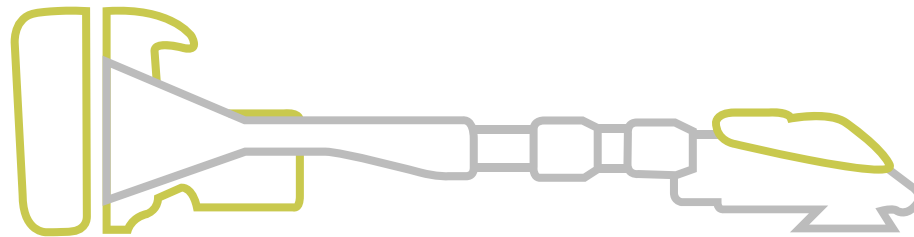




METROLOGY

Transforming the **World of Metrology**
One **Device** at a Time

EZSLAM X



Updates & Upgrades



INDEX

1. INTRODUCTION
2. HARDWARE EVOLUTION
3. SOFTWARE EVOLUTION
4. MODULAR PACKAGING
5. UPGRADE



1. INTRODUCTION

With the new updates on EZSlam platform, the development team at EZMetrology aimed to excel on **3 levels**.

1. Software

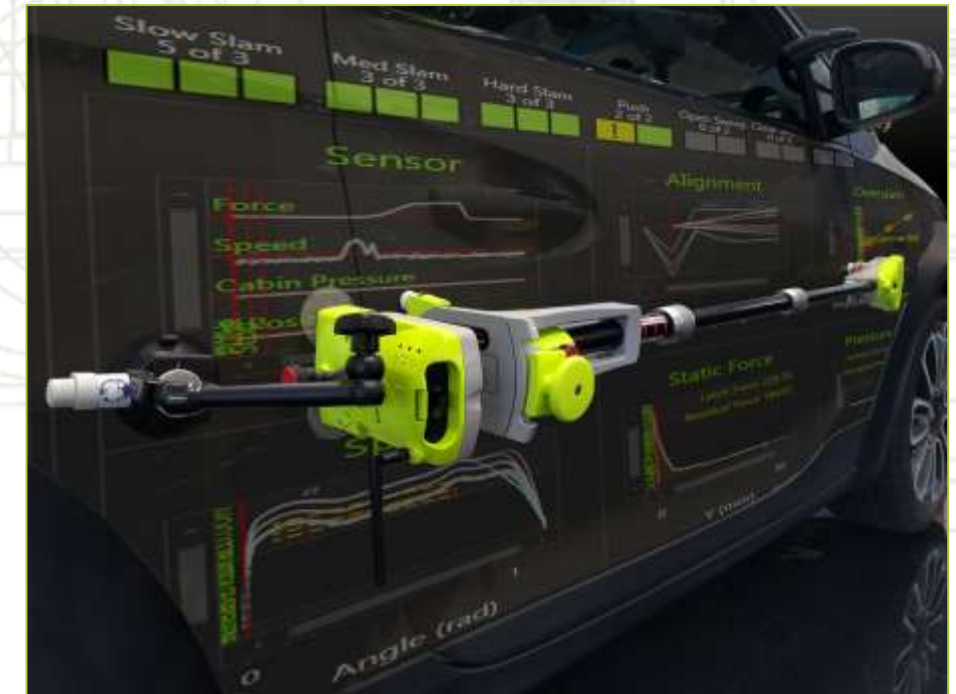
Improved user friendliness and accessibility.

2. Analysis

Optimized methods and new metrics based on the collective experience from our worldwide customer base.

3. Hardware

Enhanced materials, increased robustness and accuracy.



2. HARDWARE EVOLUTIONS

EZSLAMX

CONTINUED EVOLUTIONS TO IMPROVE QUALITY AND PERFORMANCE.

Materials Upgrade

With rapidly evolving manufacturing technologies, critical EZSlam components have been updated with new stronger, impact resistant materials.

Handle Revision

A new handle design to improve comfort and accuracy on friction measurement for hinge and check system.



