value of $\pm 1\%$;
- A rate greater than 0.05%FS / s exceeds $\pm 0.5\%$
- 7. Cross displacement resolution is 0.00004mm
- 8. Cross bar displacement accuracy is \pm 0.5%
- 9. The speed range is 0.005~1000mm / min
- 10. Cross am speed accuracy speed below 500mm / min
 The maximum test force of 1 / 2 is allowed below 1000mm / min
- 12. Deformation measurement range 2% FS~100%FS (optional axial extension)

VFTest

About the enterprise

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2.3 Creep testing machine



operative norm:

GB / T2039-2012 Metal Tensile Creep and Persistent Test Methods GB / T10120 Test Methods for Stress and relaxation of Metal Materials HB5151- -96 Test Method for Creep HB5150- -96

ASTM E139-2011 Test Methods for Creep and Breaking of Metal Materials

ASTM E1012-2019 Standard for Force Value and Coaxial Degree Verification

ASTM E4-2016 Routine Practice for Test Force Value Calibration **CENTIFY OF PAPARISH PROPERTY OF THE PROPERTY**

- 2. Measurement error of test force: ± 0.5%;
- 3. Measurement range of test force: 1%FS~100%FS;
- 4. Pull rod speed: 0.001~100mm / min;
- 5. Maximum stroke of the pull rod: 200mm;
- 6. Coaxial degree of the upper and lower clamping heads: 8% (national standard);
- 7. Deformation measurement range: 0~12mm;
- 8. Deformation measurement resolution: 0.001mm;
- 9. Deformation measurement error: ± 0.002mm;
- 10. Heating control mode: three electric heating wire heating, section control;
- 11. Furnace wire diameter: Φ 1.5mm / Φ 5mm;
- 12. Operating temperature: 300~1100°C;
- 13. Unitropical length: 150mm / 200mm;
- 14. Furnace shell surface temperature rise: 90°C;
- 15. Temperature fluctuation degree: ± 2°C;
- 16. Temperature gradient: 3°C;

2.3 Electro-hydraulic servo fatigue testing machir e



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operative norm:

GB / T 2611-2007 General Technical Requirements for Test Machine JB / T 8612-2015 Electro-hydraulic Motor Motor Universal Testing Machine

JJG 556-2011 Axial Afterforce Fatigue Testing Machine
GB / T 6398-2000 Test Method for Fatigue Crack Extension Rate of
Metal Materials

GB / T 4161-2007 KIC Test Method for plane strain fracture toughness of metal materials

technical pa

technical parameter

- 1. Maximum static test force is ± 100 kN
- 2. Maximum dynamic test force is ± 80 kN
- 3. Test force measurement range is 4-100%FS
- 4. Load static measurement accuracy: ± 0.5% of the value
- 5. Load dynamic measurement accuracy: ± 2.0% of the value
- 6. Movement of actuator ± 75mm (± 50mm optional)
- 7. Precision of the displacement measurement: ± 0.5%FS
- 8. Test frequency range is 0.01-50Hz
- 9. The external size is about 7209002800 mm (length, width and height, subject to the actual design)
- 10. Net spacing of columns is 500mm
- 11. Vertical test space 50-650 mm (distance between clamlets)

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2.3 Electromagnetic resonant high-frequency fatigue testing machine



operative norm:

JB / T 5488-1991 Standard for High-Frequency Fatigue Testing Machine

technical parameter

- 1. Maximum average load (kN): ± 20
- 2. Max. unidirectional pulse load (kN): ± 20
- 3. Maximum alternating load (peak kN): 10
- 4. The test force measurement range is 4%~100% F · S
- 5. Relative error of the average load value: ± 0.5
- 6. Frequency range (Hz): 60~300 (multistage frequency regulation)
- 7, the whole machine power: AC 220V 1.0kW
- 8. Average load fluctuation degree: 0.5 F · S
- 9. Transtation load fluctuation: 0.5 F · S
- 10. Max. distance (mm): 500
- 11. Max. distance between the two columns (mm): 350



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2.3 Ultra-high temperature mechanical properties test



function Introduction:

leveler

mechanism

Hot and cold calibration High rate of shooting Automatic loading and unloading and sorting

