

Job Description

Title: Printing and Ink Engineer Cost Ctr: 801

Work Location: Addison, TX Position Status: Full-time Part-time

Division & Department: _____

Position Reports to: SVP & GM, Currency & Tax Stamp

COMPANY VALUES

All Authentix employees are expected to embrace our Company values in the performance of their respective tasks and duties.

Always with *integrity*.....Authentixians value:

- Dedicate ourselves to our customers' success
- Compete and win with integrity
- Create innovative solutions with science and technology
- Team and collaborate with accountability

JOB SUMMARY

The Print and Ink Engineer relies on knowledge of and experience with ink formulation (paste inks and ink jet inks) to develop, oversee and support ink development, ink production and the generation of print samples for technical evaluation and client demonstrations. This job requires a BS in science, materials engineering or equivalent. Advanced knowledge in materials and ink formulation, ink jet printing and image capture devices, production/packaging automation, and the ability to work independently with little supervision is required.

SUMMARY OF ESSENTIAL JOB FUNCTIONS

The essential functions listed below are representative of the functions that must be performed to satisfactorily fulfill the purpose of this job. Additional functions and duties may be assumed or assigned from time to time.

- Work closely with our Principal Development Chemist – Security Inks & Coatings regarding ink development and small batch (kgs) production;
- Work independently or with a team of specialists to develop products from concept to commercialization;
- Conduct various lab tests pertinent to developing and validating inks, raw materials and developing test or formulation procedures;
- Facilitate the implementation of trial and contracted printed security features at commercial and security printers both domestically and on occasion internationally;.
- Formulation and printing testing of continuous and thermal ink jet inks. Testing involves evaluation of print quality, suitability for production and confirmation of appropriate optical and physical properties from proprietary and purchased security inks;

Job Description

- Establishment of a test print center for the evaluation of ink jet ink printed bar codes, image capture of the printed items and assessment of material based and digital authentication features;
- Track and keep maintenance schedule current for various thermal and continuous inkjet printers including personal knowledge of basic cleaning, flushing, minor repairs of printer fleet; and
- Serve as a technical resource for the broader group in select focus areas of technology.

KNOWLEDGE, SKILLS AND ABILITIES [education, certification, experience, general skills)

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. The requirements listed below are representative of the knowledge, skills and/or abilities required to satisfactorily perform the essential functions of this job.

- Minimum base level experience formulating offset, gravure, silk screen and other paste inks containing specialty additives or pigments;
- Ink jet ink formulation experience;
- Cleaning, ink loading and operation of continuous ink jet ink printers;
- Operation of UV/VIS spectrophotometers, fluorimeters, reflectometers, and other optical laboratory equipment including custom designed systems;
- Basic system engineering including the use of camera systems, product sensors, function generators and related image and data capture devices;
- Passionate, innovative, and motivated with excellent attention to detail;
- Mastery of MS Office 365 suite;
- BS or higher in science, materials engineering, or a related field; and
- 5 years of experience related to the job functions described above.

SPECIAL REQUIREMENTS [Travel %, language, etc.]

- Approximately 15% domestic/international travel required

WORK REQUIREMENTS

The work environment characteristics are representative of those an employee encounters while performing the job. Authentix is committed to complying with all applicable provisions of the Americans with Disabilities Act (ADA), the ADA Amendments of 2008 and all applicable state and local laws concerning disability accommodation. Reasonable accommodations will be provided to individuals with known physical or mental disabilities if such accommodation would not impose an undue hardship on the company, and would enable the individual to apply for, or perform, the essential functions of the position in question.

Environment: Work is performed primarily in a standard [office/warehouse/lab] environment. Employees may work under the stress of regular interdepartmental interaction and pressure to meet various deadlines.

Job Description

Physical: Essential functions require sufficient physical ability and mobility to work in an [office/warehouse/lab] setting. While performing the duties of this job, the employee is frequently required to stand and/or sit for prolonged periods of time; must be able to hear and verbally communicate in order to exchange information in person or over the phone; to occasionally stoop, bend, kneel, crouch, reach and twist; to lift, carry, push and/or pull up to 25 pounds of weight; to operate office equipment requiring repetitive hand movement; to occasionally travel to other locations using various modes of private or commercial transportation.

NOTIFICATION

This Job Description is intended to describe the general nature and level of work being performed by people assigned to this job and is not considered an exhaustive list of all responsibilities, duties and required skills. This Job Description does not constitute an offer of employment. The employment relationship between the Company and its employees is "At-Will" and based on mutual consent. Authentix, Inc. is an Equal Opportunity Employer.

<i>Human Resources use only</i>	
Job Title	TITLE
Management (Yes / No)	
Status (Exempt / Non-Exempt)	
Date Revised	
HR Approval Signature / Date	
Executive Approval Signature / Date	