



Planar

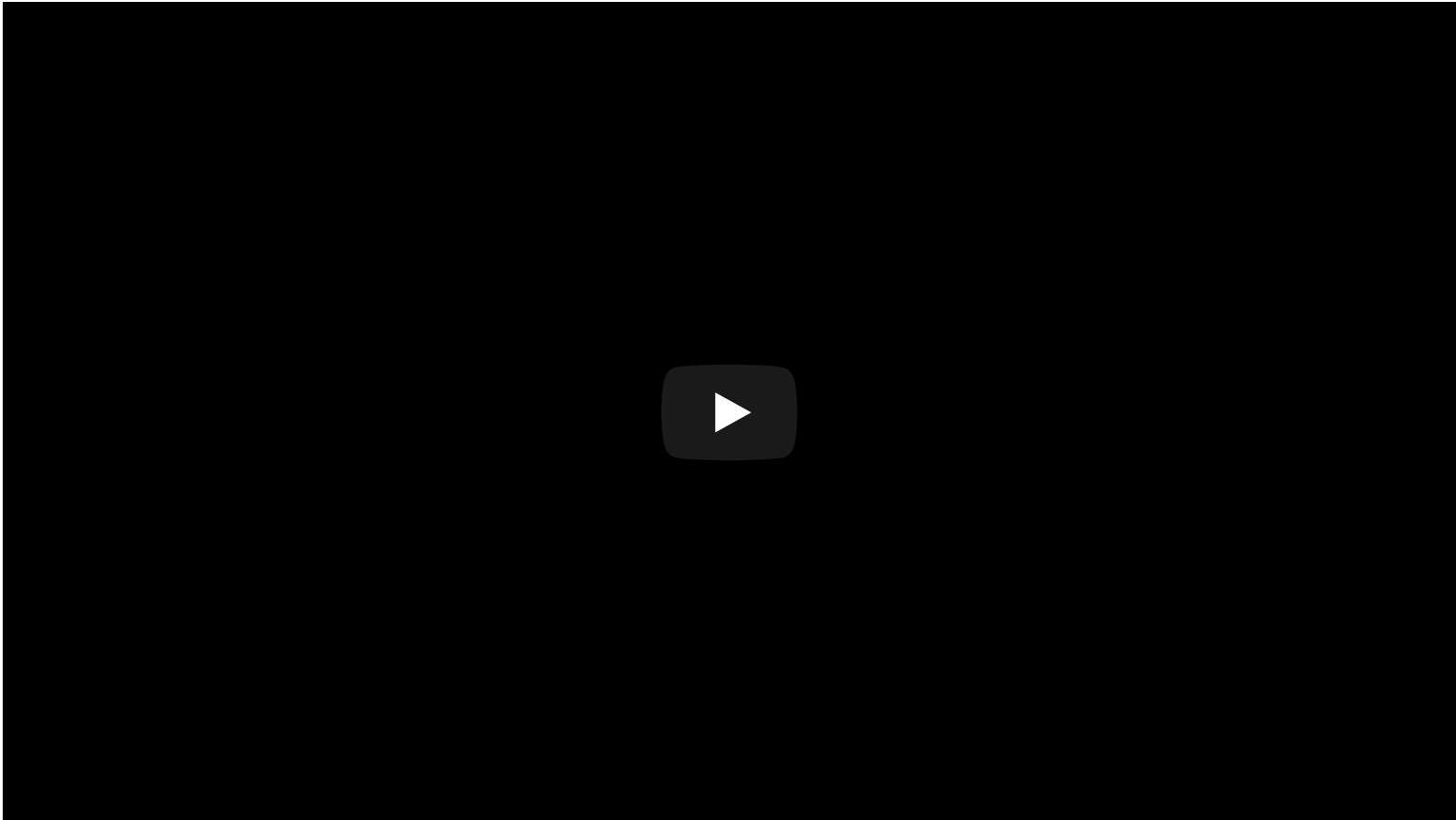
2D Inspection System

Quick measurement of 2D parts

The Planar system has been specially designed for use in the sheet metal industry for quality control and reverse engineering applications. They can be used for very quickly measuring or reverse engineering flat parts which have been manufactured on laser, plasma and water jet cutting systems as well as punched and some stamped parts. We have been supplying the Planar system to the sheet metal industry for over five years during which time we have consulted with many major manufacturers to fully understand the requirements expected from our measuring system and integrating these into the Planar.

Download the brochure:

InspecVision - Planar Brochure



multi billion dollar turnover companies covering almost every industry that uses sheet metal such as electronics & communication industries, automotive and aerospace.