The system is used for the high temperature mechanical properties of 600-2,0500°C. Including short-time stretching, fatigue test, low weekly cycle, lasting creep and other tests. The corresponding test fixture can also be configured for compression, three-point bending, short beam shear, double gap shear and c model ZK1600 ZK2000

heating rate

Workvacuum

final vacuum

Deformation measuremen

Argon gas inflating rate

and c	model	ZK1600	ZK2000	ZK2500
Ħ,	working temperature	600∼1600°C	600∼2000°C	600∼2500°C
	operative mode	Vacuum or inflatal	ole	
	uniform temperature zon e length	50mm or custom-i	made	
	temperature gradient	600∼1200°C	1200∼1600°C	1600∼2500°C
	·	≤5°C	≤10°C	≤1%T
	temperature fluctuation	≤±3°C		
	heating element	Select the molybdording to the used t	enum alloy and the temperature	tungsten alloy acco
	Temperature measuremen t element	_	sten, photoelectric of according to the ter	
	Temperature measuremen t sensitivity	0.1°C		
	temperature measuremen t accuracy	Thermocouple pre \pm 0.75%	cision level, photoe	lectric colorimeter:
	Measurement and control temperature point numbe r	Both tropical: 1 temessurement	mperature control, 2	1 or 3 temperature

5~50°C/min

 μ m, linear error: \pm 0.25%FS; 510-4 Pa (steady-state)

elected according to the requirements

810-5 Pa (cold state)

Imported differential transformer: minimum degree of 1

The rate is adjustable, and the argon gas purifier can be s



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2.3 Automatic straightening



technical parameter

leve	ler
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- Hot and cold calibration
- High rate of shooting
- Automatic loading and unloading and sorting mechanism

model project	JEC 10	ÿJE C10− L	JEC 30	ЖЈЕ С30- L	JEC 50	፠JE C50- L	JEC 80	ЖЈЕ С80- L		
Host type	Thro	ugh th	e type	e type						
Can calibrate the out er diameter of the ax is	ф10^	ф30	ф30^	~ф50	ф40^	° ф70	ф50^	'ф90		
Can be the length of the axis	≤50 0m m	≥50 0m m	≤50 0m m	≥50 0m m	≤50 0m m	≥50 0m m	≤50 0m m	≥50 0m m		
Fixed point number	≤3	≤5	≤3	≤5	≤3	≤5	≤3	≤5		
Measure the numbe r of points	≤3	≤5	≤3	≤5	≤3	≤5	≤3	≤5		
certainty of measure ment	±5μ	.m								
Measurement meth od			(semi- measu		heet st	tandar	d gear			
Workpiece speed	30 ∼	120r.բ	o.m							
Workpiece positioni ng mode			r oute orkpied		refer	ence a	it each	en		
navar			_		Vorkst LC (co		•	colle		
Maximum loading ca pacity	100K	.N	300K	(N	500K	(N	800K	.N		
source	Thre	e-phas	se valu	e of 3	80V 1	5KVA				
Host weight	1. 6 T ons	1. 8 T ons	2. 2 T ons	2. 4 T ons	2. 5 T ons	2. 8 T ons	2. 9 T ons	3. 2 T ons		



product presentation

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2.3 HD automatic video extensometer

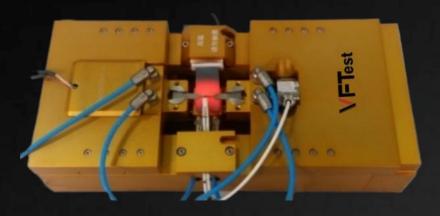


Model number	
	LVE-12M
Resolution	
	1200 万 pixel
Frame rate	
	≤200fps
Strain range	
	0. 002%-1000%
Resolving power	
	up to 0.5 μm
	up to \pm 1 μ m (60mm-150mmFOV)
Displacement	up to ± 0.01 mm (150mm-1000mmFOV) up to
accuracy	
	±0.05mm (1000mm-1500mmF0V)
Test field of view	Standard visual field: 60mm-150mmtunable
view	Expand one's vision: 150mm-1500mmtunable
Support range of scale	Standard use: <100mm
	Extended use: <1500mm
Extensometer	
accuracy	ISO9513 Lv. 0.5 (Standard visual field)
t to alone of	

VE series video extensimeter is a non-contact high-precision deal-time measurement system, it uses a separate digital camera and real-time image processing algorithm, by shooting the image of the specimen experiment process, analyze the image characteristics changes, can dynamically measure the strain, displacement and other data, interworking with the signal of the testing machine, measure the stress strain curve and other mechanical properties parameters. Suitable for all kinds of mechanical tests.

on

2.3 Micromechanical comprehensive performance testing machine



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- 1. Host type: horizontal desktop
- 2. Test force: 10-5000N
- 3. Test force measurement range: 4% ~ 100% FS
- 4. Test force measurement accuracy: indicating value ± 1%
- 5. Accuracy of deformation measuring grating: better than ±2µm
- 6. Beam displacement resolution: 0.01µm
- Seven. Beam test speed range: 0.01 ~ 3mm/min
- 8. Beam no-load adjustment speed: the maximum allowable test force below 3mm/min
- 9. Operating temperature: -40~1000 degrees
- 10. Test frequency: 20HZ

