



KESHROP SYSTEMS PRIVATE LIMITED

SPM DIV - Manufacturers of Turn-Key Inspection, Machining & Assembly Stations,
IT DIV - Calibration Management, Preventive Maintenance Management Systems
Unit No.1, Neminath Ind. Estate 3, Navghar, Vasai (E), Palghar - 401210 www.keshrup.com

KESHROP SYSTEMS PVT. LTD. (KSPL) OFFER FOLLOWING PRODUCTS & SERVICES

- **GAGetrak – Calibration Management System,**

Manufacturing companies are heavily dependent on *INSPECTION* to ensure their production is within acceptable tolerances. For *INSPECTION* various Gauges, Dimensional Instruments, Jigs / Fixtures, Process Instruments, Relation & Special Gauges are used. These Measuring Gauges & Instruments are subjected to wear / tear & requires periodic calibration.

Calibration Management System is very important for customers to whom your company supplies parts, Sub-Assemblies & Assemblies (TS – 16949, US-FDA 21 CFR). GAGetrak System offers complete solution for Calibration Management System. We offer,

- Software –
 - GAGetrak System with SQL Server Database as back end
 - GAGetrak Web Reporter & Issue / Return Module
- Hardware –
 - Server & Client PC with latest configuration
 - Calibration Label Printer & Cartridges
 - Temperature & Humidity Sensor for Calibration Lab
- Services –
 - Installation / Training, Existing Excel data transfer in GAGetrak database
 - Hand holding after GAGetrak Implementation using TEAMVIEWER Web Service

Benefits of GAGetrak System

- Calibration Lab / Standard Room / Gauge Room or Store are connected by GAGetrak System. Entire Gauges / Instruments inventory information is stored in structured database
- Capable of handling large data (500-50,000 Gauge records / History Cards)
- Eliminates paper reports. All reports, including Calibration Due is available in soft copies shared on Email or generated by GAGetrak Web reporter on every client pc
- Customer wise, Part wise inventory is maintained

- **FaciliWorks – Preventive Maintenance Management System (CMMS),**

Smooth functioning of Critical Assets such as Manufacturing Machines, Process Equipment's, and Utilities (Compressors, Generators, Cooling System, Water & Industrial Waste Treatment plants etc.) are important for small / big companies. These assets are subjected to Preventive & Emergency Maintenance calls every day. Maintenance department is more like a EMERGENCY services, always alert.

To realize true value of all ASSETS FaciliWorks - CMMS offers maximum features & benefit.

We offer,

- Software –
 - FaciliWorks System with SQL Server Database as back end
 - FaciliWorks Web Service Request Module
- Hardware – Server with latest configuration, Maintenance Label Printer & Cartridges
- Services –
 - Installation / Training, Existing Excel data transfer in FaciliWorks database
 - Hand holding after FaciliWorks Implementation using TEAMVIEWER Web Service

Benefits of FaciliWorks System

- Critical Assets, Tasks, Measurable Parameters, Maintenance Manpower / Spares & Inventory are maintained under Server based application accessible everywhere on company Intranet.
- Maintenance Tasks (Preventive & Unscheduled) are visible in REAL TIME Dashboard
- Eliminates paper reports. Maintenance Work Order can be created, modified & closed using Laptop, Mobile by service engineer.
- FaciliWorks offers a number of features that will help users comply with FDA 21 CFR Part 11, ISO 9001:2015, IATF 16949, ISO 13485:2016 and AS9100 standards
- For Pharma & Food industry Audit Log, Process Validation & Documentation (IQ, OQ, PQ)



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- **INSPECTION – Semi-Automatic/Automatic Machines with Inspection, Identification & Sorting**

Following areas are considered for INSPECTION Systems,

- **Incoming Inspection / SPC Station (Sample Inspection)** – Work Station with KurtSPC Software, Digimatic Instruments & Interfaces with Foot Switch
Key Benefits –
 - Data Collection, SPC Analysis is quick & real time.
 - Eliminates Paper work, Chart plotting. Gives operator more time for Cp/Cpk , Control Chart & Histogram Analysis & Corrective Action.
- **In-Process Inspection** – INSPECTION Station is designed as per PROCESS / OPERATION SHEET. For e.g. OP-10 Manufacturing Machine will be linked with INSPECTION Station.
Key Benefits –
 - Gauging Cycle time is 1/3rd of Machining time. This ensures Machine Operator can load / unload part on Gauge for 100% Inspection
 - Real Time Machine feed-back for Automatic Tool Offset or Alarm
 - Part Sorting (OK / Not OK)
 - ZERO OPERATOR BIAS IN INSPECTION
- **Final Inspection** – This is typical Pre-Dispatch INSPECTION station, ensures all Critical To Quality(CTQ) Parameters are checked before dispatch
Key Benefits –
 - 100% Inspection of Critical Parameters & Sorting / Marking ensures only OK Parts leaves for customer
 - If Parts are identified with unique numbers, then Inspection Data report generated which will ensure traceability & helps in warranty claims in future.
 - ZERO OPERATOR BIAS IN INSPECTION

