



Mechanical Design Engineer

Position Description

Department: Engineering	Reports To: General Manager
FLSA Status: Salaried, Exempt	Position Status: Full Time
Position Location: Paphos, Cyprus	Updated: 10-Oct-23

Employee Receipt

I have received and read this position description and can perform the essential functions of the job as well as the physical and work environment demands and agree to perform accordingly.	
Employee Signature:	Date:
Print Name:	

Summary of Position Functions

The Mechanical Design Engineer will help design new Copper Mountain Technologies (CMT) VNAs (Vector Network Analyzers) used by customers all over the world. Our USB VNAs are next generation analyzers designed to meet the needs of 21st Century engineers. Our VNAs include an RF measurement module and a processing module, a software application which runs on a Windows PC, laptop or tablet, connecting to the measurement hardware via USB interface. CMT was awarded innovation and product leadership awards by Frost & Sullivan in 2015, 2017 and 2020.

The Mechanical Design Engineer will work closely with RF Design and Manufacturing to ensure delivery of quality solutions to customers. Take this opportunity to join a great company. This position is located in Pathos, Cyprus.

Essential Position Functions

- Active Involvement in full product development life cycle: research, design, manufacture, testing and maintenance
- Development of design documentation for new VNAs
- Modification of existing design documentation for streamlining production



- Execution of drawings according to production requirements
- 3D modeling using SolidWorks

Note: The statements contained herein describe the essential functions of this position, but should not be considered to be an all-inclusive listing of work requirements. Individuals may perform other duties as assigned including work in other areas to cover absences or relief to equalize peak work periods or otherwise balance the workload.

Supervisory Responsibilities

None at this time

Education and Qualifications

To perform this position successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Engineering Degree: B.Sc. Mechanical Design or equivalent
- 5+ years of professional experience
- Ability to communicate, read, write in English on professional topics

Knowledge, Skills, and Abilities

Required:

- 3D modeling of parts and assemblies in SolidWorks
- Ability to read drawings
- Knowledge of ISO GD&T rules and regulations
- Knowledge of the fundamentals of electrical engineering and materials science
- Ability to work with a large amount of information (CD)
- Attentiveness
- Perseverance

Desired:

- Having a demonstrable portfolio
- Experience in case products design



- Knowledge of technologies and methods of part manufacturing (bending, milling, turning, etc.)
- Experience in or familiarity with the field of radio electronics
- Experience as an industrial designer
- Experience with Scrum methodology
- Knowledge of the Russian language

Certifications, Licenses, Registrations

Valid Driver's License

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demand	Never (0%)	Occasionally (1-30%)	Frequently (31-60%)	Continuously (61-100%)
Sit				X
Stand		X		
Walk		X		
Use hands to finger, handle, or feel				X
Reach with hands and arms			X	
Climb or balance	X			
Stoop, kneel, crouch, or crawl	X			
Talk or hear				X
Taste or smell	X			
Travel		X		
Overtime			X	
Up to 50 pounds		X		
Up to 100 pounds	X			
More than 100 pounds	X			
Close vision				X
Distance vision		X		



Color vision				X
Peripheral vision		X		
Depth perception		X		
Ability to adjust focus				X

Work Environment Demands

Environmental Demand	Never (0%)	Occasionally (1-30%)	Frequently (31-60%)	Continuously (61-100%)
Wet or humid conditions	X			
Work near moving mechanical parts	X			
Work in high, precarious places	X			
Fumes or airborne particles	X			
Toxic or caustic chemicals	X			
Outdoor weather conditions	X			
Extreme cold (non-weather)	X			
Extreme heat (non-weather)	X			
Risk of electrical shock	X			
Video Display Terminals				X
Work with explosives	X			
Risk of radiation	X			
Vibration	X			

The noise level in the work environment is usually moderate.