The applications for the Planar system however are not only limited to just the sheet metal industry. Any material that is flat and opaque such as paper, wood, polymers, cloth, cork and even fabrics can be measured on Planar. There are specialised modules within our award winning software to allow the user to measure things like gaskets, tubes and O-Rings. You can even measure multiple parts simultaneously and reverse engineer paper drawings and image files to dxf's! We have many customers who have purchased Planar for these features alone. With the Opti-Scan3D and Opti-Probe add ons you can convert the Planar into the most complete 2D and 3D measuring system available.

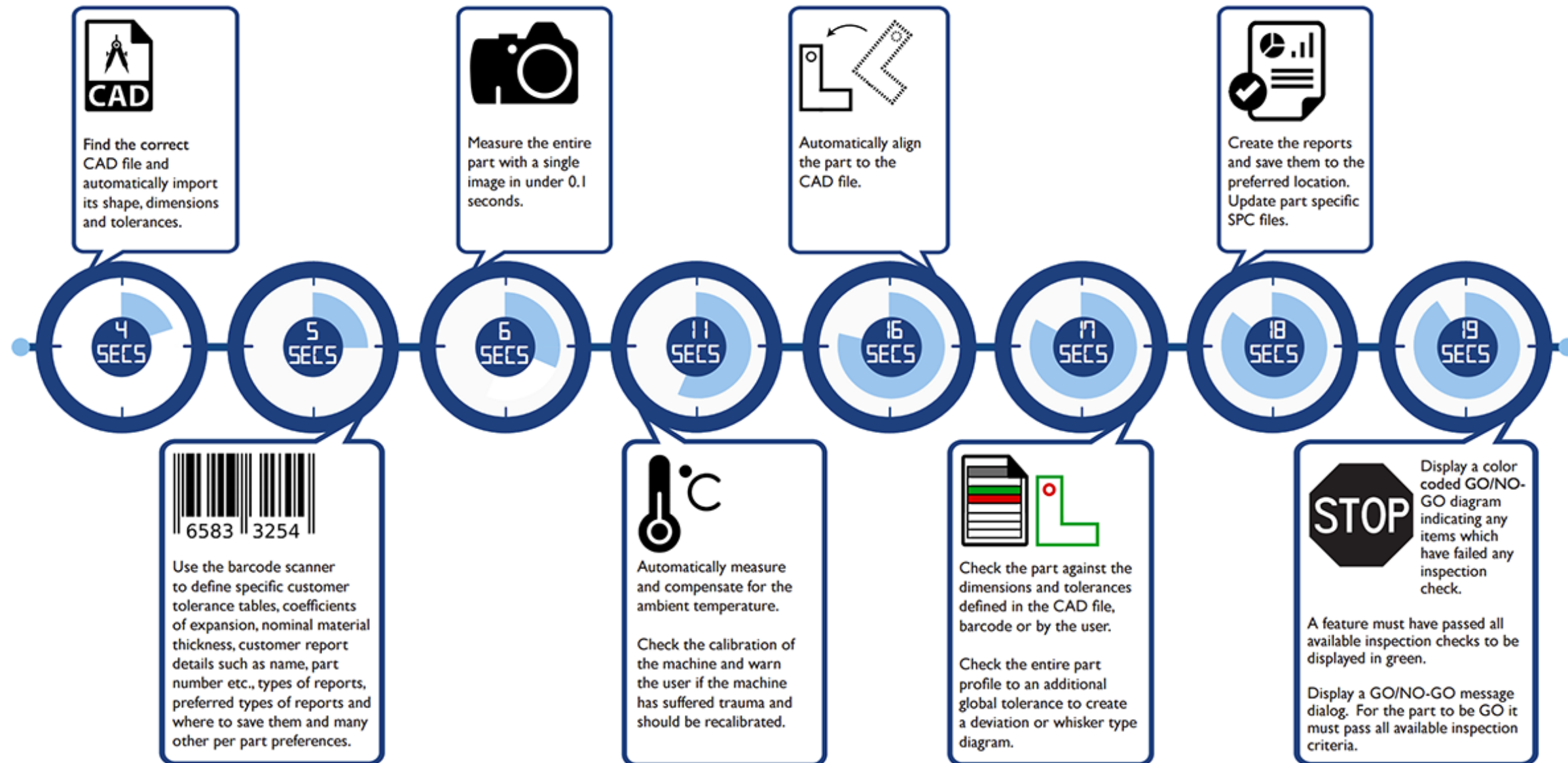
For speed we cannot be beaten by any other competing system - Planar can take up to 40 million measurements in 0.1 seconds! This makes our system the fastest in the world for both inspection and reverse engineering of flat parts. We also have the largest range of available models and accuracies available.

