



LAKSHMI DIGIPRO SYSTEMZ
GATE WAY TO INDUSTRY 4.0

Industry 4.0 and IES (Industry Enterprise Solutions)



Empower your shop with Smart Manufacturing

- Promax – Drive Performance optimization with real-time production visibility, OEE, downtime analysis
- EAZY OFFSET – Automatic Wear-offset corrections for CNC machines using Industry 4.0
- Contrack – Condition Monitoring System to enable maintenance managers and process engineers to keep machine running with real-time monitoring
- IES Solutions such as retrofit, reconditioning and any type of maintenance activities for all types of CNC machines

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Eazy Offset

Automated Wear -Offset Correction using Industry 4.0

Eazy Offset helps you to enhance your productivity and quality by correcting the errors at the source.



Features of Eazy Offset

- ⚙️ Capture online measurement from digital gauges for automatic wear-offset corrections.
- ⚙️ Identify component falling out of acceptable dimensional units
- ⚙️ Identifying issues on time and estimate root causes of rejections leading to increased quality and savings in time, efforts, and money
- ⚙️ Measurement data can be shared for the purpose of audit traceability
- ⚙️ Supports all major CNC controllers such as Fanuc, Mitsubishi, and Siemens

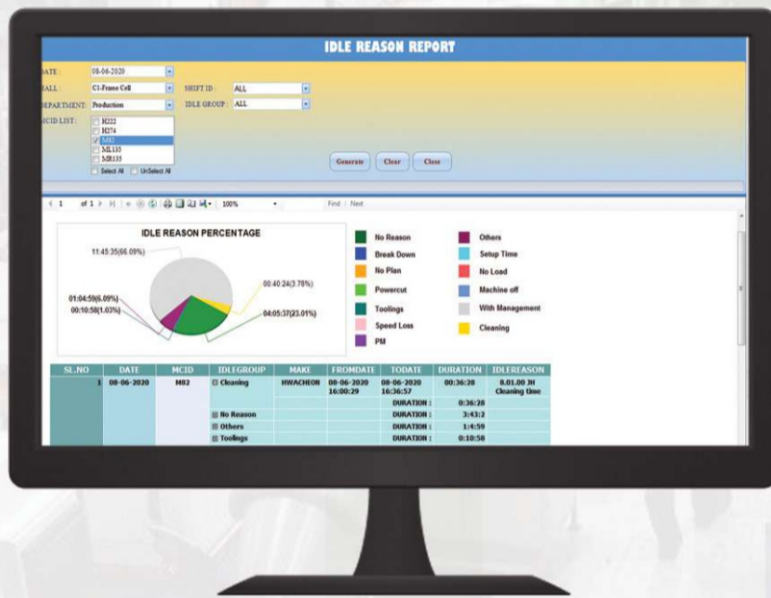
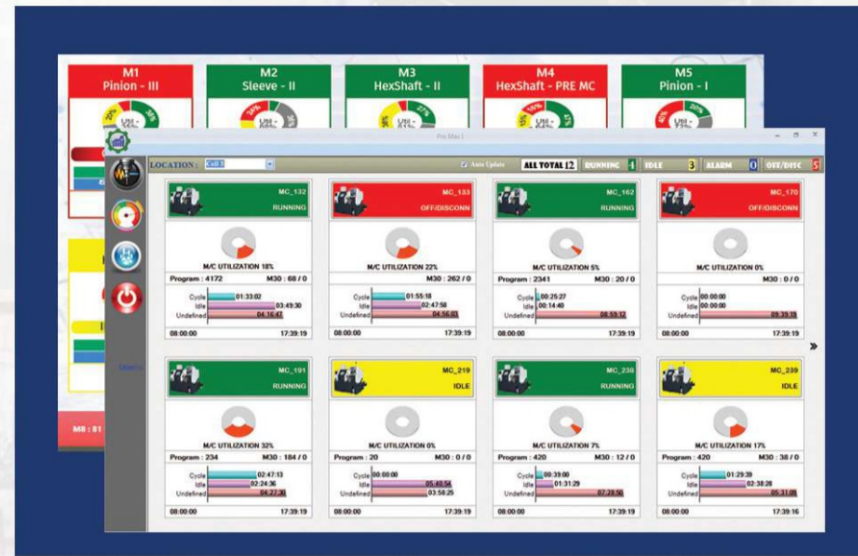
Benefits

- ⚙️ Eliminate error due to manual wear offset corrections
- ⚙️ Improved CPK value
- ⚙️ Improved quality and reduce scrap
- ⚙️ Drive better quality with automatic offset corrections.

