



HANCHANG



Infinite Energy Naissance

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Why Han Chang

Transformer with continuous investment and technical development over 30 years, Han Chang Trans produce the Wind Power Transformer preferentially considering an environment that minimize degradation phenomenon, quake-proof, resonance and its miniaturize, eco-friendly long-life able to set by land and sea. We become a Global-Company with the artisan spirit that make what buyer want, our staff will head together to a future in order to produce the best transformer as well.



Who we are?

Who we are

What we make

What we have

Why Han Chang



1 Introduction

A Transformer with continuous investment and technical development over 30years, Han Chang Trans produce the Wind Power Transformer preferentially considering an environment that minimize degradation phenomenon, quake-proof, resonance and its miniaturize, eco-friendly long-life able to set by land and sea. We become a Global-Company with the artisan spirit that make what buyer want, our staff will head together to a future in order to produce the best transformer as well.

- 1 Established in 1975
- 2 Eco-friendly Long-life
- 3 Best for Price, Delivery, Quality
- 4 Diversity of abroad experience

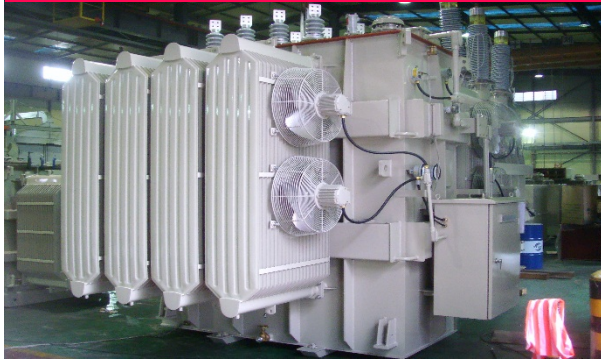


Who we are?

2 Main Products

Six Major Products, Max Capacity 150MVA, Max Voltage 154kV

Power Substation Transformer



Substation Transformer



Pad Mount Transformer



Wind Power Transformer



High Efficiency Oil Immerse Transformer



Dry Transformer



Who we are?

3

Locations

Service Contact Point



Vancouver, CANADA

Long Beach, USA

Miami, USA

Singapore

Melbourne, Australia

Busan, South Korea



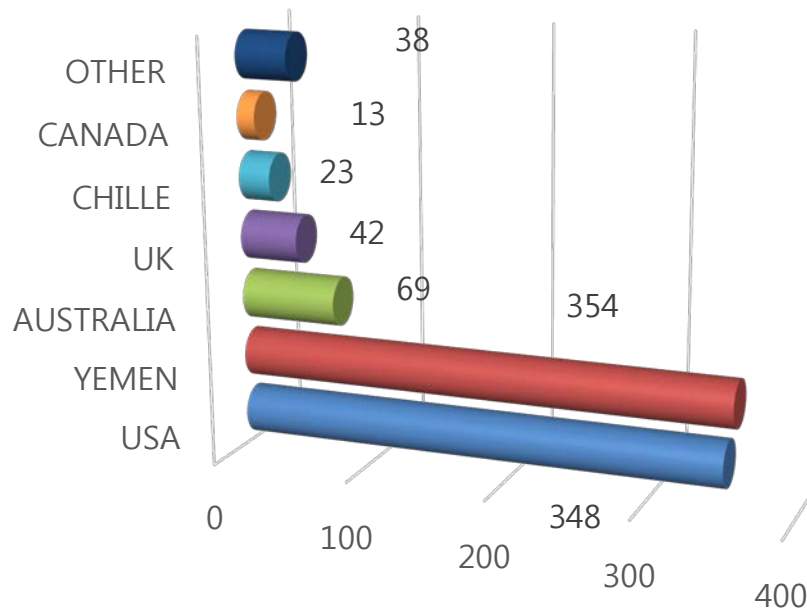
The 1st factory in Korea
Gross area - 70,234ft²



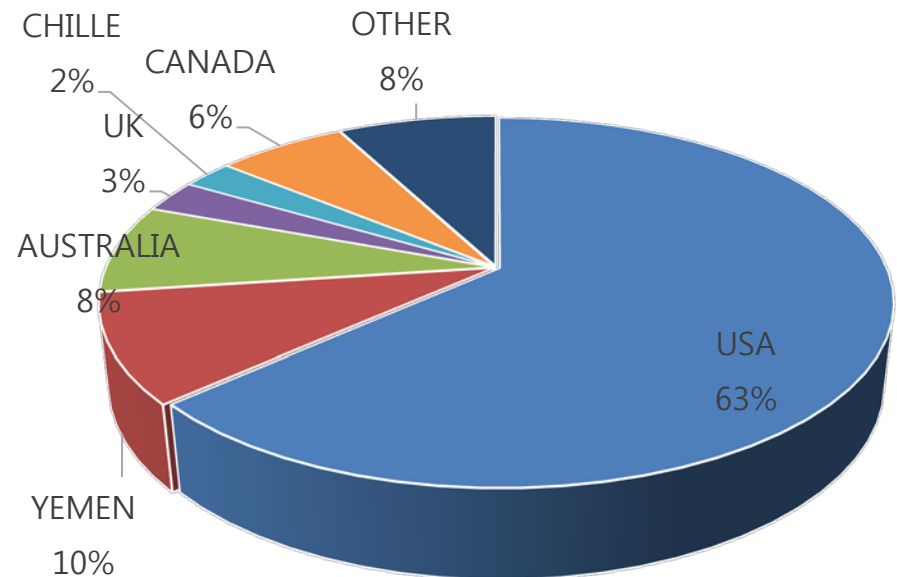
The 2nd factory in Korea
Gross area - 458,532ft²