We offer,

- Mechanical –
 - Gauging Fixtures, Setting Masters, Part Loading / Unloading & Ink Marking Systems
 - Electronics –
 - LVDT Probes, Sensors & Interface to KurtSPC Software & Web Reporting Module
 - Industrial Panel PC, PLC / HMI , Servo Motors & Drives, Electrical / Pneumatic / Hydraulic Systems
 - Services –
 - Gauge Validation on Setting Masters & Parts @ our works & customer site
 - Installation / Training & at site visits for Service Support
- **THREAD VERIFICATION SPM (for Internal / External Thread),**

Thread Verification (Internal / External) using Thread Plug & Thread Ring is painfully slow & mundane activity. Lot of Manpower is employed in 100% Thread Inspection requirement. We build Thread Verification Units (TVU) as per customer requirement. Following are the salient features,

- Cycle time <4~5 Seconds to one Thread hole or Shaft
- Controlled Input Torque, Withdrawal at full torque eliminates Thread damaging.
- Wide varieties in TVU offers, Semi-Automatic / Automatic for single & multiple Thread checking SPM

Videos Links of Thread Verification SPM for your reference.

=> YOKE - Internal Thread Verification SPM -
<https://www.youtube.com/watch?v=B7wtASWRncs>

=> SHAFT - External Thread Verification SPM -
<https://www.youtube.com/watch?v=pjZkFEcdXCk>



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- **MAJOR CUSTOMERS (Partial List) -**
 - **2 / 4 WHEELER (OEM) –**
 - FIAT – Ranjangaon Plant
 - GENERAL MOTORS – Pune Plant
 - HERO MOTOCORP – Haridwar & Neemrana Plants
 - Royal Enfield – Orgadam Plant
 - TVS MOTORS – Hosur , Mysore & Baddi Plants
 - **TRACTOR / COMMERCIAL VEHICLE (OEM) –**
 - ASHOK LEYLAND – Technical Center, Chennai
 - EICHER MOTORS - Pithampur
 - JCB – Ballabgarh Plant
 - TAFE – Sembiam, Madurai & Doddaballapur
 - **PHARMA / OIL & GAS –**
 - BADR AL MULLA - Kuwait
 - FLOWSERVE – Maraimalai Nagar, Chennai
 - L&T VALVES – Chennai, Coimbatore Plants
 - SAUDI SPECIALIZED PRODUCTS – Saudi Arabia
 - SERUM – Multiple Plants, Pune
 - **AUTO COMPONENTS SUPPLIER -**
 - ASAHI GLASS – Bawal & Sri Perumbudur Plants
 - AUTOLIV GROUP – Multiple Plants
 - BHARAT FORGE – Multiple Plants
 - BILLFORGE – Multiple Plants
 - DENSO – Noida Plant
 - FORCE MOTORS – Multiple Plants
 - GKN - Multiple Plants
 - HIGHWAY INDUSTRIES - Multiple Plants
 - HITECH GEARS – Multiple Plants
 - INDO AUTOTECH - Multiple Plants
 - JTEKT SONA – Multiple Plants
 - MAHINDA CIE – Multiple Plants
 - MAHLE GROUP – Multiple Plants
 - MAINI PRECISION – Multiple Plants
 - MUSASHI AUTO – Multiple Plants
 - NEXTEER – Multiple Plants
 - PPAP - Multiple Plants
 - RACL GEARS - Multiple Plants
 - SHIVAM AUTOTECH – Multiple Plants
 - UCAL FUEL – Multiple Plants
 - VARROC GROUP – Multiple Plants
 - ZF STEERING – Pune Plant
 - **OTHER INDUSTRIES –**
 - BOSCH POWER TOOLS – Chennai
 - KIRLOSKAR PNEUMATICS (PUMP) – Pune
 - KNORR BREMSE (RAILWAY DIV.) – Faridbad
 - LEMKEN (I) AGRO - Nagpur
 - MERCURY SHIP REPAIRS – Karwar
 - NRB BEARING – Jalna Plant
 - SKF BEARING – Pune, Ahmedabad Plants
 - SULZER PUMPS – Navi Mumbai
 - TITAN WATCHES – Hosur Plant
 - TOSHIBA JSW TURBINE – Chennai
 - TRIVENI ENGG – Mysore