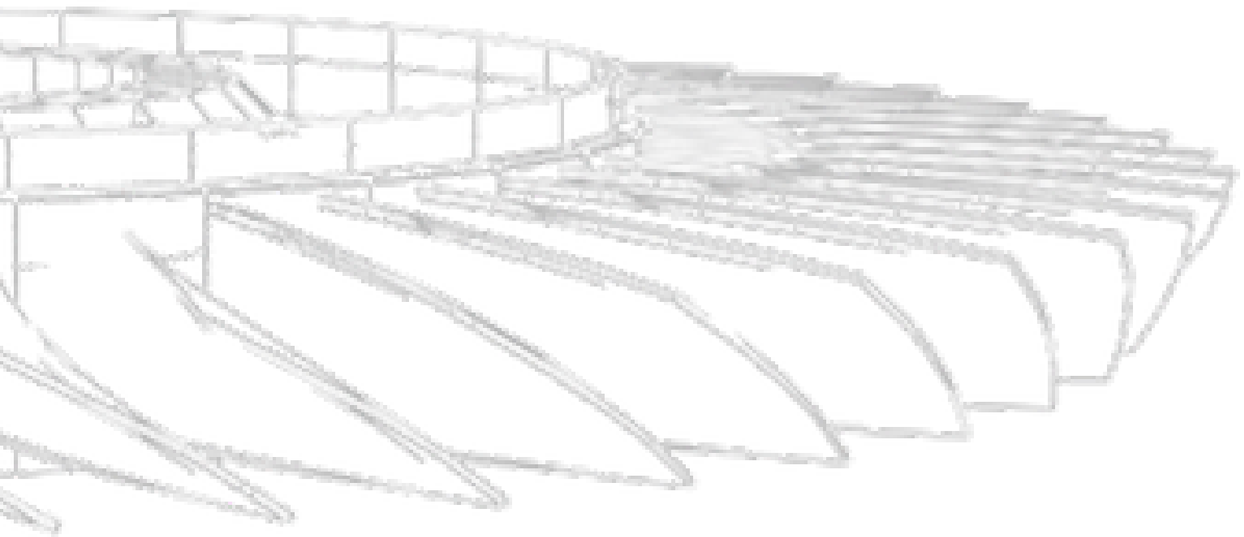
Advanced Aerodynamic Design - ISO 14694 & ISO 10816-3 Compliance
Custom Engineered Solutions - Global Project Support



Modern (Ningbo) Industrial Equipment Co., Ltd.
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Modern (Ningbo) Industrial Equipment Co., Ltd.



INDUSTRIAL CENTRIFUGAL FANS

Product Catalog 2025 Edition

www.modernindustrynb.com

Modern (Ningbo) Industrial Equipment Co., Ltd.



COMPANY PROFILE

Modern (Ningbo) Industrial Equipment Co., Ltd, with a hundred years of fan design and manufacturing technology background from Denmark, combines advanced domestic manufacturing equipment, imported fan testing instruments, focuses on the development and manufacturing of high-end industrial fans. Using European advanced fan design models, combined with domestic and international large and differentiated product requirements, standardized manufacturing processes and quality management systems, to provide customers with high-quality, personalized products and system solutions.

Our Mission

Sustainable airflow solutions — empowering industries to breathe cleaner, work smarter, and last longer.



Fan Design Features

High-Efficiency Centrifugal Fans: The Core of Industrial Process.
Our centrifugal fans integrate **advanced aerodynamic design** with **high-strength materials** and **modular construction**, engineered specifically for industrial, environmental protection, and sanitation applications.

Engineering Excellence:

- Aerodynamic Optimization: Precision-engineered impeller design maximizes airflow efficiency.
- Structural Integrity: High-strength materials withstand extreme operating conditions.
- Low Vibration & Noise: Precision-balanced impellers and resilient mounts ensure vibration levels ≤ 3.0 mm/s. Acoustic silencers are available for noise-critical environments.
- Modular Architecture: Flexible configuration for diverse application requirements.

Performance Advantages:

- Energy Efficiency: Superior airflow dynamics reduce power consumption.
- Operational Reliability: Stable performance across variable load conditions.
- Durability: Engineered for extended service life in harsh environments.

