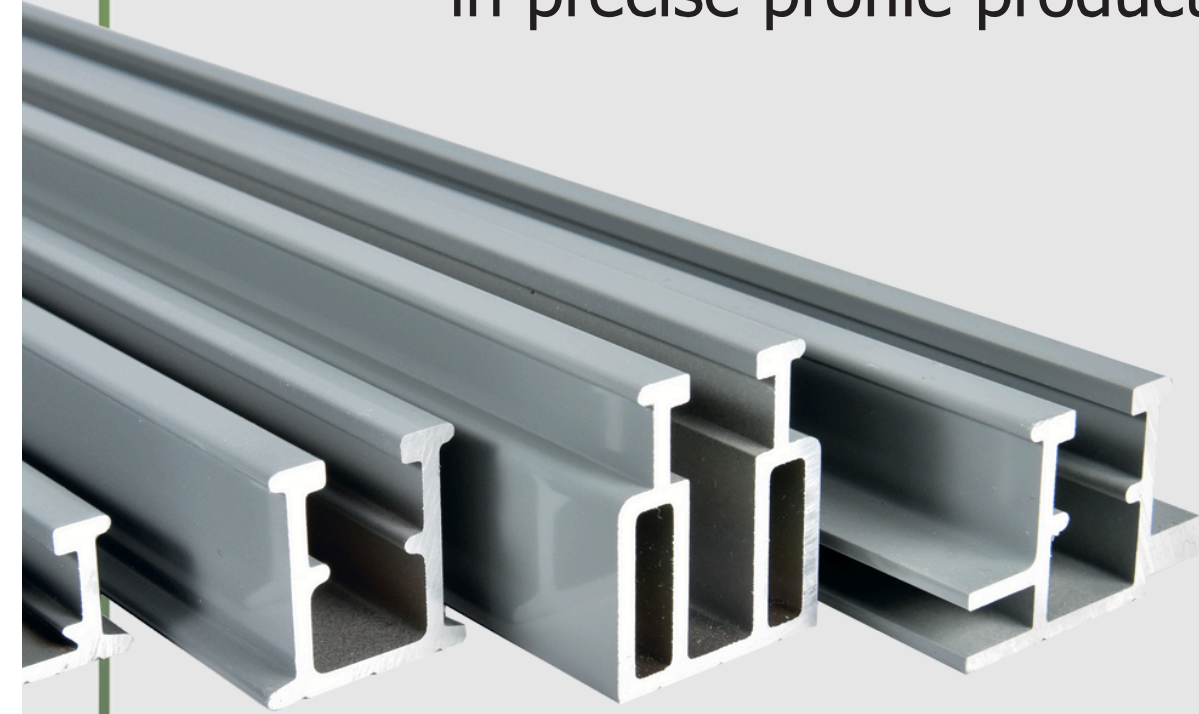


Pixera PAL series measurement devices will be your most reliable instrument and accurate assistant in precise profile production

PAL SERIES



PROFILE MEASUREMENT MACHINES



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BARIŞ MAH. KOŞU YOLU CAD. ARGE VE İNOVASYON BİNASI SİTESİ
GEBZE / KOCAELİ



WHO ARE WE?

Pixera Technology is a technology company specialized in optical measurement systems. We have a strong position both at home and abroad, especially in 2D profile measurement systems. We are moving forward with determination to further expand our market share and consolidate our leadership in the sector.

Pixera, which adopts innovation and continuous development as its mission, stands out as a company that is not satisfied with existing R&D projects and constantly renews itself. We take our expertise in 2D measurement systems to the next level with our R&D activities in 3D measurement.

Having a strong position in the aluminum and plastics sectors, Pixera aims to have a say in different sectors with its new R&D activities. We have always managed to be the pioneer of innovation by constantly improving our existing products in terms of software and hardware.

As Pixera Technology, we continue to push the boundaries of technology and offer the most advanced solutions to our customers.

