

A Walk Around High Voltage, Inc.



Come in and see:

Our Factory & its Various Departments
Our Extensive Manufacturing Capabilities
Our many Product Lines



HVI ISO 9001 2015

The World's Source for High Voltage Test Equipment

MADE IN THE USA

High Voltage, Inc. • hvinc.com • p. 518.329.3275 • f. 518.329.3271 • 31 County Route 7A • Copake, NY 12516 USA

Welcome. Let's Start with the Outside



3 buildings, 29,000 sq' on 6 acres



Our new building façade and sign



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The Copake, NY area & the Hudson Valley bordering MA. & CT.



100 miles North of New York City
50 miles SE of Albany, NY

30 miles East of the Hudson River
1 mile West of the CT & MA border

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Inside the plant

We Design it!

We Build it!

We Support it!

High Voltage, Inc. is a true manufacturer, not merely a reseller of products made elsewhere. HVI is a vertically integrated manufacturer that designs and produces most of the components within its products thru to the finished assembly. A quick look around our plant will show the depth of our abilities, from sales and marketing, engineering, transformer and HV power supply design & construction, analog & digital controllers assembly, products test department, and shipping.



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It Starts with Sales & Marketing



Over 10 trade shows per year



Tom Grayson – Inside Sales



One of several office nooks



Conference room secrets



Seminar in China – Mike Peschel



Sales demo fleet

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Engineering May Have to Design it

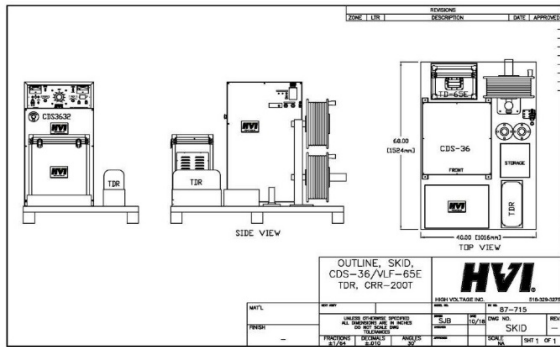
CDS SERIES TEST DATA SHEET											
SERIAL No.	TEMP.			HUM.			TEMP.			HUM.	
	Er	Ir	AV	VM	SC	IR	OIL TEST	Er	Ir	AV	
14 TAP OUT							14 TAP OUT				
12 TAP OUT							12 TAP OUT				
FULL TAP							FULL TAP				
DATE:	Check RTN-GND										
FINAL TEST											
DATE:	To FULL VARIAC SC										
	CR	IRMS	AV	VM	POS	NEG.					
	HS	FS	HS	HS							
	FS	FS	FS	FS							
SWAP HIGH COMMON INPUT			CD Timing Range			TDR PICK-UP TEST			OK		
Notes:											



What? Dave Robertson & Bruce Olson



Yikes! Research isn't always pretty



Can we get those in digital format?



Dave Robertson proofing new VLF software

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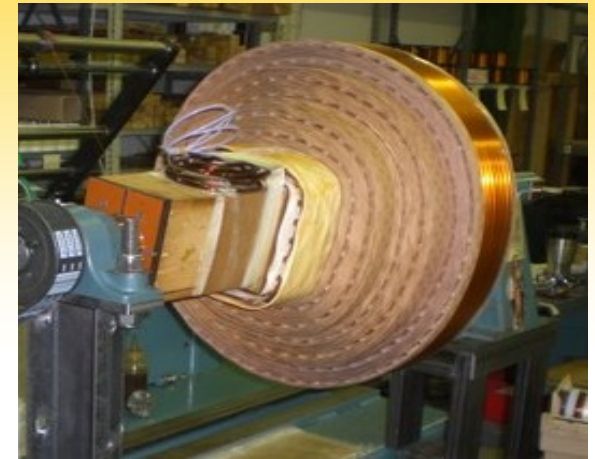
Then We Wind the Transformers