In situ test (micromechanical test + visual monitoring): The mechanical properties of the specimen materials are tested at the nanoscale, which is a mechanical testing technology compatible with imaging equipment such as type microscope, metallographic microscope, ultra-depth microscope, scanning electron microscope, and CT to carry out dynamic monitoring of the microscopic deformation and damage of the material. The micromechanical behavior, damage mechanism and the correlation between load action and material properties of various materials and their products are deeply revealed. It can also be used independently to test the mechanical properties of materials

on

2.3 Closed-Loop Control Torque Synchronous Asynchronous Motion Fatigue Actuator Test /Test Parts





Working pressure: 21Mpa

| Maximum tensile static force: 100kN | Maximum tension dynamic force: 80kN

l Total tension stroke: 336mm

Effective stroke: 300mm

I Maximum torsional static force: 3000Nm I Maximum torsional dynamic force: 2400Nm

I Total torsion Angle: 100° I Effective torsion Angle: 90°

I Linear servo actuator independent working frequency: 0.01Hz-100Hz I Oscillating servo actuator independent working frequency: 0.01Hz-50Hz

I Compound operating frequency: 0.01Hz-20Hz

Tension-torsion servo actuator is a device that outputs tension and torsion force in electro-hydraulic servo system, and is a key component of dynamic loading. It is mainly used in the field of dynamic, static and fatigue testing. The tension-torsion composite static pressure support servo actuator is mainly composed of the servo linear cylinder, the servo swing cylinder, the displacement sensor, the Angle sensor and the connection mechanism of the linear cylinder and the swing cylinder, etc., which can realize a variety of closed-loop control.



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2.3 Test machine accessories



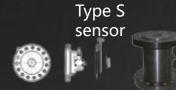
Static-pressure bearing actuator





Wheel spoke sensor





torque sensor



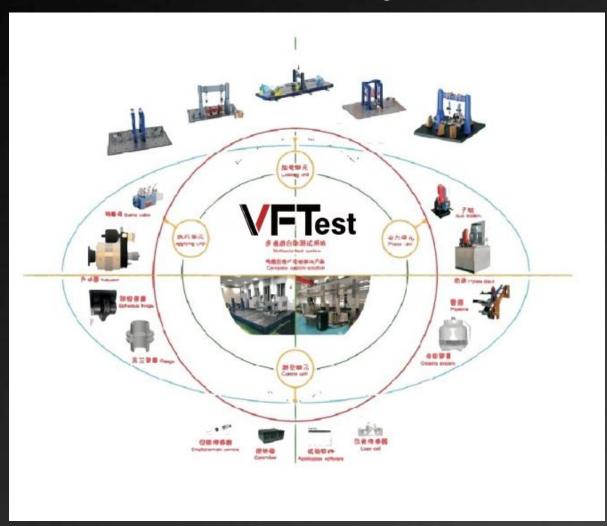


High temperature atmospheric furnace



Dynamic fatigue controller high-temperature extensometer High temperature fixthigh and low temperature environment box

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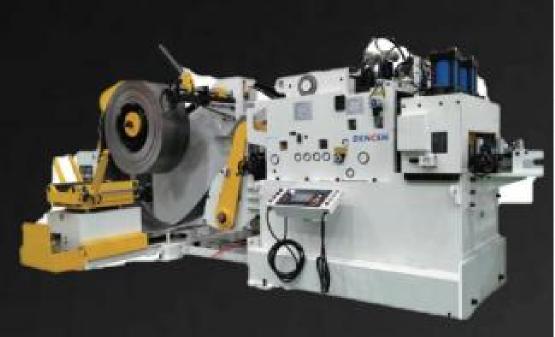
after-sale service

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2.2 Servo-feeder class

高涨力板三合一伺服送料矫正机

High-strength force plate three-in-one servo feeding straightening machine



技术规格 Technical specifications

型号 model	NCLG-600	NCLG-800	NCLG-1000	NCLG-1300				
料宽(mm) Material width (mm)	70-600	70-800	70–1000	70-1300				
料厚(mm) Material thickness (mm)	0.8-9.0							
最大料重(kg) Maximum material weight (kg)	5000	5000	7000	10000				
卷料内径(mm) Coil inner diameter (mm)		5	08					
卷料外径(mm) Coil outer diameter (mm)		14	100					
最大速度(m/min) Maximum speed (m/min)		2	22					
标准送料精度(mm) Standard feeding accuracy (mm)		±0.15						
矫正滚轮 Correction roller		上 Upper 5 / 下 Lower 4						
送料滚轮(组) Feed roller (group)			1					
背压滚轮组 Back pressure roller set		有 / P	rovided					
标准送料高度(mm) Standard feeding height (mm)		1200	± 100					
电源电压 voltage		AC220V 50Hz	/ AC380V 50Hz					
空气压(kg/cm²) Air pressure (kg/cm²)		5kg	/cm²					
料架扩张方式 Rack expansion method		油压 H	ydraulic					
伺服马达(kw) Servo motor (kw)		AC	022					
料架马达(kw) Rack motor (kw)	2.2	2.2	3.7	7.5				