Industrial Applications:

Power & Environmental, Heavy Industry, Oil & Gas, Public & Environmental Health.





Modern Fan Core Technical Advantages

High Fan Efficiency

- Utilizes backward-inclined blade structure to reduce airflow resistance and improve energy conversion efficiency.
- 15-20% higher efficiency compared to traditional fans.

Low Fan Vibration

- Uses imported VIBREMETER fan vibration monitoring equipment to calibrate horizontal, vertical, and axial vibration values.
- Every fan delivered with vibration values below 3mm/s in all three directions as customer delivery standard.

Minimal Maintenance

- Through optimized design, fans primarily use direct drive (Type A) configuration
- Reduced bearing seats, couplings, or belts result in compact structure
- Essentially maintenance-free operation

Long Service Life

- Strict quality standards ensure our fans meet designed lifespan requirements (excluding wearing parts)

Low Noise

- Advanced aerodynamic design provides a low-noise foundation, which can be further suppressed with integrated acoustic silencers for critical environments.

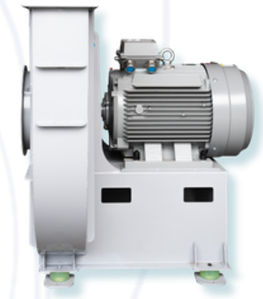
Centrifugal Fan Parameters

Y Series High-Efficiency Fans



- Impeller Diameter (mm): 450~2100
- Airflow (m^3/h): 1500~300000
- Pressure (Pa): 3980~29800
- Efficiency: 80%~90%
- Maximum Media Temperature: 600°C

W Series Fans



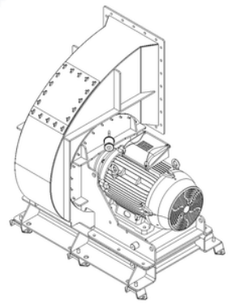
- Impeller Diameter (mm): 350~1250
- Airflow (m^3/h): 500~5000
- Pressure (Pa): 5000~28500
- Maximum Media Temperature: 600°C

X Series Fans



- Impeller Diameter (mm): 250~1050
- Airflow (m^3/h): 500~90000
- Pressure (Pa): 980~7600
- Maximum Media Temperature: 600°C

V Feeding Series Fans



- Impeller Diameter (mm): 400~900
- Airflow (m^3/h): 1500~24000
- Pressure (Pa): 2580~6500

PRODUCT SERIES & TECHNICAL PARAMETERS
Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y51P-2	4275	2954	5.2	68%	7.5KW	2910
	4133	4499	6.3	82%		
	3725	5908	7.1	86%		
	3232	7036	7.7	82%	11KW	2940
	2607	8114	8.0	73%		
Y58P-2	5585	4410	10.1	68%	15KW	2940
	5400	6717	12.3	82%		
	4867	8820	13.9	86%		
	4223	10505	15.0	82%	18.5KW	
	3406	12114	15.7	73%		
Y62M-2	6725	5861	14.2	77%	18.5KW	2940
	6397	7689	16.4	83%		
	5960	9632	18.2	87%		
	5413	11491	20.2	85%	22KW	2950
	4330	14196	22.4	76%		
	3062	16766	22.4	63%		
Y65P-2	6533	5581	14.9	68%	22KW	2950
	6315	8501	18.2	82%		
	5693	11162	20.5	86%		
	4939	13294	22.2	82%	30KW	2960
	3983	15330	23.2	73%		
	2800	17440	23.2	58%		
Y67L-2	7664	9279	26.1	75%	30KW	2960
	7303	12515	30.4	83%	37KW	
	6797	15470	33.5	87%		
	6146	18054	35.8	86%	45KW	
	5423	20523	37.6	82%		
	4628	22661	38.9	75%		
Y70P-2	8855	6209	20.7	74%	30KW	2960