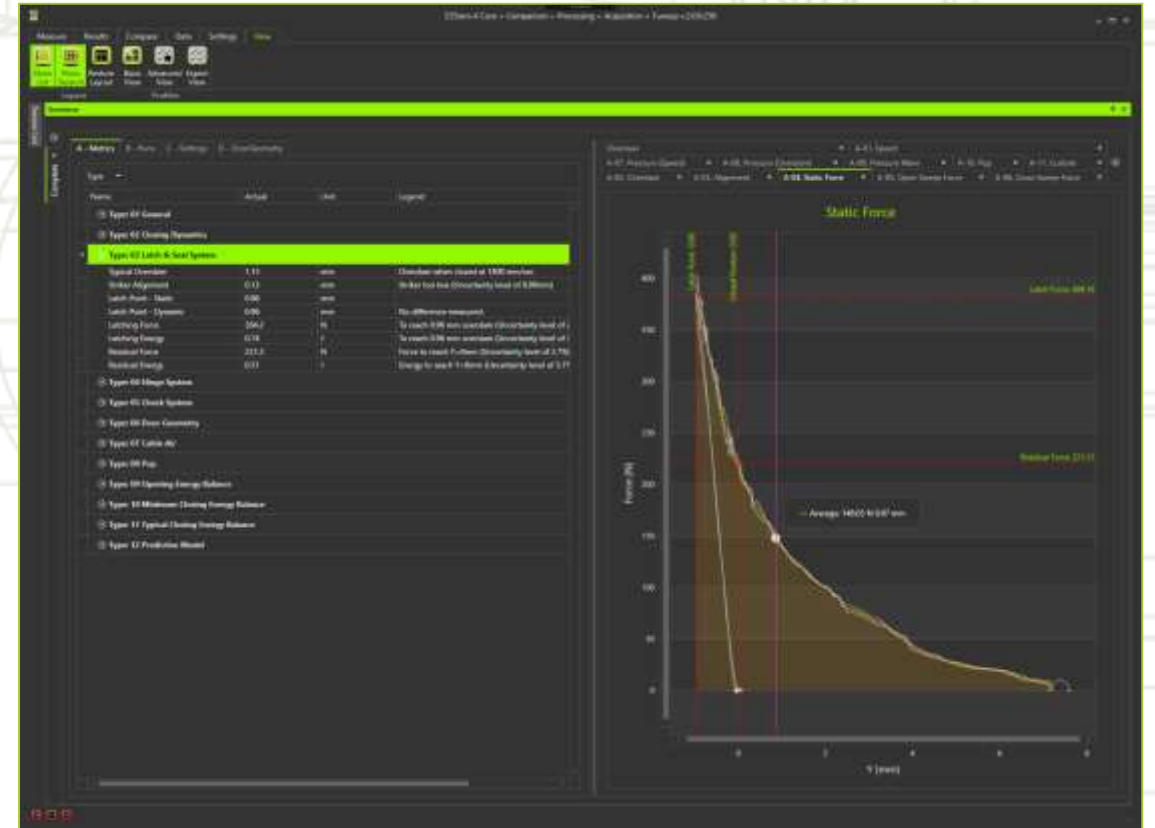
3. SOFTWARE EVOLUTION

EZSLAMX

BRINGING EZSLAM TO 2019 SOFTWARE STANDARDS.

User Experience

- ✓ High Contrast Color Scheme
- ✓ Interactive Graphs
 - Cursor Function with Readout
 - Legend
 - Expansion from Overview
 - ...
- ✓ Improved Navigation Tools
- ✓ 3 Level Views
 - Basic, Advanced and Expert View



Please ask for our technical reference document C216 for detailed descriptions.



3. SOFTWARE EVOLUTION

ENSURING RELIABLE DATA RECORDING DESIGNED IN A SMOOTH INTUITIVE OPERATION.

Acquisition Assist

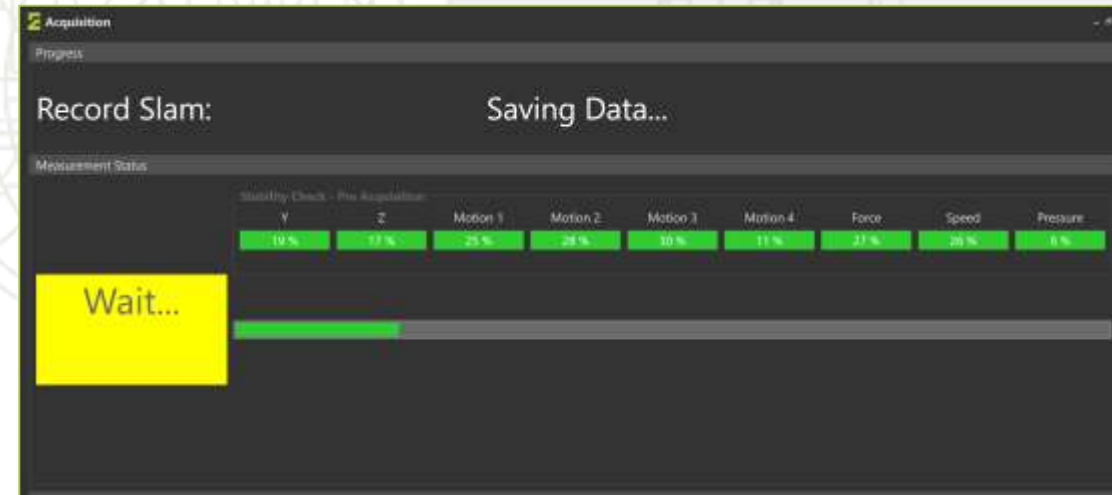
Before each Run the user has a glance at a self check of all sensor to avoid any late starts or early endings of the recording.