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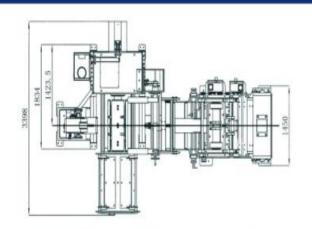
Customer case

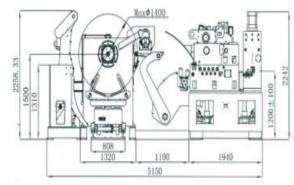
after-sale service

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外形尺寸 Dimensions







矫正能力表 Corrective ability table

型号	材料厚度 Thickness										
Model	0.8-3.2	5.0	6.0	8.0	9.0						
NCLG-600	60	600					200				
NCLG-800	800	800 648				253	200				
NCLG-1000	1000	1000 800 648				253	200				
NCLG-1300	1300 1013 800 648				450	253	200				

表中的屈服强度临界值245N/mm²(拉伸强度为392N/mm²)

yield strength threshold value in the above table is 245N/mm² (tensile strength is 392N/mm²)

矫正能力表二 Corrective ability table (对应高涨力板 Corresponding to high tension plate)

型号 Model	材料厚度 Thickness										
	0.8-3.2	2.8	3.2	4.0	4.5	5.0	6.0	7.0	8.0		
NCLG-600	600	533	374	292	257	228	180	132	101		
NCLG-800	800	527	369	289	254	225	180	132	101		
NCLG-1000	1000	521	365	286	251	223	180	132	101		
NCLG-1300	1300	511	358	281	246	219	178	132	101		

表中的屈服点应力 σ s=600N/mm²(抗拉强度 σ b=960N/mm²)

d point stress σ s=600N/mm² in the above table (tensile strength σ b=960N/mm²)

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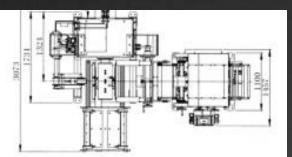
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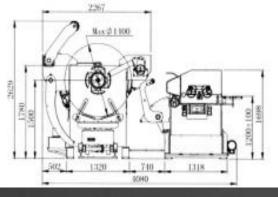
三机一体式伺服料架整平送料机 Three-machine integrated servo rack leveling feeder

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技术规格 Technical specifications

찞무 model	NLF2-400	NLF2-500	NLF2-600	NLF2-800	NLF2-1000
料宽(mm) Material width (mm)	70-400	70-500	70-600	70-800	70-1000
料厚(mm) Material thickness (mm)			0.3-4.5		
最大料重(kg) Maximum material weight (kg)		3000(5000)		5000	(7000)
卷料内径(mm) Coll inter diameter (mm)			508		
卷料外径(mm) Coil cuter dameter (mm)			1400		
最大速度(m/min) Maximum speed (m/min)			22		
标准送料精度(mm) Standard feeding accuracy (mm)			± 0.15		
矫正滚轮 Correction roller		£	Upper 4 / 下 Lowe	er 3	
送料滚轮(组) Feed roller (group)			1		
标准送料高度(mm) Standard feeding height (mm)			1200 ± 100		
电源电压 voltage		220V/	AC 60Hz / AC380V	/ 50Hz	
空气压(kg/cm²) Air pressure (kg/cm²)			5kg/cm ²		
科架扩张方式 Rack expansion method			油压 Hydraulic		
何服马达(kw) Servo motor (kw)		AC4.4		AC	5.5
料架马达(kw) Rack motor (kw)		1.5(2.2)		2.2	(3.7)

矫正能力表 Corrective ability table

型号 Model		NLF2-400	NLF2-600	NLF2-800	NLF2-1000	
		料宽(mm) Width(mm)				
	0.3-0.8	400	600	800	1000	
	1.0	400	600	800	750	
	1.2	400	600	700	600	
	1.6	400	590	480	430	
料厚(mm)	1.8	400	500	420	380	
Thickness(mm)	2	400	430	370	330	
	2.3	400	360	320	290	
	2.8	370	290	250	230	
	3.2	300	250	220	200	
	4.5	160	160	150	110	

上表中的屈服点应力 σ s=245N/mm²(抗拉强度 σ b=392N/mm²)

