



Specialized In Wood Drying **31** Years

SHOWWIN HF VACUUM WOOD DRYER



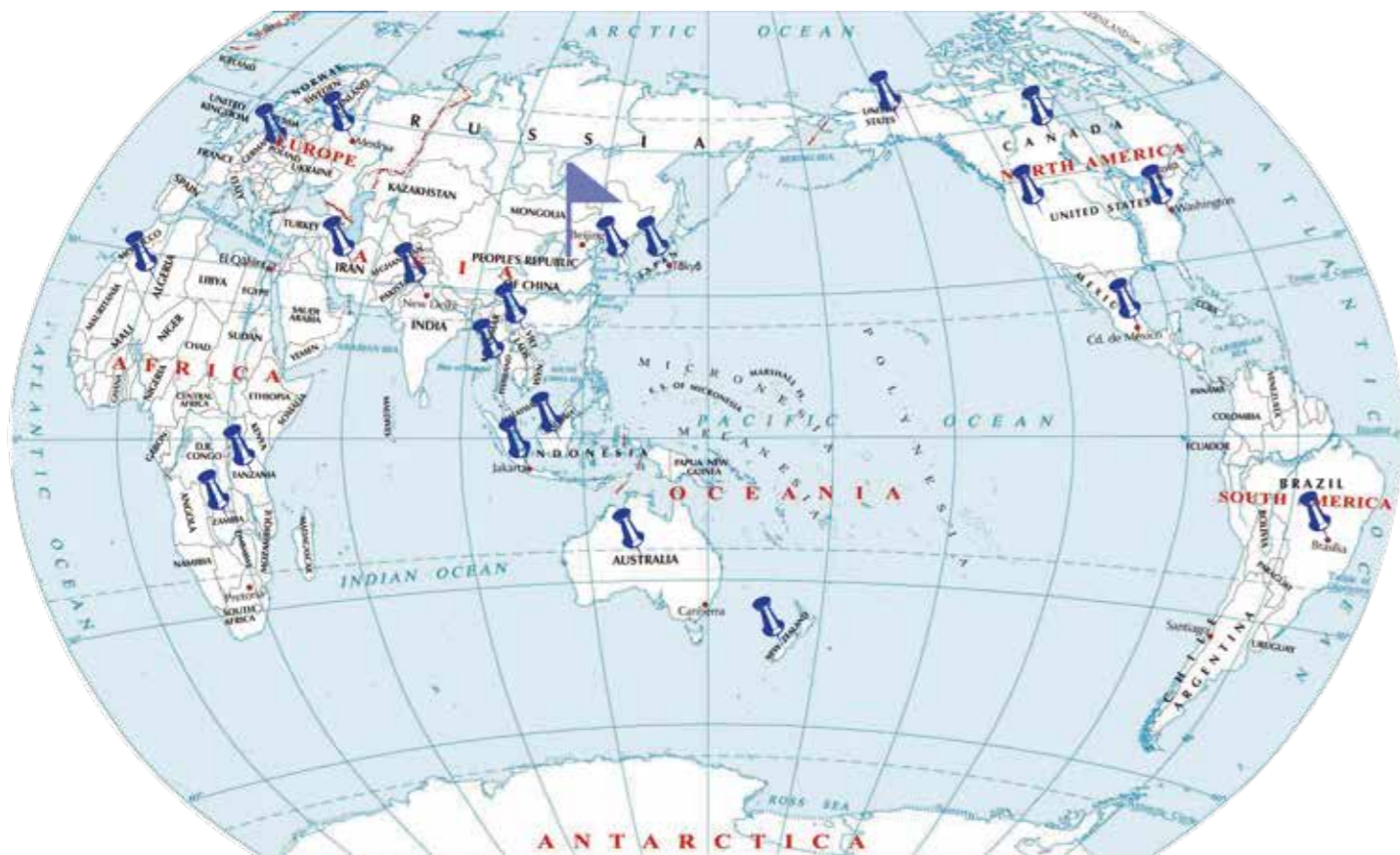
- Tel:+86-0311-89836929 / +8615032600633
- WhatsApp:+8613303313813 / +8615032600633
- Mail:admin@hfwooddryer.com / haibo1@hfwooddryer.com
- Address: No. 567 Zhongshan East Road Shijiazhuang,Hebei,China
- Web:www.hfwooddryer.com / www.vhaibo.com



Hebei Shuowei Metal Manufacturing Co., Ltd.
www.hfwooddryer.com / www.vhaibo.com



CONTENT



Shuowei's high frequency vacuum kiln have been sold more than hundreds set in worldwide. Among of them have exported to United States, Canada, Australia, Newzealand, Europe, Africa, Asia and South America countries. More and more furniture manufacturers, sawmill owners, solid floor factories are benefits from our high frequency vacuum wood dryer.