PRODUCT SERIES & TECHNICAL PARAMETERS
Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y70P-2	8519	8376	24.7	80%	30KW	2960
	7983	10199	27.6	82%		
Y70M-2	8758	8590	27.0	74%	30KW	2960
	8330	11270	31.4	80%	37KW	
	7761	14119	34.8	82%		
	7049	16842	38.6	77%	45KW	
	5639	20807	42.8	83%		
	3987	24575	42.8	87%		
Y72M-2	9138	9122	30.0	77%	37KW	2960
	8693	11968	34.8	83%		
	8098	14993	38.6	87%	45KW	
	7355	17886	42.8	85%		
	5884	22096	47.4	76%	55KW	2970
Y75M-2	10067	10518	38.0	77%	45KW	2960
	9576	13799	44.2	83%	55KW	2970
	8921	17287	49.0	87%		
	8103	20621	54.4	85%	75KW	2975
	6482	25476	60.3	76%		
Y75L-2	9870	13381	48.5	75%	55KW	2970
	9405	18047	56.4	83%	75KW	2975
	8753	22309	62.2	87%		
	7915	26035	66.5	86%		
	6984	29595	69.9	82%		
	5959	32678	72.2	75%		
Y79K-2	9453	14840	62.3	62%	75KW	2975
	9376	22443	74.7	78%	90KW	
	8816	29637	84.1	86%		
	7991	35294	90.3	87%		
	6495	41362	90.3	82%		
	5098	46105	87.2	75%		

PRODUCT SERIES & TECHNICAL PARAMETERS
Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y81K-2	9758	23830	82.6	78%	90KW	2975
	9175	31468	92.9	86%	110KW	
	8317	37475	99.8	87%		
	6760	43919	99.8	82%		
	5306	48954	96.3	75%		
Y83K-2	10149	25275	91.1	78%	110KW	2975
	9542	33376	102.5	86%		
	8650	39747	110.1	87%		
	7031	46581	110.1	82%		
	5518	51922	106.3	75%		
Y88J-2	11335	24383	106.4	72%	132KW	2975
	10832	34653	128.0	81%		
	9824	43370	139.9	84%	160KW	
	8279	51528	145.8	81%		
	6733	58304	145.8	75%		
Y92N-2	15878	7674	50.3	67%	75KW	2975
	15807	11516	63.2	80%		
	14963	14791	74.6	82%	90KW	
	13067	18039	85.9	76%		
Y95N-2	16225	7927	53.1	67%	75KW	2975
	16152	11895	66.8	80%	90KW	
	15290	15278	78.7	82%		
Y97N-2	17685	9103	54.9	81%	75KW	2975
	15053	13998	73.8	79%	90KW	
Y97S-2	17781	3900	24.4	79%	37KW	2960
Y100S-2	18340	4500	28.4	81%	37KW	2960
Y105R-2	20130	6000	44.4	76%	55KW	2970
Y113R-2	22623	7820	59.4	83%	75KW	2975

PRODUCT SERIES & TECHNICAL PARAMETERS
Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y103L-4	5030	10369	20.6	70%	30KW	1470
	5006	14626	24.5	83%		
	4760	18544	28.0	87%		
	4294	22272	31.1	85%	37KW	1480
	3632	25610	33.1	78%		
	2896	28473	33.8	68%		
Y107K-4	4650	15548	29.8	67%	37KW	1480
	4583	21591	34.3	80%		
	4459	26912	38.9	85%	45KW	
	4177	32265	42.3	88%		
	3524	39205	46.4	83%	55KW	
	2658	45592	46.9	72%		
Y112K-4	5466	10235	24.7	63%	30KW	1470
	5424	16939	31.2	82%	37KW	1480
	5111	23692	38.2	88%	45KW	
	4419	30907	45.5	83%	55KW	
	3635	36300	48.3	76%		
	2697	41154	48.8	63%		
Y113J-4	4826	25101	42.7	79%	55KW	1480
	4664	31933	48.8	85%		
	4361	37844	53.2	86%		
	3809	43945	56.5	82%	75KW	
	3142	49522	57.6	75%		
Y113H-4	4637	30181	48.9	79%	55KW	1480
	4490	40441	58.7	86%	75KW	
	4015	50301	65.6	85%		
	3251	60361	69.5	78%		
Y115H-4	5333	27049	48.6	82%	55KW	1480
	5053	36903	58.6	88%	75KW	
	4446	46138	64.3	88%		