Yield point stress a s=245N/mm² in the above table (tensile strength a b=392N/mm²)



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三机一体式伺服料架整平送料机

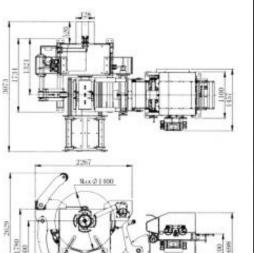
Three-machine integrated servo rack leveling feeder



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外形尺寸 Dimensions





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技术规格 Technical specifications

전목 model	NLF2-400	NLF2-500	NLF2-600	NLF2-800	NLF2-1000			
料度(mm) Material width (mm)	70-400	70-500	70-600	70-800	70-1000			
料厚(mm) Material thickness (mm)			0.3-4.5					
最大料重(kg) Maximum material weight (kg)		3000(5000)		5000	(7000)			
卷料内径(mm) Coll inner diameter (mm)			508					
卷料外径(mm) Coll outer diameter (mm)			1400					
最大速度(m/min) Maximum speed (m/min)			22					
标准送料精度(mm) Standard feeding accuracy (mm)		±0.15						
矫正滚轮 Correction roller		£	Upper 4 / 下 Lowe	er 3				
送料滚轮(组) Feed roter (group)			1					
标准送料高度(mm) Standard feeding height (mm)			1200 ± 100					
电源电压 voltage		220V	AC 60Hz / AC380V	/ 50Hz				
空气压(kg/cm²) Air pressure (kg/cm²)			5kg/cm ⁹					
料架扩张方式 Plack expansion method			油压 Hydraulic					
伺服马达(kw) Servo motor (kw)		AC4.4		AC	5.5			
料架马达(kw) Rack motor (kw)		1.5(2.2)		2.2	(3.7)			

矫正能力表 Corrective ability table

世号 Model		NLF2-400	NLF2-600	NLF2-800	NLF2-1000	
		料室(mm) widm(mm)				
	0.3-0.8	400	600	800	1000	
	1.0	400	600	800	750	
	1.2	400	600	700	600	
	1.6	400	590	480	430	
料厚(mm)	1.8	400	500	420	380	
(hickness(mm)	2	400	430	370	330	
	2.3	400	360	320	290	
	2.8	370	290	250	230	
	3.2	300	250	220	200	
	4.5	160	160	150	110	

上表中的屈服点应力 σ s=245N/mm²(抗拉强度 σ b=392N/mm²)

Yield point stress a s=245N/mm² in the above table (tensile strength a b=392N/mm²).



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三机一体式伺服料架整平送料机

Three-machine integrated servo rack leveling feeder



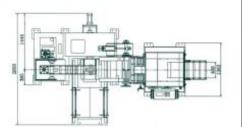
产品特性 Product Features

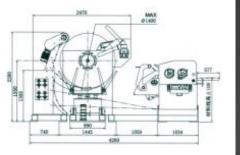
特别为强力厚板而设计的上下整平背压滚轮组, 可达到保证的应力消除效果。

The upper and lower flattening back pressure roller set specially designed for strong thick plates can achieve the guaranteed stress relief effect.



外形尺寸 Dimensions









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on

技术规格 Technical specifications

있号 model	NLF3-400	NLF3-500	NLF3-600	NLF3-800	NLF3-1000	NLF3-1300	NLF3-1600				
料度(mm) Material width (mm)	70-400	70-500	70-600	70-800	70-1000	70-1300	70-1600				
料厚(mm) Material thickness (mm)		0.6-6.0									
最大料重(kg) Maximum material weight (kg)	5000	5000	5000	7000	7000	10000	15000				
卷料内径(mm) Coil inner diameter (mm)		508									
卷料外径(mm) Coll outer diameter (mm)				1400							
最大速度(m/min) Maximum speed (m/min)				16-24							
标准送料精度(mm) Standard feeding accuracy (mm)		±0.15									
矫正滚轮 Correction roller			上Up	oper 4 / 下 Lo	ower 3						
送料滚轮(组) Feed roller (group)				1							
背压滚轮组 Back pressure roller set				有 / Provided	i						
标准送料高度(mm) Standard feeding height (mm)				1200 ± 100							
电源电压 votage			AC220V	50Hz / AC3	30V 50Hz						
空气压(kg/cm²) Air pressure (kg/cm²)				5kg/cm²							
料架扩张方式 Rack expansion method				曲压 Hydraul	ic						
伺服马达(kw) Servo motor (kw)	AC5.5	AC5.5	AC7.5	AC7.5	AC11	AC11	AC15				
料架马达(kw) Rack motor (kw)	2.2	2.2	2.2	3.7	3.7	7.5	-11				