Promax – Production Monitoring System

OEE and Production Analytics

- Measure accurate OEE in real-time for machines, line, and plants individually as well as cumulative
- Improve Production throughput
Identify Machine Efficiency, Operator efficiency in real-time
- Get all the data analytics necessary for improving production efficiency

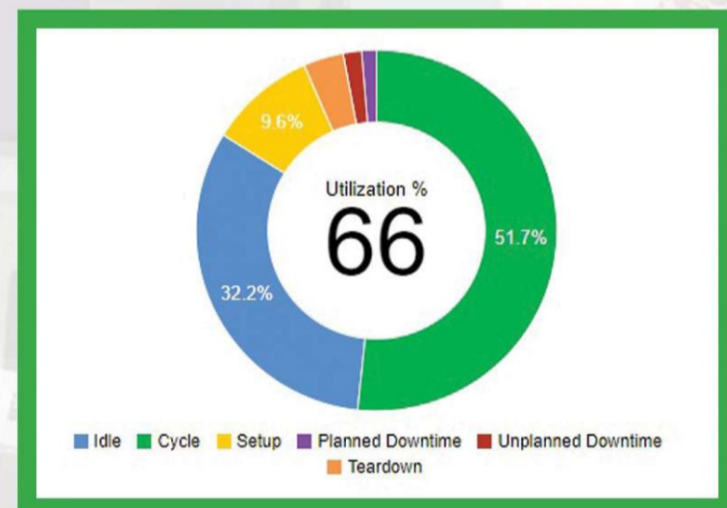


Reason-Entry as electronic Logbook

- Identify reasons for machine stoppages and other losses such as idle time.
- Take corrective actions to reduce unscheduled stoppages and cycle times