Repeat Mode

Speed up the acquisition by recording multiple runs in one acquisition sequence.

Instant Feedback

Upon completion a color coded progress bar provides feedback to the user and confirms the correct flow. It would, if required, flag a questionable operation

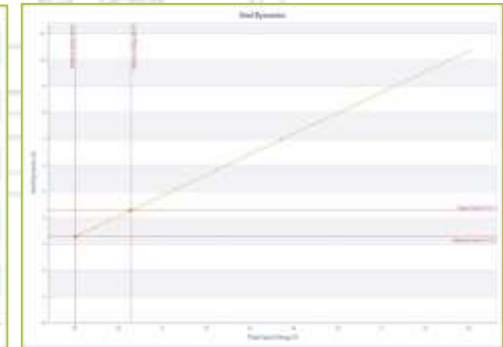
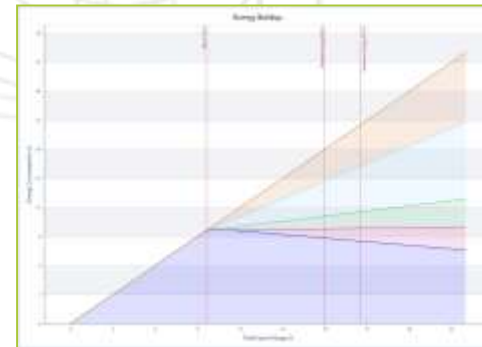
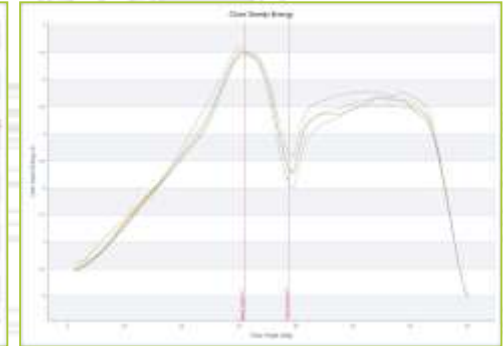
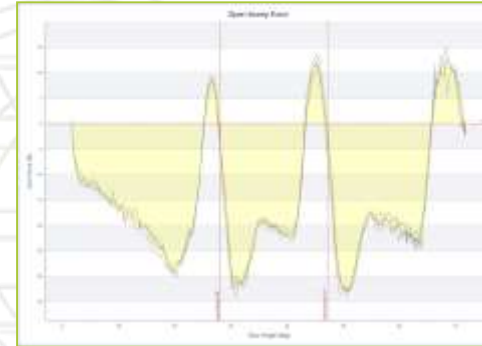


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3. SOFTWARE EVOLUTION

BASED ON FEEDBACK, REQUESTS AND NEW RESEARCH, OUR SIGNATURE DNA HAS BEEN EXPANDED.

- ✓ **Separation of Cabin and Seal Air influence**
Quantify which component of air management is most significant.
- ✓ **Check Boost Energy**
Quantify the final energy input or boost from the check to assist latching.
- ✓ **Detection Inner and Outer Detent Positions**
Angular Positions and associated closing Energy from each position
- ✓ **Predictive improvements**
Quantify potential overall gain when implementing relative improvement on a subcomponent.