矫正能力表 Corrective ability table

型号 Model 滚轮长度(mm) Roller length		NLF3-400	NLF3-600	NLF3-800	NLF3-1000	NLF3-1300	NLF3-1600
		420	620	820	1020	1320	1620
料厚(mm) Thickness(mm)	0.6-1.6	400	600	800	1000	1300	1600
	2.0	400	600	800	1000	1300	1600
	2.3	400	600	800	1000	1300	1600
	2.5	400	600	800	1000	1170	1500
	2.8	400	600	800	933	1053	1200
	3.2	400	600	714	856	937	980
	4.0	400	484	686	743	825	860
	4.5	400	426	593	681	764	770
	5.0	293	362	472	543	643	650
	6.0	203	287	367	437	515	535

上表中的屈服点应力 σ s=245N/mm²(抗拉强度 σ b=392N/mm²)

Yield point stress a s=245N/mm² in the above table (tensile strength a b=392N/mm²)



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Customer case

after-sale service

on

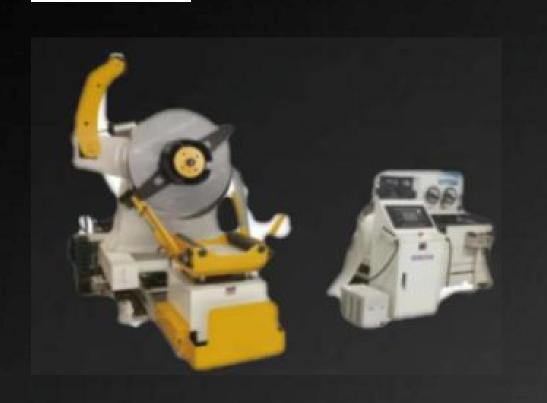
偏摆三合一

Partial three-in-one

01

技术规格 Technical specifications

型号 model	NCPB-1300	NCPB-1600
材料宽度(mm) Material width (mm)	100-1300	100-1600
材料厚度(mm) Material thickness (mm)	0.3-4.5	0.3-4.5
卷材重量(kg) Coll weight (kg)	10000	15000
卷材外径(mm) Coll outer diameter (mm)	1400	1400
卷材内径(mm) Coil inner diameter (mm)	450-530	480-530
送料公差(mm) Feeding tolerance (mm)	200 ± 0.2	200 ± 0.2
偏摆公差 (mm) Yaw tolerance (mm)	200 ± 0.4	200 ± 0.4
工作滚轮(支) Working roller (support)	上 Upper 5 / 下 Lower 4	上 Upper 5 / 下 Lower 4
送料滚轮(组) Feed roller (group)	1	1
主电机(KW) Main motor (KW)	AC11	AC15
偏摆电机(KW) Yaw motor (KW)	AC15	AC22
扩充方式 Expansion mode	液压 Hydraulic	液压 Hydraulic
料架电机(KW) Rack motor (KW)	5.5	7.5
电源(V) Power supply (V)	380	380
空气压力 (Mpa) Air pressure (Mpa)	0.49	0.49





product presentati

Customer case

after-sale service

on

伺服偏摆送料机

Servo yaw feeder



01

技术规格 Technical specifications

NCF-100	NCF-200	NCF-300	NCF-400	NCF-500	NCF-600	NCF-800	NCF-1000	NCF-1300
100	200	300	400	500	600	800	1000	1300
标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料	标准送料 偏移送料
左右50	左右100	左右150	左右200	左右250	左右300	左右400	左右500	左右650
0~3.0mm	0-3.0mm	0~3.0mm	0-3.0mm	0~3.0mm	0~3.0mm	0~3.0mm	0~3.0mm	0~3.0mm
气动	气动	气动	气动	气动	气动	气动	气动	气动
	100 标准送料 偏移送料 左右50 0~3.0mm	100 200 标准送料 标准送料 偏移送料 偏移送料	100 200 300 标准送料 标准送料 标准送料 偏移送料 偏移送料 偏移送料	100 200 300 400 标准送料 标准送料 标准送料 标准送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 0-3.0mm 0-3.0mm 0-3.0mm	100 200 300 400 500 标准送料 标准送料 标准送料 标准送料 桶移送料 桶移送料 桶移送料 桶移送料 桶移送料 角移送料 鱼 左右50 左右200 左右250 0~3.0mm 0~3.0mm 0~3.0mm 0~3.0mm	100 200 300 400 500 600 标准送料 标准送料 标准送料 标准送料 标准送料 标准送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移	100 200 300 400 500 600 800 标准送料 标准送料 标准送料 标准送料 标准送料 标准送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移送料 偏移	100 200 300 400 500 600 800 1000 标准送料 标准送料 标准送料 标准送料 标准送料 桶移送料 桶移送料 桶移送料 桶移送料 桶移送料 桶移送料 桶移送料 桶移