PRODUCT SERIES & TECHNICAL PARAMETERS
Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y115H-4	3537	55468	66.8	81%	75KW	1480
Y120H-4	5884	19527	46.2	69%	55KW	1480
	5797	30375	59.3	82%	75KW	
	5492	41441	71.6	88%		
	4833	51811	78.5	88%	90KW	
	3844	62288	81.6	81%		
	3007	69429	81.6	71%		
Y128E-4	5712	48762	101.2	76%	110KW	1480
	5495	61594	108.7	86%		
	5082	74053	117.8	89%	132KW	
	4418	85939	123.8	85%		
	3326	100090	117.8	78%		
Y130F-4	5323	56278	101.7	82%	110KW	1480
	4797	71911	108.6	88%		
	4120	83552	110.3	86%	132KW	
	3219	95930	107.7	79%	110KW	
	2472	102786	100.0	70%		
Y147G-4	8838	36094	125.5	70%	160KW	1480
	8838	54141	158.0	84%		
	8459	71819	192.0	88%	220KW	
	7603	88843	221.5	85%	250KW	1490
	6400	103104	233.3	78%		
Y150G-4	10242	34764	128.4	77%	160KW	1480
	10139	46943	155.9	85%	185KW	
	9719	58996	179.5	89%	200KW	
	9020	71287	209.6	85%	220KW	
	7813	83578	235.8	77%	250KW	1490
Y153F-4	9234	63028	195.1	83%	220KW	1480
	8859	86390	240.5	88%	280KW	1490

PRODUCT SERIES & TECHNICAL PARAMETERS
Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y153F-4	7915	108867	276.5	86%	315KW	1490
	6451	128255	286.9	80%		
	4301	142506	236.7	72%	280KW	
Y154E-4	9386	59411	215.7	72%	250KW	1490
	9251	86416	263.1	84%	315KW	
	8575	113421	307.5	88%		
	7218	139708	338.0	83%	355KW	
	5614	161201	347.2	72%		
Y158E-4	9881	64174	245.3	72%	280KW	1490
	9738	93344	299.2	84%	315KW	
	9028	122514	349.6	88%		
	7599	150908	384.4	83%	400KW	
	5910	174124	394.8	72%		
Y170C-4	10335	95609	359.0	76%	400KW	1490
	9630	136585	421.0	87%	450KW	
	7941	175776	456.9	85%	500KW	
	5810	208507	450.4	75%		
Y175C-4	11001	105039	419.8	76%	450KW	1490
	10251	150055	492.3	87%	550KW	
	8453	193111	534.3	85%		
	6184	229070	526.7	75%		
Y179C-4	11457	111661	464.8	76%	500KW	1490
	10676	159516	545.1	87%	630KW	
	8804	205286	591.6	85%		
	6441	243512	583.1	75%		
Y184B-4	13022	126071	558.5	81%	630KW	1490
	12764	168095	676.1	88%	710KW	
	11360	209066	775.3	85%	800KW	1490
	8629	241434	775.3	74%		

PRODUCT SERIES & TECHNICAL PARAMETERS

Standard High-Efficiency Y-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
Y180A-4	9428	175087	561.0	82%	630KW	1490
	8569	289268	779.0	88%	800KW	
	7104	364862	916.2	78%	1000KW	

Standard High-Efficiency V-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
V4016	2260	2000	2.2	57%	4KW	2900
V4216	3174	3000	3.8	70%	5.5KW	2910
V4816	3611	3000	5.4	56%	7.5KW	2910
V5025	3930	4000	7.3	60%	11KW	2920
V5525	4810	5100	9.4	72%	15KW	2940
V6740	4230	12000	18.9	75%	22KW	1470
V6735	7890	4400	18.0	54%	22KW	2950
V6740	4230	12000	18.9	75%	22KW	1470

Standard High-Efficiency W-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
W5M	2825	670	1.8	29%	3KW	2880
	3192	600	1.7	31%		
	3585	370	1.3	28%	1.5KW	
	3892	352	1.4	27%	2.2KW	
W5K	5022	1103	4.7	33%	5.5KW	2910
	6170	1053	3.4	53%		
	8200	1000	4.9	46%	7.5KW	