Our Vision

With a vision that aims for international leadership in the field of optical measurement systems, we aim to be a pioneer in the sector and achieve a strong position in the global market by continuing to produce innovative and sustainable solutions.

Our Mission

To support our customers by providing them with the latest technological solutions to improve their business and gain a competitive advantage.



PAL SERIES OPTICAL MEASUREMENT SYSTEMS

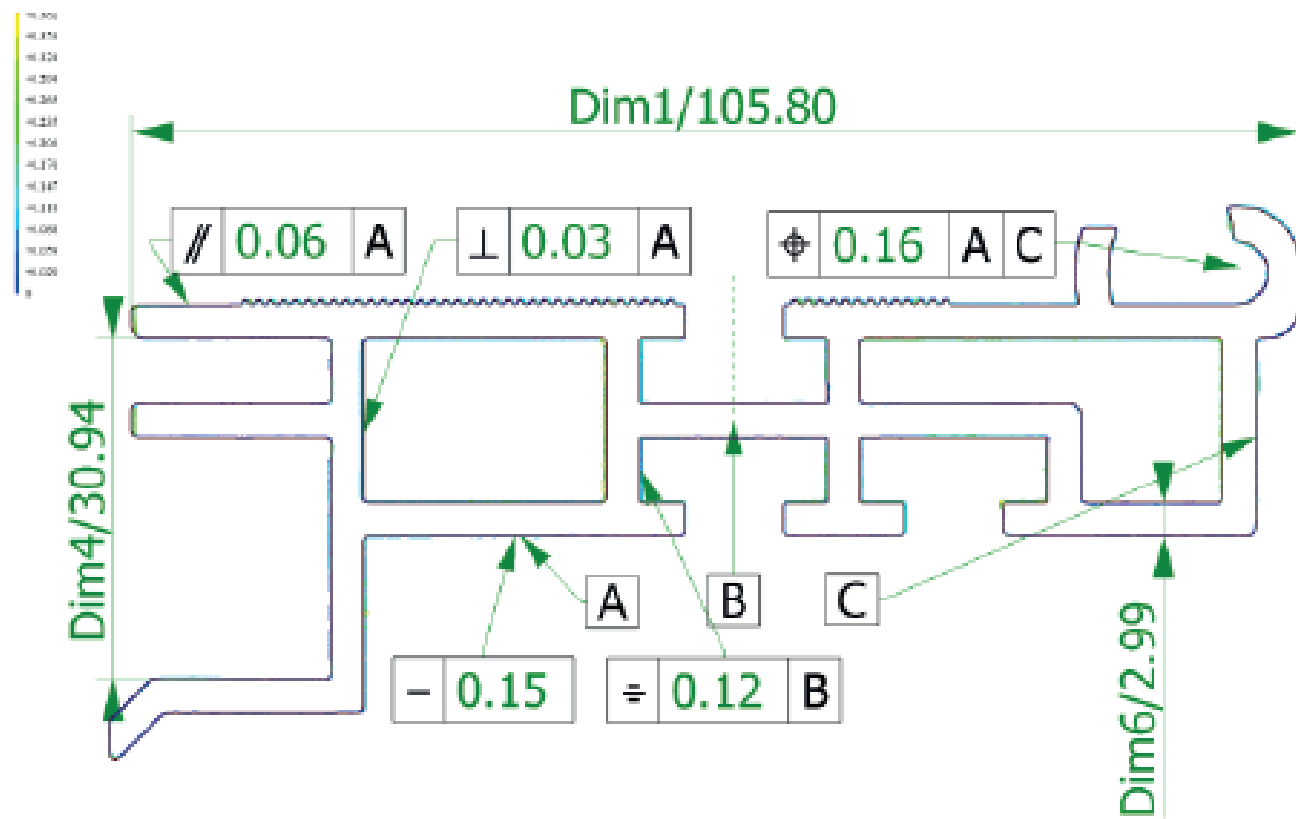


Pixera PAL series measuring devices are optical measuring devices that enable fast quality control application in aluminum and plastic extrusion lines. The instruments are able to perform precise measurements near extrusion lines without being affected by environmental conditions such as temperature, dust and vibration.

