HELLO INDUSTRY
K-TEX Automations, one of the leading industrial automation solutions and service provider, having vast experience in Machine Tool and Process industries.

K-TEX was established in the year of 2002, to cater component level services of the industrial controllers and drives. Few years functioned as an Authorized Service Center of M/s Schneider electric, France for Soft starter, Drives and PLC products.

By 2005, K-TEX expanded its activities as an Authorized System integrator for GE FANUC, USA.

K-TEX offering complete automation solutions from concept to commissioning in CNC, PLC, DNC, Robotics and Embedded Controller Environments.

K-TEX with years of expertise started manufacturing CNC Lathe, Milling and Flame Cutting to cater pre machining solutions, since 2012.

Expecting your valuable support to serve
Thanks for your time

S. THANGAKRISHNAN | CEO
PRECISION MACHINING SOLUTIONS

Scope of Engineering

Sizing of Servo Motor
Sizing of Spindle Servo
Selection of Ball Screw / LM Guides
Selection of CNC & Feedback System
Panel Engineering
Ladder Logical Programming
Calibration
Documentation
Training
Tech Support

PRE-MACHINING SOLUTIONS

3Meters Bed GECO Machine Retrofit
Conventional to CNC
8 Station Pragathi Turret
Ball Screw Mount
Low Cost CNC Interface
Servo Motor / Drive
Spindle Drive / VFD

HITECH Syndicate, Coimbatore.

12 Feet Lathe
Four Station tool post
Low Cost CNC Interface
PUMP & VALVE Industries
Servo Motor / Drive
Spindle Drive / VFD

Keerthi Pumps, Coimbatore

4 Feet Lathe
Four Station tool post
Low Cost CNC Interface
Casting Couplings
Servo Motor / Drive
Spindle Drive / VFD

Swarnaraj Engineering, Coimbatore

Customized Solution

No Nuisance BD
Low ROI
Low Consumption of Power

Component Level PCB Troubleshooting
Wireless Networking System
Production Monitoring System
OEE

Value Added Services

Also serve for
Jig Grinding - Jig Boring - Spark Erosion
Wire cutting - Induction Hardening
Surface Grinding - Injection Moulding
PTO Test System
Supply of Mechanical, Electrical and Electronic Devices | VFD Panel | LVDT | System Integration | Data logging | Cimplicity SCADA System.

Parameter Observed
- Motor RPM
- Oil temperature
- Pump temperature
- Line Pressure
- Vibration
- Torque
- Displacement
- Daily
- Weekly
- Monthly wise reporting over web browser

DU Bush Endurance Test System
Mechanical 3D Model | Manufacturing mechanical fixture | Interfaced Gear motor | VFD | Micro controller | Option for 120° and 360° Rotation | Digital Display | Operator Interface

Triple Plunger Pump Test System
- PLC
- Supply of Flow meter
- Sensors
- Temperature probes
- Pressure Transducer
- Micro Filters
- Current Transformers
- Temperature Controllers
- RS485 Communication
- PC based operator panel
- Networking
- Reporting.

Parameters evaluated
- Flow
- Pressure
- Temperature
- RPM
- Power
- Vibration
- Suction pressure.

TEST SYSTEMS

WIND MILL RETROFIT 250 KW

NEPC-MICON
WIND POWER 2000 REPLACED WITH GE VERSAMAX PLC CPU
THYRISTOR FIRING CONTROL INTERFACE
WIRELESS FOR DATA LOGGING/REPORTING
CIMPPLICITY SCADA INTERFACE | PF CONTROLLER
WITH HARMONIC 32 DEVICE
ENERGY METER WITH RS485 COMMUNICATION
TOUCH SCREEN FOR EASY OPERATION

FEATURES
- HIGH RELIABILITY
- FASTEST COMPUTING
- CAPABILITIES WITHSTAND HARD ENVIRONMENTS
- EXPANDABILITY EASY FAULT ANALYSIS
- AVOIDING NUISANCE TRIPPING
- LESS MAINTENANCE
- ALARM MESSAGING

TNPL, DEVARKULAM
Embedded Control Systems

Recent Project

Satchithananda LOTUS | India

The concept is “TRUTH IS ONE PATHS ARE MANY” It is simulated by LEDs with Suitable Controller and SMPS. 50,000 LEDs are assembled in flexible PCB inserted in poly carbonate tubes and mounted vertically as well as radially. The pattern is generated as water flow with Micro Controller, the LEDs brightness varied based on atmospheric light. The concept is instructed by Thiru K. Ramasamy MD, SSF and Chairman of Roots Industries, Coimbatore, India.

Panel Engineering

Panel Design | Fabrication | Wiring | Hardware testing
Hardwired Simulator | Field Instruments Configuration

Switch Gear
ABB | SIEMENS | L&T | TELEMECANIQUE

Drives
ABB | SIEMENS | DELTA | YASKAWA

Servo Motor and Drives
BALDOR | PANASONIC | SIEMENS | FANUC

PLC
GE | ABB | SIEMENS | FUJI | DELTA | WAGO

CNC
SIEMENS | FANUC | ADTECH | HUST

Robotic
ABB

Terminal Block
WAGO

Relay and Cables
PARAMOUNT | QEN | LAPP

Software
Proficy HMI/SCADA CIMPLICITY | HMI for CNC | CoDeSys | CIMCO | DIGITECH

Embedded Control Systems

Action simplified
Performance amplified
**TURNKEY PROJECTS**


**ELECTRO PLATING PLANT**

Straight Line | Load Unload on same side | Lifting Load Upto 200 kgs SpokeBarrel | PLC | SCADA | Manual | Semi Automatic | Automatic | Monitoring | Logging | Web browser | Reporting | Conventional/Variac | Flat Cable | Festoon System Electrical heater | 8400 Spokes per hour | 3 Transporters | 26 Tanks

**SYSTEM INTEGRATION OF**

- Inlet Damper actuators
- Rapping motors
- Transformer sets
- Rotary airlock motors
- Chain conveyors
- Bucket elevators
- Id fan

**PRODUCTS**

<table>
<thead>
<tr>
<th>PANEL</th>
<th>POWER, MCC</th>
<th>350 KW VFD</th>
<th>PLC - SCADA</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNC</td>
<td>PLC</td>
<td>DNC</td>
<td>ECS</td>
</tr>
<tr>
<td>FANUC</td>
<td>GE FANUC</td>
<td>HMI FOR CNC</td>
<td>RENESAS</td>
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<tr>
<td>SIEMENS</td>
<td>DELTA</td>
<td>CIMCO</td>
<td>MICRO CHIP</td>
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<tr>
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<td>ABB</td>
<td>DIGITECH</td>
<td>SCHNEIDER</td>
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<td>OMRON</td>
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ELECTRONICS
DIAGNOSTIC LAB

Equip with in circuit functional test system for DIP and SMDs

Trouble Shooting Solutions for all automation products

Controls | Drives | Instruments

TURNKEY PROJECTS | OEM SOLUTIONS

EMBEDDED PRODUCTS | RETROITS

SOFTWARE SUPPORTS | PCB SERVICES

AUTOMATION PRODUCTS | SCADA DEVELOPMENTS

CNC | PLC SPARES | TEST JIG

MCC | VFD | PLC PANELS

ESTEEMED CUSTOMERS

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