

**THERMAL
VALIDATIONS**

**HVAC &
CLEAN
ROOM
VALIDATIONS**

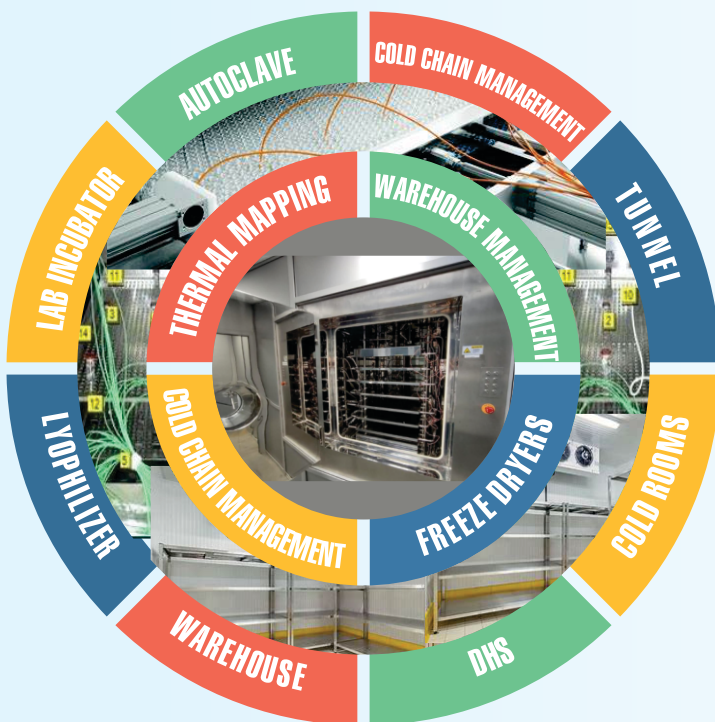
**PLC, CSV &
SPREAD
SHEET
VALIDATIONS**

**STEAM
QUALITY
TESTING**

**COMPRESSED
& NITROGEN
AIR
TESTING**

**INSTRUMENT
SALES &
SUPPLY**

**Facility /
Equipment
Qualification**



VASHISHTA ENGINEERING SERVICES is a leading validation solutions provider to the pharmaceutical and healthcare industries. Our clients recognize us as the premier source for validation professionals for projects of all sizes. In order to ensure the highest level of safety and efficacy in manufactured products, all processes used throughout the manufacturing, packaging and storage facilities, are required to be validated.

We Follow

- ▶ ISPE good practice guide-cold chain management
- ▶ WHO TRS 961-Annex 9, Supplement 8
- ▶ 21 CFR 211 cGMP for finished pharmaceuticals
- ▶ EN 285:2015+A1:2021
- ▶ PDA Technical report No.1 Validation and verification

HVAC & CLEAN ROOM VALIDATIONS

VASHISHTA ENGINEERING SERVICES provides Clean Room and Area Validation services with complete set of latest equipments by experienced engineers. Our primary area of quality service is fulfilling validation, regulatory and compliance services from stand-alone automated equipment to start-up, commissioning and validation of new facilities.

We Follow...

- ▶ ISO 14644: Part 1, & Part 3
- ▶ WHO Annex 8: Guideline for heating ventilation & air Conditioning system for Non Sterile dosage form
- ▶ USFDA: Guidance for Industry Sterile Drug Products
- ▶ EU Annex 1
- ▶ 21 CFR 211 cGMP for Finished Pharmaceuticals
- ▶ ISPE: Good Practice Guid, Heating Ventilation and Air Conditioning (HVAC)

AREA PRESSURE BALANCING

AIR VELOCITY

FILTER INTEGRITY

RECOVERY CONTAINMENT TEST

NVPC

SOUND & LUX LEVEL

AIR FLOW PATTERN TEST

PROCESS INTERVENTIONS



VASHISHTA ENGINEERING SERVICES Offers Turnkey Validation services compliant to 21CFR part 11/Annex 11 regulations in pharmaceutical industry. We undertake complete turnkey Validation from basic to detailed on PLC, computerized systems & Spread Sheet (Excel) based on GAMP guidelines