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Company Profile

Hebei Shuwei Metal Manufacturing Co., Ltd. is a manufacturer specialized in design and producing high frequency vacuum wood drying machine.

We have experienced technical team, mature production technology, advanced quality control system and a strong after-sales service team. We only specialize in wood drying machine. More than 31 years experiences in wood drying and R&D personnel help us lead the wood drying markets. Shuwei's high frequency vacuum kiln have been sold more than one thousand sets all of the world including United States, Canada, Australia, Newzealand, Europe, Africa countries, Asia countries, South America countries and so on. More and more furniture manufacturers, sawmill owners, solid floor factories are benefits from our high frequency vacuum wood dryer.

Our products carry CE, SGS, BV approvals to ensure conformance to global standards wherever they are used. customer first, service first is our purpose.

Welcome to Hebei Shuwei Metal Manufacturing Co., Ltd. to visit. looking forward to long-term cooperation with you.

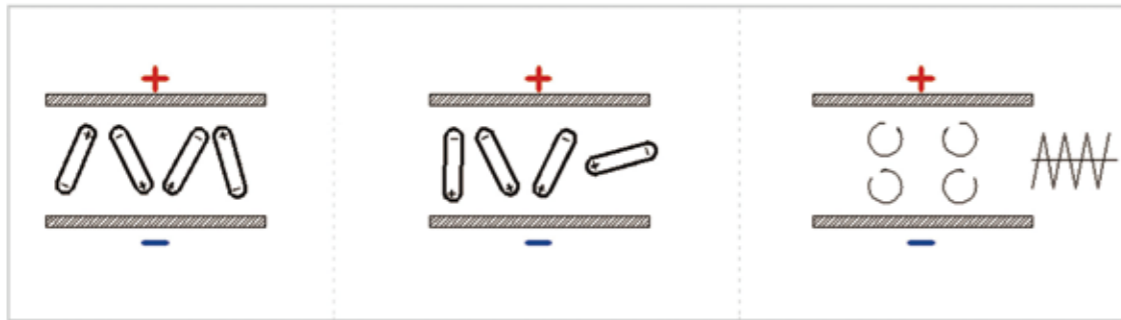


Certificates >>>



► High Frequency Technology

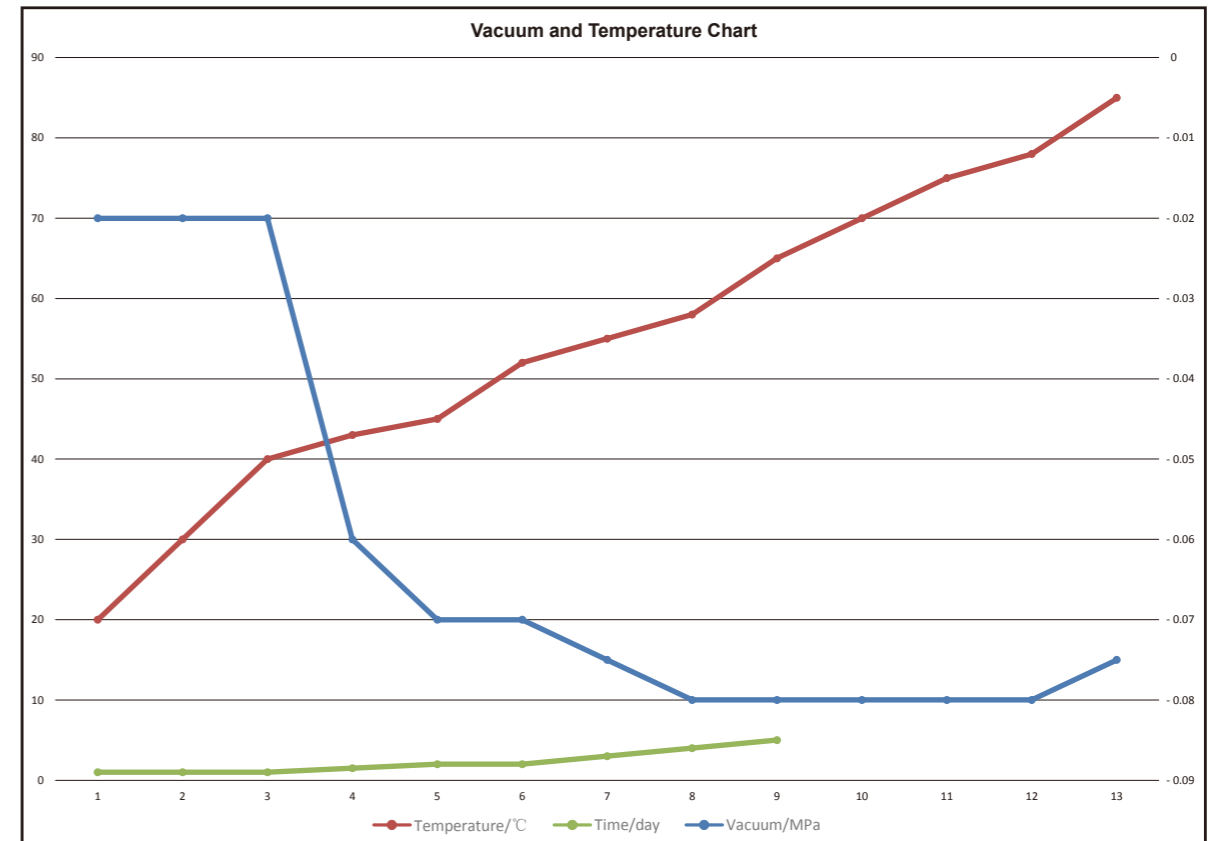
HIGH FREQUENCY GENERATOR HEATING



The high frequency vacuum dry kiln adopts high frequency medium heating and vacuum dehydration technology.

High frequency is also called radio frequency, it is a kind of direct heating. The principle is using the wood as a medium, capacitor is a group between two pieces of metal plate. Then give them voltage, the electric field produced between the two plates. The water molecules between electrodes will be polarized by the alternating magnetic field and move in very high speed rapidly. The impact and friction (billions of times per second) among water molecules creates heating in very short time. The conventional steam kilns or common vacuum kilns use the heating transfer to dry the wood from surface to core. High frequency power does not heat wood moisture but makes wood moisture heated themselves. It is kind of direct heating. This continuous effect lets whole wood heated surface to core wholly and uniformly. That is one of the reasons why the high frequency vacuum machine is 10 times faster than conventional wood drying kiln.

► High Frequency Technology



The hardwood from 30% moisture content to 8-10%MC only take 4-6 days and the fresh cut wood only take 10-12 days to get 8-10% moisture content.

Our kiln also adopts vacuum dehydration technology. The stainless steel vacuum pump can make the vacuum oven reach -0.093Mpa condition. The vacuum condition is to make water vaporized in low temperature below 55 °C. At the same time, vacuum can also suck the wood moisture out. The machine cooling system will separate the hot air and hot water out, then cool them and release them out. Wood is drying under a vacuum and wet condition at low temperature. That will ensure wood is no cracks and keep the wood nature color.



