



NIAGARA POWER TRANSFORMER

Powering Possible.

FUNCTIONAL JOB DESCRIPTION

MATERIAL PREP FULL TIME

8H DAY | 40H WEEK | 30M LUNCH | OCCASIONAL OVERTIME

GENERAL DESCRIPTION OF DUTIES

JOB DUTIES INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING

- Read and interpret winding sheets, drawings and sketches to fabricate parts required for winding coils
- Read and interpret core sheets, drawings and sketches to fabricate core insulation parts
- Read and interpret assembly sheets, drawings and sketches to fabricate parts required for lead structures
- Operate machinery including punches, brakes, slitters, shears, saws, routers, drills, sanders, cranes and fork trucks as needed
- Efficient usage of brazing and welding equipment
- Use various hand tools as needed
- Accurate use of various measuring devices
- Interpret and carry out verbal instructions from designated persons or supervisors
- Ability to meet the company's standards for safety, quality and quantity of work
- Must have own tools

ESSENTIAL MINIMUM PHYSICAL DEMAND JOB REQUIREMENTS

DEXTERITY

- High level of hand coordination for tool use
- High level of hand coordination to perform assembly activities
- Above average grip strength for tool use
- Above average pinch strength for lifting core steel

POSTURAL

- Standing continually
- Walking frequently
- Standing bent forward frequently
- Rotation in standing frequently

AGILITY-MATERIAL HANDLING

- Lifting and carrying lumber up to 40 lbs
- Lifting materials up to 50 lbs

PHYSICAL DEMAND CHARACTERISTICS OF WORK FOR THE POSITION OF MATERIAL PREP

DEMAND LEVEL	O = OCCASSIONAL 1–33% OF WORKDAY	F = FREQUENT 34–66% OF WORKDAY	C = CONTINUOUS 67–100% OF WORKDAY
SEDENTARY	0–10 LBS	NEGLIGIBLE	NEGLIGIBLE
LIGHT	11–20 LBS	0–10 LBS	NEGLIGIBLE
MEDIUM	21–50 LBS	11–20 LBS	0–10 LBS
HEAVY	51–100 LBS	21–50 LBS	11–20 LBS
VERY HEAVY	OVER 100 LBS	51–100 LBS	21–50 LBS

PHYSICAL DEMAND STRENGTH RATING: MEDIUM

NON-MATERIAL HANDLING ACTIVITIES	N	O	F	C
CRAWLING		⚡		
SITTING		⚡		
STANDING				⚡
WALKING			⚡	
STAIR CLIMBING		⚡		
LADDER CLIMBING		⚡		
BALANCE				⚡
CROUCH		⚡		
REPETITIVE SQUATTING		⚡		
KNEELING		⚡		
REACHING FORWARD		⚡		
REACHING OVERHEAD		⚡		
FORWARD BENDING - SITTING		⚡		
FORWARD BENDING - STANDING		⚡		
STATIC BENDING		⚡		
FOOT OPERATION - LEFT ONLY		⚡		
FOOT OPERATION - RIGHT ONLY		⚡		
FOOT OPERATION - BOTH/EITHER		⚡		
STEPPING UP/DOWN		⚡		

LIFTING	FORCE	N	O	F	C
0–10 LBS			⚡		
11–25 LBS			⚡		
26–35 LBS			⚡		
36–50 LBS			⚡		
51–75 LBS		⚡			
76–100 LBS		⚡			
100+ LBS		⚡			
PUSH FORCE UP TO 50'	50 lbs		⚡		
PULL FORCE UP TO 50'	50 lbs		⚡		

CARRYING	DISTANCE	N	O	F	C
0–10 LBS	UP TO 20'		⚡		
11–25 LBS	UP TO 20'		⚡		
26–50 LBS	UP TO 20'		⚡		
51–75 LBS		⚡			
76–100 LBS		⚡			
100+ LBS		⚡			

N = Never | O = Occasional | F = Frequent | C = Continuous

HAND/ARM USE	N	O	F	C	LEFT ONLY	RIGHT ONLY	BOTH/DOMINANT
PINCH			⚡				⚡
GRIP			⚡				⚡
FINE MANIPULATIONS			⚡				⚡
FINGER PRESS			⚡				⚡
KEYBOARD		⚡					⚡
TAMPING			⚡				⚡
TOOL USE				⚡			⚡

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EXPOSURES	
NOISE 82db (a)	⚡
DUST	⚡
DAMPNESS	
WHOLE BODY VIBRATION	⚡
VIBRATION: HANDS	⚡
CHEMICALS	
JARRING	⚡
COLD < 45°F	
HEAT > 85°F	
HEIGHT < 3'	
HEIGHT > 48"	

SENSORY FUNCTIONS ESSENTIAL FOR SAFETY	
LIGHT TOUCH	⚡
DEPTH PERCEPTION	⚡
WRITING	⚡
SPEAKING	⚡
COLOR DISCRIMINATION	⚡
SEEING	⚡
HEARING	⚡
READING	⚡
WORK INDEPENDENTLY	⚡

PROTECTIVE EQUIPMENT REQUIRED	
FOOT PROTECTION HARD SOLE NON-SKID WORK SHOE	⚡
EYE PROTECTION	⚡
HEARING PROTECTION	⚡
N95 RESPIRATOR OR PAPR	
GLOVES	⚡
GOWN	

SKILLS OR SPECIALIZATION REQUIRED

- Must be able to safely work with power tools
- Must be able to follow directions and read instructions
- Good math skills, able to read a tape measure and take accurate measurements

PHYSICAL DEMAND CHARACTERISTICS

This job is rated **medium**. This rating is set forth by **The United States Department of Labor**.