Multi-winding five transformers at a time



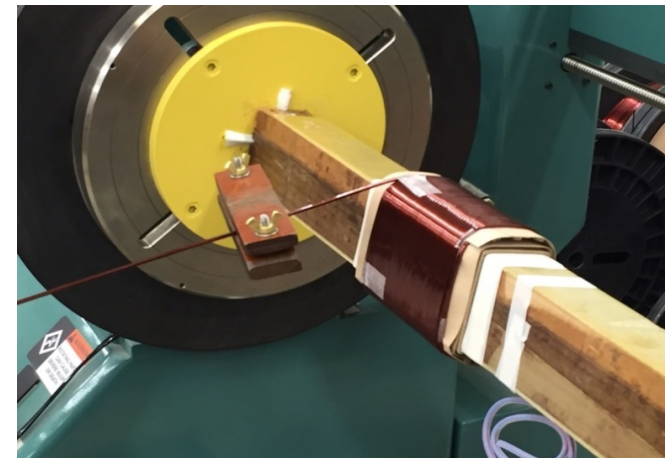
Winding all shapes and sizes



Coil for 150 kV @ 40 kVA transformer



Five multi-winding and two hand winding machines



Hand winding a primary coil

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Then We Assemble the Transformers



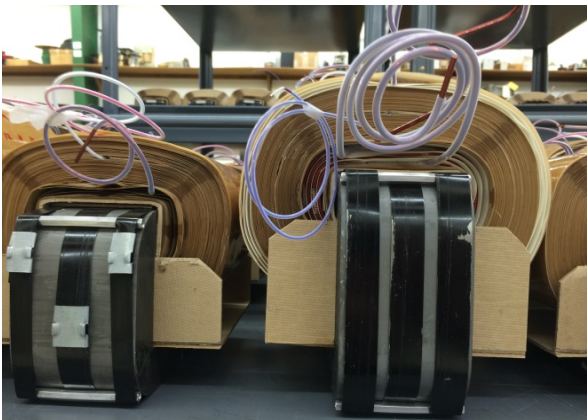
Selecting and cutting the tubes for coil winding



Selecting a steel c-core for the transformer



The parts to assemble



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Vacuum Pressure Impregnate (VPI) & Process the Transformers



Vacuum Pressure Impregnation Systems
Bake Ovens and Oil Cleaning & Filtration Filters

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Build the HV power supply, tank it, then vacuum process the assembly



Tank building in process: transformers, rectifiers, resistors, solenoids, capacitors, bushings, ...



Waiting to be tanked and processed



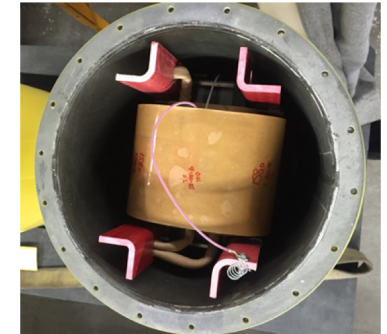
Fiberglass tubes containing transformers, oil filled
A look inside - below picture



HVI designed and built HV bushings



Processing the finished tank assembly



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Production Dept. Assembles the Controls



Wire harnesses made, control panels assembled, custom switches assembled, and more...



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Machine Shop & Metal Working Makes Noise



Custom machined parts made

The Mess Stops Here!



Steel & aluminum cabinet and oil tank production using metal shears, punches, breaks and Stripit machines

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Our Warehouse and Hi-Bay Extension



A second and larger vacuum tank



Cable reels storage and other larger items



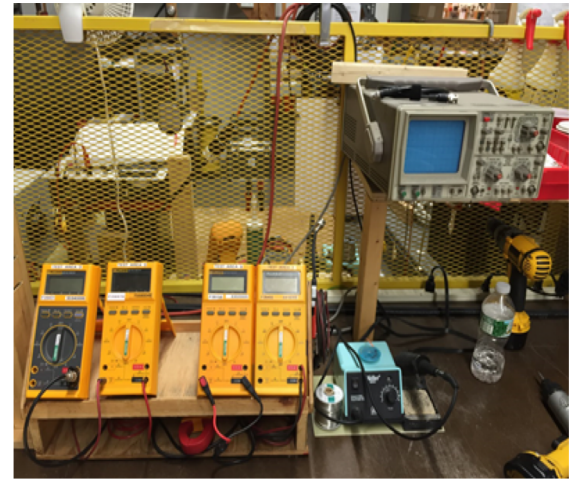
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The Test & Cal. Department is next



Four new product test stations and one repair station

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Pack-Out Gets it Ready to Ship



Order it today, we will ship it today or tomorrow

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Shipping Dept. Sends it Out



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Finished Products Waiting to Ship



HVI maintains nearly a \$1 million finished goods inventory to ship most product's from stock.

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Thank You for Visiting



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