Stainless steel vacuum pump and electromagnetic valve



The pressure plate is made of stainless steel 304



Stainless steel condenser



Taiwan hydraulic system, stainless steel hydro-cylinders



Main electronic components use schneider



Patent design of square vacuum chamber



Vacuum oven

Square shape vacuum oven is our patent design, it is easy to stack wood and load more woods.

High frequency generator

High frequency generator is the core technology of our kiln, the main function is transfers electricity into high frequency power. The PLC control system is also in the high frequency generator.



Intelligence cooling system

The auto cooling system is consist of cooling tower,built-in condenser and External condenser. The function is for condensating hot moisture and separating water from air.



Hydraulic pressure system

We use Taiwan hydraulic pressure system and stainless hydro-cylinders. Supply more than 6 tons pressure on the wood to keep it straight.



Auto feeding cart

There is an motor on timber feeding cart. It will save labor to load and unload the wood stacking.





► SPECIFICATION

Model	SW-4.0III-DX	SW-6.0III-DX	SW-8.0III-DX	SW-10.0III-DX	SW-12.0III-DX	SW-14.0III-DX	SW-20.0III-DX
Capacity(CBM)	4.4	6.6	8.64	10.08	12.48	14.56	21.6
Out Dimension	5400	6500	7600	8600	9600	9600	9600
	1716	1916	2000	2000	2000	2200	2700
	1806 mm	2006 mm	2090 mm	2090 mm	2090 mm	2290 mm	2300 mm
Inside dimension	4600	5700	6800	7800	8800	8800	8800
	1500	1700	1750	1750	1750	1950	2400
	1500 mm	1700 mm	1750 mm	1750 mm	1750 mm	1850 mm	1950 mm
Timber cart (mm)	4000*1100*1000	5000*1200*1100	6000*1200*1200	7000*1200*1200	8000*1300*1200	8000*1400*1300	8000*1800*1500
Max Length of Wood	4m	5m	6m	7m	8m	8m	8m
High Frequency	6.78MHz	6.78MHz	6.78MHz	6.78MHz	6.78MHz	6.78MHz	6.78MHz
Input Power	15KVA	30KVA	40KVA	50KVA	50KVA	60KVA	90KVA
Oscillation Power	10KW	20KW	30KW	40KW	40KW	50KW	80KW
Vacuum pressure	-0.093Mpa	-0.093Mpa	-0.093Mpa	-0.093Mpa	-0.093Mpa	-0.093Mpa	-0.093Mpa
Weight(kg)	5000	7000	9000	11000	13000	15000	17000
Packing	40HQ	40HQ	40HQ	40HQ	40HQ	40HQ	Flat rack container
Apply for all wood species							
Also can be customized for capacity							

► INTRODUCTION

It is the most advanced and safe technology in drying field, no radiation and noise, smart PLC control, full auto working ways, save your much time and costs on it. HF working principle is to heat the timber uniformly and quickly, with the advanced hydraulic pressure system, the drying quality is very good, no bend and crack.