The PAL series is designed to detect defects in the production process as soon as possible by combining a high-resolution imaging system, specially designed lighting, high-performance computer technology and software applications.

PAL SERIES Measurement Area

| | |
|---------------|----------------------------|
| PAL600 | 600X400mm 24X16inch |
| PAL300 | 300X200mm 12X8inch |
| PAL200 | 200X133mm 8X5inch |



➤ WHY PAL SERIES?

- ✓ High precision measurement capability
- ✓ Ability to reverse engineer a point cloud of a part without CAD data
- ✓ Ability to work in extrusion line with its robust design
- ✓ Immediate detection of errors in production
- ✓ User-friendly and simple interface that requires no expertise
- ✓ Fast, precise and reliable measurement of parts that cannot be measured by conventional methods
- ✓ Avoid human-induced measurement errors with one-click measurement feature
- ✓ Ensuring line traceability with data logging feature

SOFTWARES

PALSW

PALViewer is a software application that displays point clouds and CAD drawings of profiles measured on PAL Series Optical Measuring Instruments in various formats.

ADDITIONAL SOFTWARES

GEOS

GEOS software enables geometric similarity analysis on CAD data, quickly and efficiently searching for profiles similar to a given profile. By directly comparing a sample against all records, this innovative software can list the most similar profiles.

SPC

The SPC module offers the possibility to measure and control quality by continuously monitoring the production process. This software keeps the production quality under control by analyzing the profile manufacturing processes and detects possible deviations in advance.

Support Management System



Pixera Support Management System is a user-friendly platform that allows you to easily track calibration, maintenance and software updates of your devices. With instant device status monitoring and quick support requests, you can communicate effectively with the Pixera Support Team.

RefDesigner

RefDesigner is a reference file preparation application where the dimensions and tolerances of the profile to be measured are entered.

Comparison Software

The comparison software compares profile measurements taken at different times and analyzes the changes in the measurements in detail. In this way, changes in the molds can be easily observed.

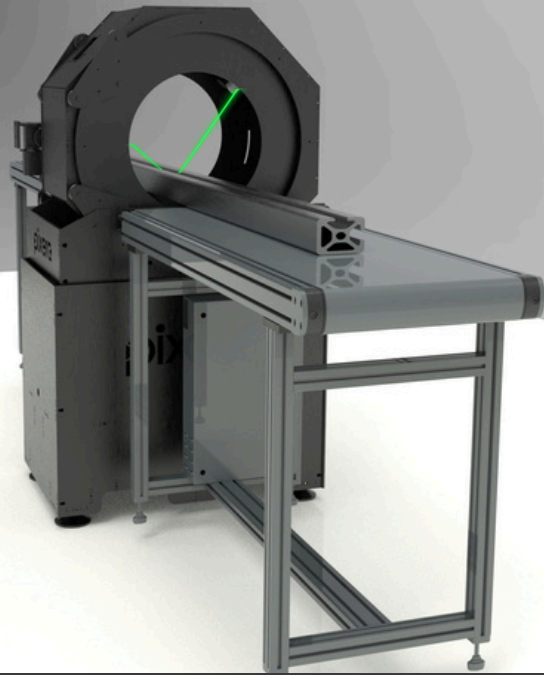
Reverse Engineering

Reverse engineering capability offers the possibility to create a detailed drawing of a part without CAD data. With this technology, you can digitally recreate the geometry and structure of an existing part and reuse it in production processes.

Database Module



The Pixera Database Module is an innovative solution that offers unique advantages to users of PAL series optical measurement instruments. It secures your scans, safeguards your data and speeds up your measurement processes, maximizing productivity.