product presentati **Customer** case

after-sale service

on

新型夹式送料机

New clip feeder



01

GS-906N/GS-1512N 技术规格 Technical specifications

斑号 Model	GS-906N	GS-1512N	
送料长度(mm) Feed length(mm)	0-60	120	
送料角度 Feed angle	180°	180°	
材料宽度(mm) Material width (mm)	0~90	0~150	
材料厚度(mm) Material trickness (mm)	0.1~1.5	0.1~1.5	
材料线高度(mm) Material line height (mm)	60~120	60~120	
放松角度 Relexation angle	可调整 Adjustable		
送料机构 Feeding mechanism	曲轴传动 Crankshaft drive		
安装位置 Installation location	左边 Left		
送料方向 Feeding direction	左left←→右right		
重量(kg) Weight(kg)	188kg	188kg	

GS-906N 产品特点 Product Features

- 适用于要求高速加工。且需要高精度送料的冲制品。(每分钟送料 最高可达1200次)
- 2、机械运转时,安静无声,不造成工作场所的噪音。
- 材料表面不会留下任何压痕,可使冲制电镀材料铝合金、不锈钢、 钢、铁、成二次工程厂商、得到最完美的冲制成品。
- 4、所有调整均采用刻度式,操作简单、稳定性性,任何人员均可轻易操作。本体为一体成形,可避免冲压时所产生的共振影响送料精度。
- It is suitable for punching products that require high-speed machining and require high-precision feeding. (up to 1200 feeds per minute)
- When the machine is running, it is quiet and silent, and does not cause noise in the workplace.
- the surface of the material will not leave any indentation, can make the plating material aluminum alloy, stainless steel, copper, iron, or secondary engineering manufacturers, get the most perfect stamping products.
- 4, all adjustments are scaled, easy to operate, good stability, any staff can easily operate. The body is integrally formed to avoid the resonance caused by the stamping and affect the feeding accuracy.



01

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Customer case

after-sale service

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工业机器人

Industrial robot





技术规格 Technical specifications

型号 Model		ER12-C604	ER10-C60	ER20-C10	ER50-C10	
稿数 Number of axes		4	6	6	6	
有效负载 Pa	ıyload (kg)	12	10	20	50	
最大臂展 Maximum wingspan (mm)		1620	1640	1722	2146	
重复定位精度 Repeatability (mm)		± 0.07	± 0.05	± 0.06	± 0.08	
	1輪 1 axis	± 165°	± 165°	± 175"	± 180°	
	2轴 2 axis	+40° /-85°	+80° /-135°	+64° /-142°	+70° /-130°	
运动范围 Range of motion	3輪 3 axis	+15° /-70°	+165° /-75°	+165" /-73"	+175° /-80°	
	4轴 4 axis	± 360°	± 180°	± 178°	± 360°	
	5軸 5 axis	1	± 130°	± 132°	± 115°	
	6輪 6 axis	1	± 360°	± 720°	± 450°	
	1轴 1 axis	210" /s	170° /s	170" /s	160° /s	
	2輪 2 axis	165° /s	160° /s	165° /s	150° /s	
最大速度	3輪 3 axis	155" /s	180° /s	170" /s	130° /s	
Maximum speed	4轴 4 axis	440° /s	330° /s	360° /s	200° /s	
	5輪 5 axis	1	360° /s	360" /s	200° /s	
	6轴 6 axis	1	600° /s	600° /s	285° /s	
本体重量 Body weight (kg)		180	190	220	550	
安装方式 Installation method		地質/支架/倒置 Governdelinets	地面/支架/倒置 Grantinoisher	x 地面/支架/倒置 Grunzhooln/meth	(地面/支架/倒置 Goothakelner	

- 申用途:撤运、码垛、上下料、抛光打磨。◆ 采用全伺服电机驱动,定位精度高,使用寿命长。
- → 示教器操作、人机界面友好、能实现高性能的动作控制与时序控制。

- Uses: handling, palletizing, loading and unloading, polishing and polishing.
 Driven by full servo motor, it has high positioning accuracy and long service life.
 The teach pendant operates with a friendly man-machine interface and enables high-performance.

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Customer case

after-sale service

on

现场案例

Site case

























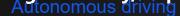


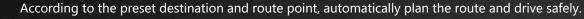




2.4 Agency product category outdoor robot DRon

DR3 is an unmanned intelligent robot designed for outdoor with the ability of multi-scene errands. It has the ability of autonomous walking and automatic obstacle avoidance, providing customers with the benefits of reducing costs, improving efficiency, improving safety and other aspects.