► APPLICATION

To dry all kinds wood whatever it's hardwood or softwood.

1. Normal solid wood.
2. Rose wood, hardwood, large square beams.
3. Thin and plain cutting board, peeling veneer, flooring.

Shuowei company is always cooperating with Northeast Forestry University, Nanjing Forestry University and Beijing Forestry University developed and manufactured this equipment together in 1998. Shuowei is the first producer of this machine in China.



Experienced Manufacturer

Large workshop, sophisticated machines, professional production lines.

Chief Engineer

15 years drying experience, unique work way to get the best drying quality.



Professional Sales Team

Whole heartedly service, which will allow you not to worry about imports of machine.

Responsible Service Department

24 hours online to help you solve all questions.



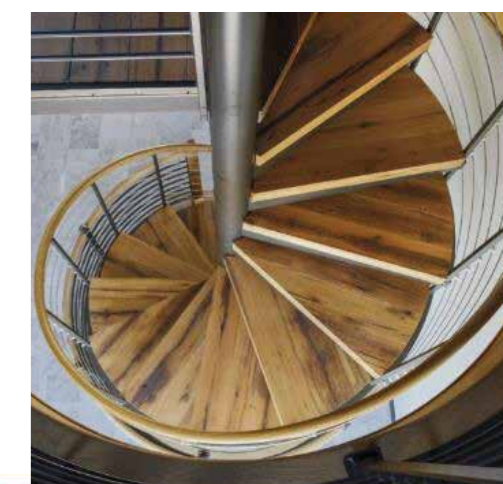
► MC AFTER DRY



► APPLICATION

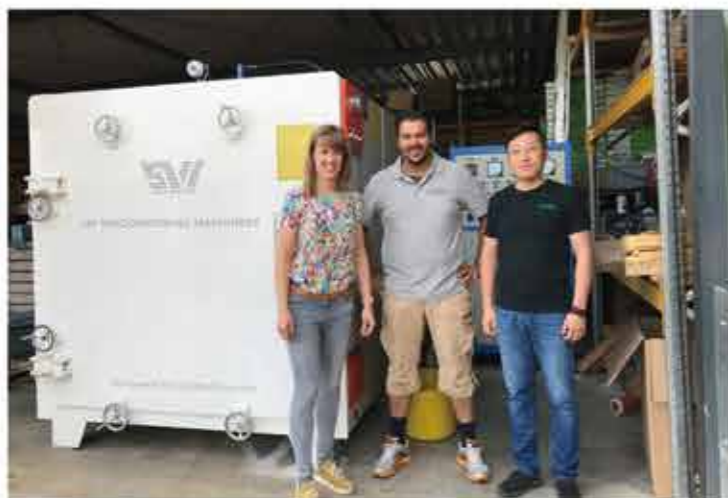
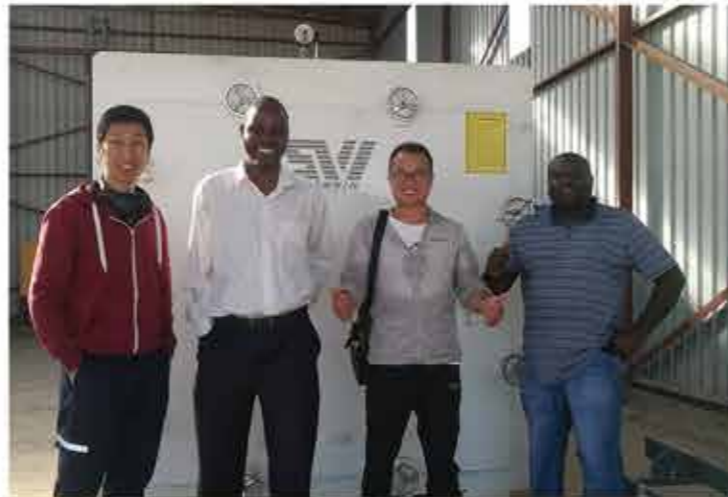


Application Of Wood After Drying





▶ OUR CUSTOMERS



▶ OUR CUSTOMERS





► OUR CUSTOMERS



► OUR CUSTOMERS