ANOTHER INNOVATIVE STEP FROM PIXERA TECHNOLOGY

COMING SOON

The R&D process for our domestic image processing system, capable of real-time measurement and predictive fault detection for aluminum, metal, and plastic extrusion lines, is continuing at full speed! This project, approved by TÜBİTAK, incorporates advanced technology that can perform measurements even at high speeds, detect surface defects, and aims to improve production quality through 3D analysis.



★ CONNECTIVITY

Pixera PAL Series measurement system software can provide fast and secure data exchange with ERP systems by connecting to the customer database. All parameters such as active work orders, references, measurement reports, revisions are automatically saved in the Pixera database. An interface is designed in the software where the user can send database commands at certain stages. Data can be retrieved from the following databases and you can contact us for a system other than these databases.

- MSSQL -MySQL -OLEDB -Postgre -ODBC



★ IMPROVEMENTS

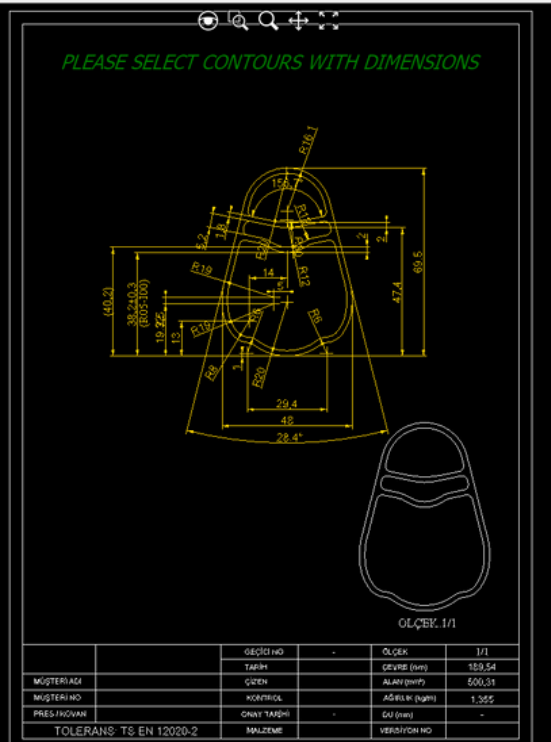
Pixera maximizes customer satisfaction by offering flexible solutions for specific needs. It optimizes quality control processes by offering customized reports with different language options and solutions tailored to the specific tolerances of businesses. It also responds quickly to customer feedback thanks to its rapid update and development policy and continuously improves its software by taking into account suggestions that will work for everyone. Pixera offers fast, flexible and effective solutions to the specific needs of businesses, providing a seamless experience to its customers.

RefDesigner AutoDim

NEW MODULE

Automatic Transition from Technical Drawing to Measurement

AutoDim directly opens profile technical drawings created in CAD-based drawing programs (such as AutoCAD) in DWG or DXF format, automatically detects all dimensions and tolerances in the drawing, and automatically transfers them to the RefDesigner environment. This allows you to convert your technical drawings into reference files ready for the measurement and quality control process without manual dimensioning.



OUR SERVICES

Software Updates:

We regularly provide software updates to continuously improve the performance and user experience of our PIXERA PAL series optical measurement systems. By updating our products annually, we offer our customers the latest features and improvements.

Software Support:

If you encounter any issues with the software of our PAL series devices, our support team of expert software engineers is here to assist you. With extensive knowledge and experience in resolving all types of software issues, our team is ready to provide you with the best technical support services.

Maintenance and Breakdown Support:

As PIXERA Technology, we provide regular maintenance services to ensure our products operate smoothly. We also provide fast and effective technical support in the event of any breakdowns that may occur with our products.

Calibration:

We periodically perform calibration procedures to ensure the measurement accuracy of PIXERA PAL series devices. The calibration process is important for maintaining the device's sensitivity and obtaining accurate measurements.

REFERENCES