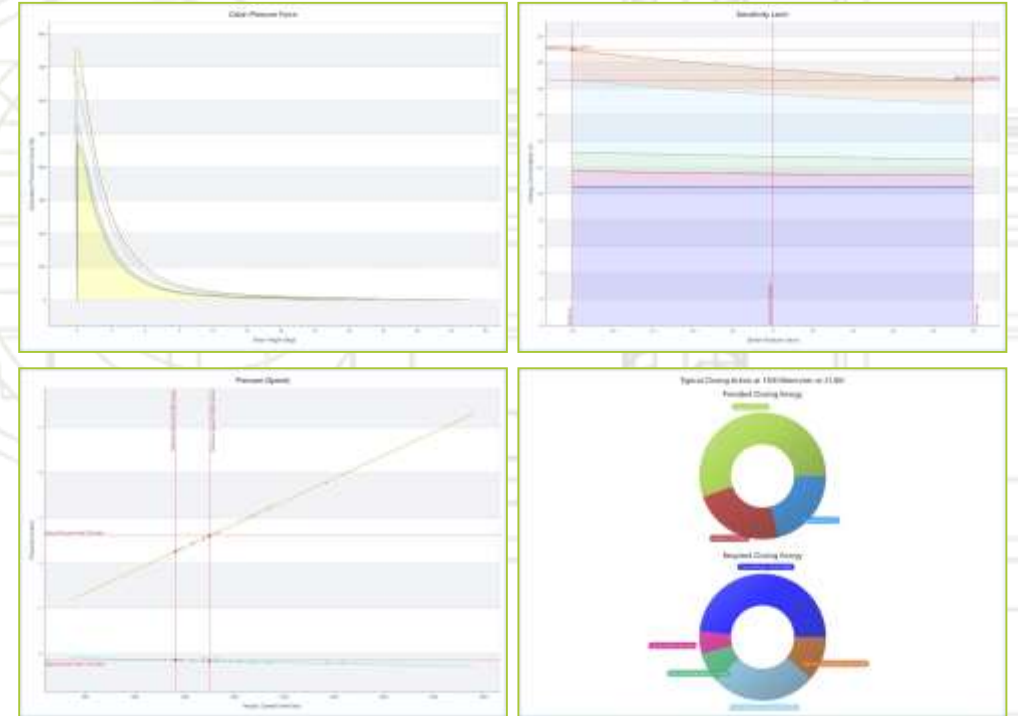
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3. SOFTWARE EVOLUTION

BASED ON FEEDBACK, REQUESTS AND NEW RESEARCH, OUR SIGNATURE DNA HAS BEEN EXPANDED.

- ✓ **Typical Energy Distribution**
Quantify the energy distribution for a given speed.
- ✓ **Striker Position Sensitivity**
Quantify how much will the closing energy changes in function of striker adjustment.
- ✓ **Pressure in function of Y**
Chart the pressure build-up as the door approaches the seals and cabin.
- ✓ **Static and Dynamic Latch Point**
Identify the change in behavior of the latch in dynamics situation.
- ✓ **Closing Energy in Watt**
A different approach to quantify closing energy.



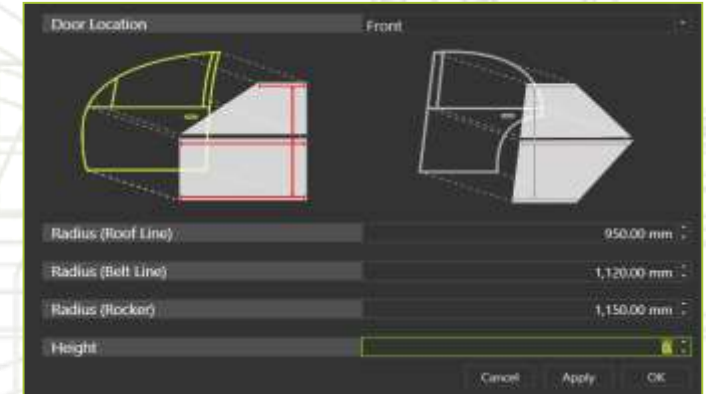
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3. SOFTWARE EVOLUTION

PROCESS CONTROL, USER FEEDBACK AND REPRESENTATION HAVE BEEN ENHANCED.

- ✓ **Wiggle Quality Feedback**
Provide visual feedback on the quality of the wiggle run.
- ✓ **Sweep Run Angular accuracy**
Improved angular offset based on actual starting point.
- ✓ **Increased level of detail in the feedback**
Visual feedback on the quality of each new run and clear clarification if required.
- ✓ **Detailed Door geometry Entry**
Provide higher level of detail on the door geometry.
- ✓ **Weight Modelling function of door dimensional geometry**
Inertia and weight modelling based on door weight distribution (front/rear door).
- ✓ **Custom Quality Index**
Customize your quality index to reflect your door signature.
- ✓ **Enhanced Comparison Report**
Revised comparison report with improved and intuitive structure.