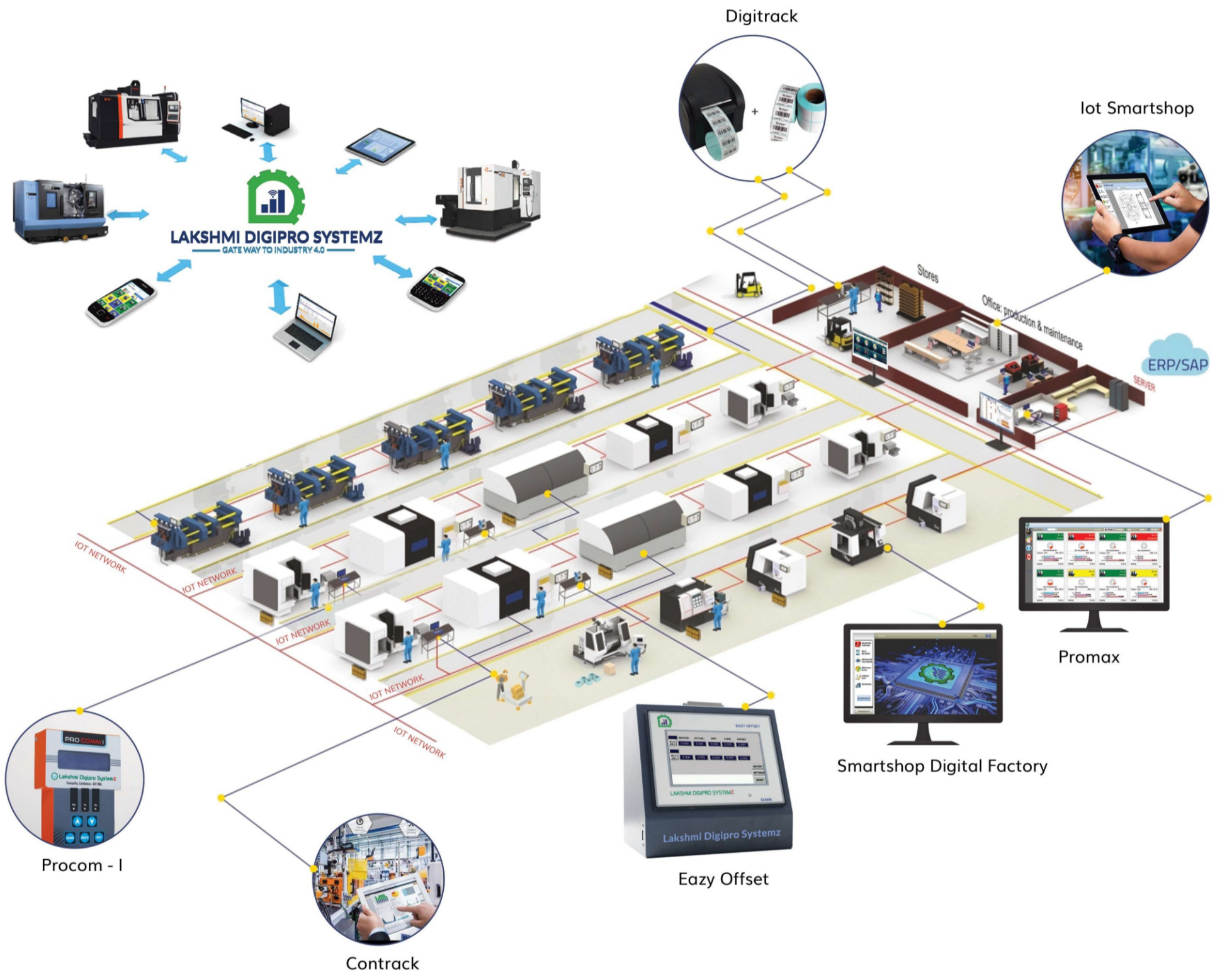
Why use Promax?

- Automatic Data Collection
- Can be used to connect any type of CNC machines including legacy and latest ones.
- Real time OEE dashboards, OEE charts and OEE dashboards.
- Supports wireless, ethernet and parallel I/O



Multiple Plant Support

- Promax supports unlimited number of machines in specific plant or multiple plant.
- You can compare the production lines in given plant to improve production.



Procom-I

- ⚙️ IoT portable Device used for program transfer using RS-232 protocol.
- ⚙️ This is plug and play which can be easily connected to the CNC machine for the program transfer



DigiTrack

- ⚙️ Track Raw Material to final product at every stage of its production using barcode/RFID/serial number.
- ⚙️ Ensure quick, error-free traceability of product/process history by each part produced.
- ⚙️ Ensure painless product recall workflows

Smart Shop -Digital Factory

- ⚙️ Using machine mounted HMI screen
- ⚙️ The operator is provided access to accurate drawings of the components, CNC programs prior to each shift
- ⚙️ Operators need to do the mandatory check lists before each shift starts
- ⚙️ Ensure Production tasks are performed in right sequence with step by step guidance and interlocks for poka-yoke