SERVICES OFFERED

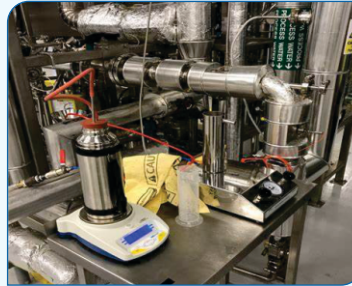
- ▶ PLC with HMI / SCADA Systems Validation
- ▶ Validate Building Management (BMS) & Environment Control Systems
- ▶ Computer Based Systems in Laboratory
- ▶ Spread Sheet Development & Validation
- ▶ PLC, HMI, SCADA Trouble Shooting & Programming



STEAM QUALITY TESTING

VASHISHTA ENGINEERING SERVICES provides steam quality test with below mentioned measurements

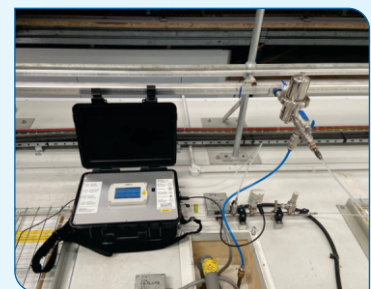
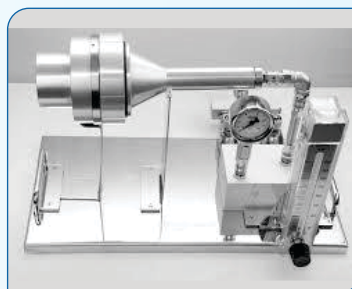
- ▶ Detect Non-Condensable Gas
- ▶ Dryness Fraction
- ▶ Super Heat



COMPRESSED & NITROGEN AIR TESTING

SERVICES OFFERED FOR COMPRESSED AIR

- Water vapour (Moisture Content)
- Carbon Monoxide-CO
- Carbon Dioxide-CO2
- Sulphur Dioxide-SO2
- Hydro Carbon-HC
- Nitrogen Oxide-NOX
- Oxygen-O2
- Dew Point
- Oil Mist
- Non-Viable Particle Count
- Hydrogen Sulfide-H2S



FACILITY / EQUIPMENT QUALIFICATION

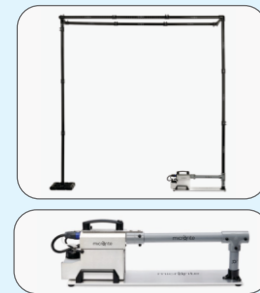
Protocol Development and Consultation

VASHISHTA ENGINEERING SERVICES can create Installation Qualification (IQ), Operational Qualification (OQ) and Performance Qualification (PQ) protocols for you or we can execute your own protocols. As a cost-saving measure, we apply our experience with instrumentation and controls recommending and implementing essential modifications to bring your equipment into compliance.

AIR FLOW INTERVENTIONS

7

Airflow visualization Captured In Multi angles covering 360 degrees by using High Quality Go PRO & 4K Professional Video cameras & Sustainable Fog Generator, Which is Majorly Used In Injectable Areas for Critical Interventions



INSTRUMENT SALES & SUPPLY

8



Our company has one of the broadest product ranges in the industry. We deal with PRESSURE, TEMPERATURE, HUMIDITY & CALIBRATION Instruments. As a leader in the Instrumentation market we work to integrate our extensive capability to meet our customer's quality, reliability, cost and performance requirements. **Scope of supply :** Data Loggers, Data Scanners, Paperless Recorders, Dry Temperature Calibrators, Universal Calibrator, Pressure Calibrators, Temperature Indicators / Controllers, Programmable Controller, Digital Pressure Gauges, Transmitters, Temperature/RH Transmitters, SCR, RTD Sensors, all types of Thermocouples, Thermo- Hygrometer, Humidity Sensor & Controllers, UV meters, Anemometer, Manometer, Tachometers, Lux Meters, Sound Level Meters, PAO Oil, Glycol Generators, PAO Generators, Water Foggers, GO Pro Cameras, etc.,

OUR CLIENTS



An ISO 9001-2015 Certified Company

VASHISHTA ENGINEERING SERVICES

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