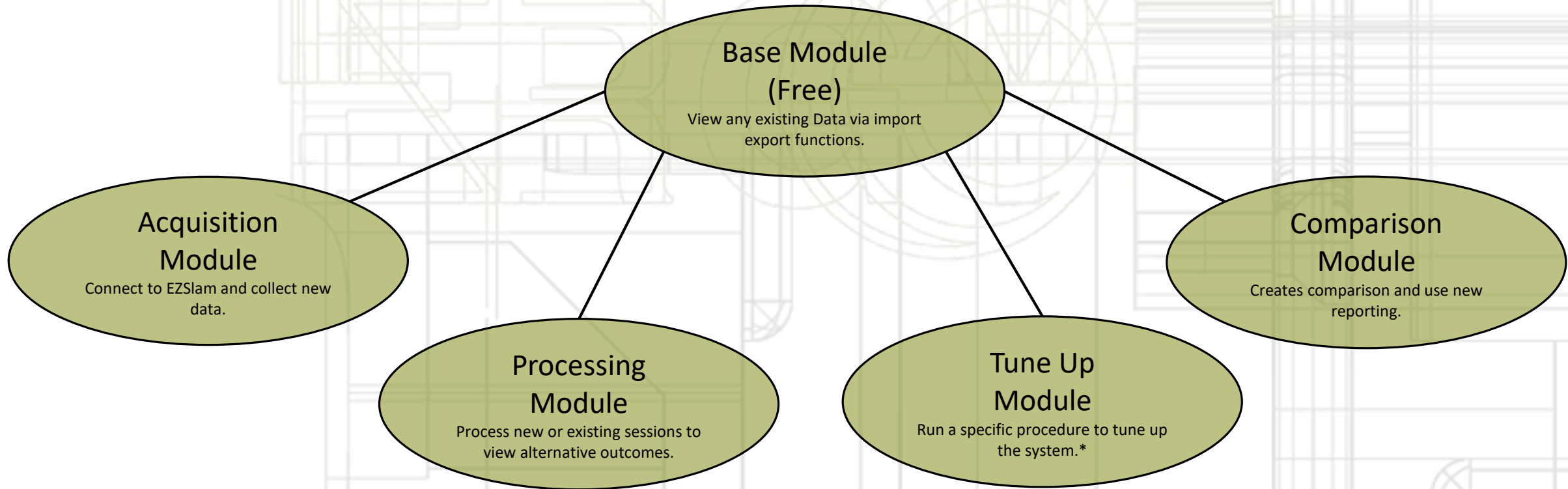


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4. MODULAR PACKAGING

ADD ADDITIONAL CAPABILITY, TAILORED TO THE NEED OF THE ENGINEERS AND ORGANIZATION.



4. MODULAR PACKAGING

EZSLAMX

Base Module

The basic module containing the functionality to import and view any existing session, generate reports, perform exports and other basic operations.

Comparison Module

Optional module as extension on EZSlamX Base Module to generate comparisons in the software environment and generate reports containing the numerical and graphical reports.

Acquisition Module

Optional module as extension on EZSlamX Base Module to enable communication with the hardware to record new sessions. This module will also require the processing module to be fully functional.

Processing Module

Optional module as extension on EZSlamX Base Module to enable reprocessing of new data or existing data for different conventions, configurations to enhance understanding of results.

Tune Up Module

The optional Tune-up module enables the user to perform a comparative measurement and tune the output of the system to match reference data.



5. SOFTWARE UPGRADE

CASE 1 : FACTORY WARRANTY

Your system was purchased in the last 12 months and is therefore still under factory warranty.

EZSlamX license

- ✓ Free upgrade
- ✓ System Verification

Required Installation and Training

- ✓ 2 days training from one of the experts.
- ✓ Travelling cost

Please note that the brand new Tune Up module is not part of the free upgrade.



5. SOFTWARE UPGRADE

CASE 2 : UNDER WARRANTY & SUBSCRIPTION

Your system was purchased over 12 months ago but it was kept under warranty and software update subscription.

EZSlamX license

- ✓ Free upgrade
- ✓ System Verification

Required Installation and Training

- ✓ 2 days training from one of the experts.
- ✓ Travelling cost

Please note that the brand new Tune Up module is not part of the free upgrade.



5. SOFTWARE UPGRADE

EZSLAMX

CASE 3 : NO WARRANTY

Your system was purchased over 12 months ago and is not covered under any plans.

EZSlamX license

Sign up for Extended Warranty and Software Subscription to be eligible for the following:

- ✓ Free Upgrade
- ✓ System Verification

Required Installation and Training

- ✓ 2 days training from one of the experts.
- ✓ Travelling cost

This is a limited Time offer during the launch of EZSlamX

Please note that the brand new Tune Up module is not part of the free upgrade.



Thank you for watching.

www.ezmetrology.com