PRODUCT SERIES & TECHNICAL PARAMETERS

Standard High-Efficiency W-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
W5J	11687	1100	7.5	48%	15KW	2940
W5H	15103	1000	9.1	46%	15KW	2940
W10H	13000	1530	8.9	62%	15KW	2940
	11201	1640	9.3	55%		
	10150	1800	9.7	52%		
	7400	2465	11.3	45%		
W10L	5073	700	3.8	26%	5.5KW	2910
	3210	1140	2.5	41%	4KW	2900
	2270	910	1.0	57%	2.2KW	2880
W10M	2920	800	1.0	65%	2.2KW	2880
	2875	1350	1.7	63%	3KW	
W15M	3214	1200	1.9	56%	3KW	2880
	5000	1000	2.4	58%	5.5KW	2910
W15L	4630	2000	3.9	66%	5.5KW	2910
W15J	7540	2000	5.9	71%	7.5KW	2910
	6000	2530	5.6	75%		
W15H	8855	1850	6.9	66%	11KW	2940
	8463	1973	7.3	64%		
	8316	2219	7.9	65%		
	9995	2315	9.8	66%	15KW	
W20M	3197	2300	3.1	66%	4KW	2880
	3401	2000	2.8	67%		
	3578	1630	2.7	60%		
W25J	5500	2500	5.8	66%	7.5KW	2910
W25H	9988	2913	12.8	63%	15KW	2940
	7000	3200	10.8	58%		
	11000	2500	12.7	60%	18.5KW	

PRODUCT SERIES & TECHNICAL PARAMETERS

Standard High-Efficiency X-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
X80N	3400	11500	14.5	75%	18.5KW	1470
X80L	2600	12000	12.2	71%	15KW	1470
	2300	14000	12.3	73%		
	1882	20000	13.6	77%	18.5KW	
X80P	10534	11000	48.5	66%	75KW	2975
X80R	10500	5000	26.2	56%	37KW	2960
	14716	6300	43.6	59%	55KW	2970
	21429	5140	46.5	66%		
X74R	9643	4700	23.4	54%	30KW	2960
X80S	10410	4000	17.6	66%	30KW	2960
	11278	3600	17.2	66%		
X72M	1250	13200	8.1	57%	11KW	1470
	7000	19300	48.1	78%	55KW	2970
X67N	4200	11000	18.0	71%	22KW	2950
	5069	12723	23.1	78%	30KW	
X66Q	7600	8000	24.2	70%	30KW	2960
X64R	6971	6000	15.7	74%	22KW	2950
	7715	5000	15.3	70%		
X67R	4200	11000	18.0	71%	22KW	2950
	9200	5500	21.6	65%	30KW	
X65S	6723	4900	14.6	63%	18.5KW	2940
	7316	4200	14.3	60%		
	8686	3760	14.1	64%		
	9002	3600	14.4	63%		
X50S	4300	4500	6.4	84%	7.5KW	2910
X40S	587	1000	0.4	47%	0.75KW	1420
	1982	3200	3.2	55%	4KW	2900
	2200	2900	3.0	59%		
	2700	2200	2.7	61%		
	2942	1000	1.9	43%	3KW	2880

PRODUCT SERIES & TECHNICAL PARAMETERS

Standard High-Efficiency X-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
X40T	1901	1900	2.2	46%	3KW	2880
	2070	1700	2.1	47%		
	2200	1400	1.8	48%		
	2890	1000	1.9	42%		
X29	1667	275	0.2	64%	0.75KW	2850
X2850	1716	150	0.2	36%	0.75KW	2850
X28125	1610	900	1.0	40%	1.5KW	2880
	1863	530	1.0	27%		
X28100	1800	550	0.8	34%	1.5KW	2880