Real-time detection of the surrounding obstacles, and automatically avoid or detour under the premise of ensuring safety.

Task planning

Tasks are set for driverless cars through the mobile app, such as destination, driving route, passing point, cargo loading type, and timing tasks, etc.

Remote control

The remote control will remote control the driverless car, including driving, stopping, steering and other operations.

Voice communication

Through the natural way of speaking, to the vehicle intelligent system to consult questions, can be fully answered. At the same time, you can also send task commands to the car by voice.

Touch-controlled operation

Direct click on the touch screen, visual human-computer interaction with the car, support the rapid initiation of tasks on the screen.

Inspection and monitoring

Carry out inspection tasks according to fixed route, and support real-time view and video uploading.





product presentati

Customer case

after-sale service

2.4 Agency product category outdoor robot DR- on 3

DR3 is an unmanned intelligent robot designed for outdoor design with the ability of multi-scene errands. It has the ability of autonomous walking and automatic obstacle avoidance, providing customers with the benefits of reducing costs, improving efficiency, improving safety and other aspects.



长/宽/高(mm)	1095*628*904
整备质量(kg)	115
货舱容积(L)	>110
电机	
额定功率(kw)	0.752
峰值扭矩(N.m)	20
最高速度(km/h)	20
电池	
容量(kwh)	2.5
类型	磷酸铁锂
充电电压	220V交流电
充电时长(H)	1.5
续航里程(KM)	40



product presentati

Customer case

after-sale service

2.4 Agency product category outdoor robot DR- on 3

DR3 is an unmanned intelligent robot designed for outdoor design with the ability of multi-scene errands. It has the ability of autonomous walking and automatic obstacle avoidance, providing customers with the benefits of reducing costs, improving efficiency, improving safety and

other aspects.



悬架、制动系统				
驱动形式	轮毂电机后驱			
制动系统	电磁刹车			
悬架系统	阿克曼底盘			
轮胎规格	真空充气公路胎			
设计与装备				
LED近光灯	$\sqrt{}$			
LED尾灯	$\sqrt{}$			
智换货舱	$\sqrt{}$			



product presentati

Customer case

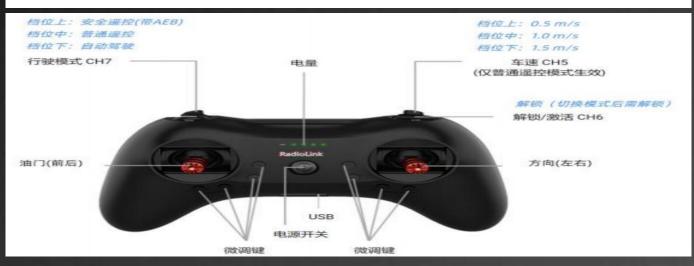
after-sale service

2.4 Agency product category outdoor robot DR- on 3

DR3 is an unmanned intelligent robot designed for outdoor design with the ability of multi-scene errands. It has the ability of autonomous walking and automatic obstacle avoidance, providing customers with the benefits of reducing costs, improving efficiency, improving safety and other aspects.



最小转弯半径(mm)	2500
爬坡度数	15°
最小离地间隙(mm)	124



product presentati

Customer case

after-sale service

2.4 Agency product category outdoor robot DR- on

Preparation before autonomous driving

Before preparing for autonomous driving, the remote control robot goes to the designated outdoor parking point, so that the car can receive the satellite signal.

Click on the delivery of the screen to start the intelligent driving system, this process is about 60~120s. After the system is successfully started, it will enter the interface of task planning (below 3), indicating that the car is ready to perform the autonomous driving task.













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Customer case

after-sale service

2.4 Agency product category outdoor robot DR
3

Use the mobile App to initiate tasks











B △25' (BIHIT)

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Customer case

after-sale service

请输入密码

2.4 Agency product category outdoor robot DR
3

Shipping, task to complete the unpacking pickup, process voice interaction





到达目的地请开盖取物





on

Products are developing, overloaded cars over 100 KG and automatic cleaning robots





03Part

VETEST Customer case

after-sale service



on

3.2 Domestic market



Shenyang Institute of Metal Research,
Chinese Academy of Sciences
Harbin Institute of Technology
JLU
Central South University
Wuxi Ambo Auto Parts Co., LTD
Jilin Research Institute of High-entropy
New Materials
Jilin Wall Test Equipment Co., LTD
Jinan East Test
Geely Automobile
CRRC Jiufang Equipment



VETest after-sale service



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on

Custome r case

aftersale service

4. After-sales service

- Professional engineers and technicians provide installation, commissioning and training worldwide
- Dealers shall provide after-sales service in key countries
- Reasonable after-sales service price

For the 24-hour remote assistance





We wish you a great success!