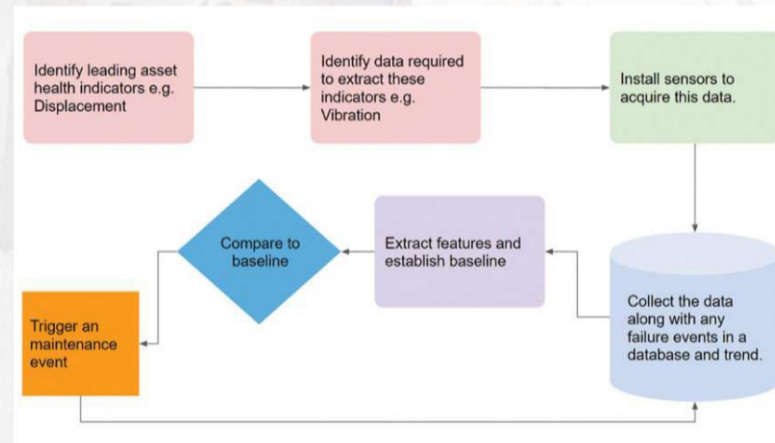
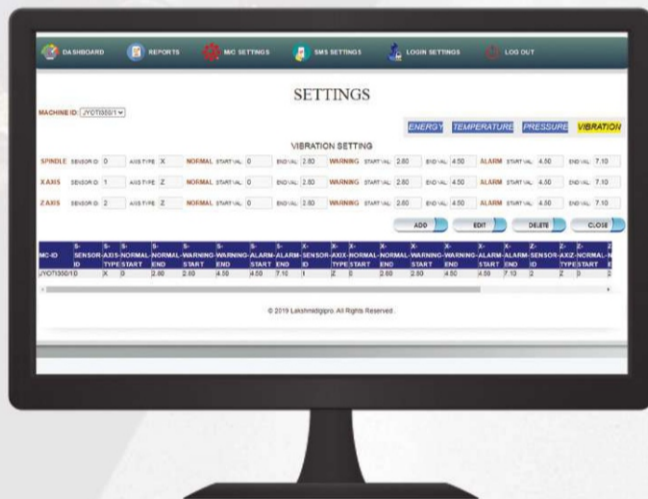
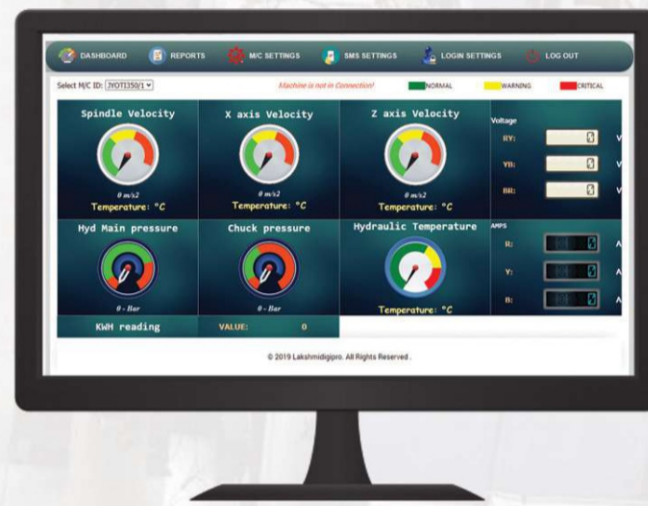
Program Transfer Management System

- ⚙️ Centralized system for Program
- ⚙️ Mapping, modification, and deletion.
- ⚙️ Program can be downloaded /uploaded including sub-programs.
- ⚙️ Prevents the program edit/correction by unauthorized personnel to eliminate component rejections and machine accident.

Contrack – Condition Monitoring System

Condition Monitoring System for CNC machines to monitor health of key parameters such as vibrations, Pressure, Temperature, and other key parameters.

IoT platform for maintenance managers to monitor health of a CNC machine in real-time.



Features

- ⚙ Diagnose problems with accurate data analytics and notifications
- ⚙ Predict equipment failures and avoid expensive down times
- ⚙ To ensure timely and accurate resolution of
- ⚙ CNC Alarms
- ⚙ Preventive Maintenance Alerts
- ⚙ Predictive Maintenance Tasks
- ⚙ Software "Black Box" for machines parameters and all types of alarms, operation history for analysing machine performance or accidents
- ⚙ Dashboard, reports for each parameter to be tracked

Industrial Enterprise Solutions (IES)

- ⚙️ Annual Maintenance Contract - (Platinum, Gold and Silver Plans)
- ⚙️ Maintenance-Preventive/Breakdown
- ⚙️ Retrofit of any type of CNC
- ⚙️ Mechanical Reconditioning cum rebuilding of machine
- ⚙️ Accessories interface
- ⚙️ Poka-Yoke and process interlocks for eliminating the errors
- ⚙️ Online machine condition monitoring and corrective action
- ⚙️ Spindle load monitoring/ Tool breakage detection.
- ⚙️ Factory Automation.
- ⚙️ SPM design and manufacturing



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For sales and demo enquiry please contact

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