Standard High-Efficiency U-Series Fans

Fan Model	Total Pressure (Pa)	Flow Rate (m³/h)	Shaft Power (kW)	Efficiency (%)	Motor	Fan Speed (rpm)
U815	1500	24000	16.9	59%	22KW	1470
	1594	20000	14.0	63%	18.5KW	
	1639	22000	17.6	57%	22KW	
U765	1500	25000	15.0	69%	18.5KW	1470
	1650	15550	11.3	63%		
U650	716	16000	6.1	52%	7.5KW	1450
	860	12000	4.9	59%		
	1020	10200	4.6	63%		
U615	1040	6000	3.5	50%	5.5KW	1450



CUSTOM FAN ENGINEERING

Tailored Solutions for Specific Applications

Parameter	Specification
1. Airflow (m^3/h)	
2. Pressure (Pa)	
3. Medium Temperature (°C)	
4. Medium Composition	
5. Density (kg/m^3)	
6. Motor Brand Preference	
7. Electrical Parameters	V Hz
8. Explosion-proof Requirement	☐ NO ☐ BT4 ☐ CT4
	Others:
9. Fan Rotation Direction	
10. Altitude	

Electric Motor Partnerships

The motor is a critical component. We partner with world-leading manufacturers to ensure reliability and provide flexible options for our clients.

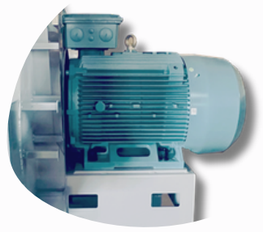
Our Trusted Motor Brands Include:

ABB | Siemens (Yinmengda) | BEVI | Wannan | Nanyang Explosion-proof | TECO | WEG | Shanghai Electric | etc.

Standards & Special Features

• ExD • Explosion-proof Motors • VSD Drive • PTC

• ATEX Directive • Classification Society Certification



QUALITY ASSURANCE & TESTING

Vibration Testing & Calibration

Compliant with ISO 10816-3 and ISO 14694

Our commitment to precision ensures every fan operates with exceptional stability and longevity.

- **Advanced Calibration System**: We utilize Swedish whole-machine balancing software integrated with National Instruments data acquisition hardware.
- **Rigorous Testing Protocol**: Imported equipment performs simultaneous three-dimensional (A-H-V) vibration analysis.
- **Guaranteed Performance**: We guarantee a vibration velocity of **below 3.0 mm/s** for all delivered fans.

All our fans undergo mandatory aerodynamic performance testing to comply with **"GB 10178-2006"** and our internal design standards.

Globally Certified for Hazardous Areas

Our fans are certified to the highest international standards for explosive atmospheres, with valid ATEX/IECEx certification from TÜV and full Chinese National (GB) certification from CITC.

QUALITY MANAGEMENT SYSTEM

Comprehensive Quality Assurance

Our integrated quality management system ensures every fan meets the highest standards of performance and reliability.



Defined Quality Standards

Stringent quality protocols govern every phase of our product lifecycle:

- Technical Specification & Design Validation.
- Controlled Manufacturing & Supplier Quality Management.
- Project Delivery & Performance Verification.

Product Traceability

Each product receives a unique identification code at order generation that tracks:

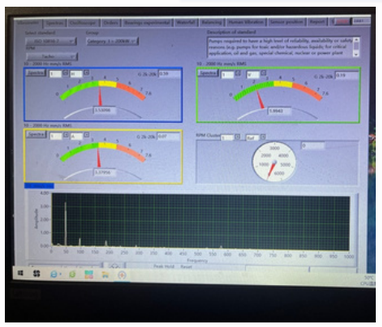
- Raw material procurement
- Internal manufacturing processes
- External processing stages
- Complete product lifecycle

Quality Standard Implementation

100% inspection coverage across all critical stages:

Raw materials verification | External processing quality audits

Internal manufacturing process controls | Finished product outgoing inspection



Testing Equipment Validation

We maintain measurement excellence through rigorous equipment calibration by the Quality and Technical Supervision Bureau, ensuring:

- Certified Accuracy Standards.
- Sustained Equipment Competence.
- Uncompromising Quality Compliance.

INDUSTRY APPLICATIONS & PARTNERS

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OIL, GAS & PETROCHEMICAL INDUSTRY



PAINTING INDUSTRY



Marine & Shipbuilding INDUSTRY



TOBACCO INDUSTRY



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