4 Export records

Count on Abroad Sales (Unit:TR)



The Amount rate per Country (Base:USD)



Exports are comprised of 70% in total sales
(Capacity: 50kVA~150MVA, Duration: 2008 ~ 2012)



What we make?

Who we are

What we make

What we have

Why Han Chang



1 Pad Mount Transformer

Capacity: up to 5000kVA, ONAN



Primary Voltage:
up to 154kV
Hz: 50/60Hz

Live Front Radial Feed
Dead Front Radial Feed
Live Front Loop Feed
Dead Front Loop Feed

Simple&Compact Design

Free extra facilities due to
an insulation from outside
power

Standard: KS, IEC, ANSI,
NEMA, CSA, BS, AS, etc

2 Power Distribution Transformer

Capacity: up to 100mVA, ONAN



Primary Voltage:
up to 154kV
Hz: 50/60Hz

Customized, Stabilized,
Compact Design

Radiator
/ Corrugated finwall

FR3 / Silicon / Midel /
Mineral oil

Standard: KS, IEC, ANSI,
NEMA, CSA, BS, AS, etc

3 Wind Transformer

Capacity: up to 5800kVA, ONAN



Primary Voltage:
up to 154kV
Hz: 50/60Hz

Standard: KS, IEC, ANSI,
NEMA, CSA, BS, AS, etc

Radiator
/ Corrugated finwall

Hermetically Sealed
and compact type

Onshore / Offshore

What we make?

4 Corrugated Fin Wall

Various Size: W 450 ~ 1600, D upto 3750, H 90 ~ 400



What we have?

Who we are

What we make

What we have

Why Han Chang



1 Facility for Manufacture

Facility

Horizontal Winding Machine



Annealing Furnace



Drying Furnace



Vacuum-Impregnating Furnace



Insulating oil charger

What we have?

2 Facility for Manufacture

Facility

Core Cut-to-length
Machine

Forming Machine

Core Stacking

Corrugated Finwall
Machine

Electric Poudre Coating
system



What we have?

3

Facility for Test

Equipment	Standards	Equipment	Standards
Loss Measurement	1,3phase 220V,380V	Tempreture Measurement	Max 1370°C
Applied voltage	50kV, 300mA	HUKUMEDA	Max 750V, 2000A
Induced voltage	400Hz 37kW, 75kW	P.T	220-1100V 110V
Impulse voltage	800kV, 100mA	C.T	10-1500A/5A
Micro ohme meter	0.01~100KΩ	Thermo-Hygrostat	Max 80°C,
Ratio meter	8V, 60Hz, 0~500V	S.F.R.A	10~25MHz,1 00MS/s, 50Ω
Oil Tester	50kV	P/F TESTER	0~10K
Coating thickness	0~500μm	I.V.R	300KVA, 750KVA
Noise Level meter	30~130dB	Insulation resistance	10000V /20GΩ





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1 Cost Reduction Efforts

Han Chang Trans has

Equipment for Corrugated Finwall & Pouder Coating

- ➔ **Customizing system**
- ➔ **Fast & Flexible reaction**
- ➔ **Save outsourcing**

2 Various Experiences

Han Chang Trans exports

**Various experiences in different application
across **America, Europe, Australia, Asia, Middle east****

- ➔ **Highly effective Customization ability**
- ➔ **Worldwide sales and support network**
- ➔ **All standard ANSI, IEC, UL, CSA, KS, etd.**

3 Han Chang Standards

Han Chang Trans bases on

**HCT Pad & Distribution Transformer Standards
for capacity **100 ~ 3000 kVA**, voltage up to **154kV****

- ➔ **Ready to Design**
- ➔ **Competitive Price**
- ➔ **Save Lead time**

4 Flexible Production Line

Han Chang Trans specialized for

Manufacturing all capacity 100kVA ~ 150MVA, and various types for Pad, Distribution, Power, Wind, Dry Transformer

- ➔ **Diversity from Experiences**
- ➔ **Well-stored Design**
- ➔ **Low cost production base**

Contact us!



Any Inquiries are welcomed

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