Planar 2D - Typical Inspection Timeline



The Planar inspection system is the worlds fastest and most automated 2D inspection system.

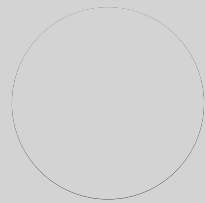
Zero setup, single click inspection, up to 40 million points in under 20 seconds!



Unlike competing systems the Planar machine does not require...

- Does not require any special jigs or fixtures to hold the part.
- Does not require any pre-programming to create an inspection program.
- Does not require DXF flat patterns of the parts. Our software can load in the 3D solid model directly and flatten it in memory to create the nominal 2D shape of the blank. Your preferred bend allowances and tooling can be defined.

- Does not require a specialised metrology room. The machine is resistant to changes in temperature and can be retrimmed in seconds.
- Does not require care to be taken when handling the glass surface. Scratches on the glass measuring surface do not affect the accuracy of the machine. Furthermore the glass is readily available from most glass suppliers.
- Does not require constant recalibration. The Planar machine does not have any precision moving parts to wear so there is nothing to recalibrate.



"The Planar machine has reduced our inspection time by 80%. We inspect about 90% more parts than before and the payback was around 2 years. The support has been immediate and perfect. We have recommended the Planar machine to other sheet metal manufacturers in our area. It is very easy to maintain, has a very low fault rate and works well in factory floor conditions."



InspecVision Planar Sheet Metal Inspection and Reverse Engineering Application Example



InspecVision Planar Gasket and Seal Inspection Application Example



**InspecVision Planar O-Ring Inspection -
Application Example**



**InspecVision Planar Electrical Laminations
Inspection - Application Example**

Planar - Key Features

Inspect Parts Quickly and Automatically

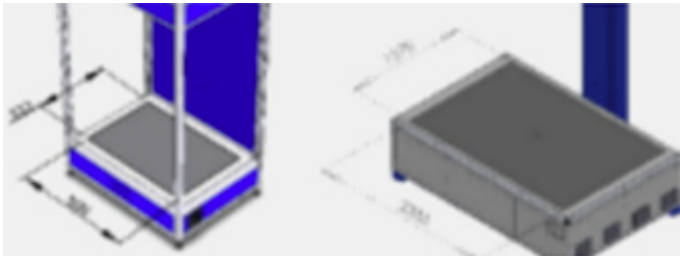
Within 15 seconds of the user placing the part on the table and double clicking the CAD file or scanning a bar code, the Planar can produce a full inspection report.

Ultra Fast Reverse Engineering

The world's fastest system for reverse engineering flat parts

SPC Integration

Inspecvision Planar systems are now fully integrated with QC Calc SPC software.

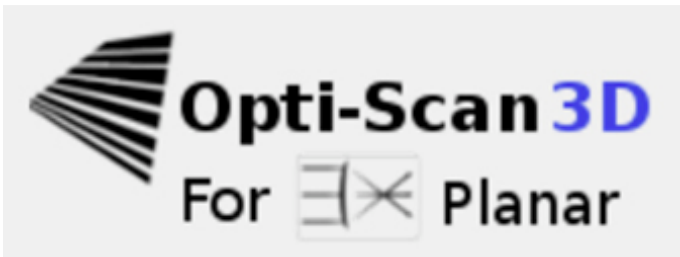


Largest Range of Models Available

Choose the most suitable model for your application from the largest selection of optical 2D measurement systems available

3D Scanning Add On

Add 3D scanning capability to Planar with the retro-fittable Opti-Scan3D module.



Planar - Applications

First Article Inspection

Planar systems are used for first article inspection during busy production runs without slowing down production schedules.

Quality Control Certification

Planar can be used to check and verify the quality of your parts to give you and your customers confidence and peace of mind

Ultra Fast Reverse Engineering

The world’s fastest system for reverse engineering flat parts.

O-Ring Inspection

In Line Inspection

Measure your parts in-line with Planar. Using

Convert Paper Drawings to CAD

Convert paper drawings into CAD files using

CNC robotic arms and specially designed software you can completely automate the inspection process. Please contact us for more information.

Planar and optional third party software.

Who’s Using Planar?



Aerospace

We have many customers in the aerospace industry who use inspecvision technology for their quality control needs.

Automotive

Many in the automotive industry are turning to Inspecvision products to inspect and reverse engineer parts.

Cabinets and Enclosures

Inspecvision products are used globally for measuring all kinds of cabinets and enclosures.

Plastics

Measure plastics with InspecVision products.

Job Shops

Many small job shops use InspecVision products to enable them to take specialised reverse engineering and inspection jobs that their competitors cannot.

Others

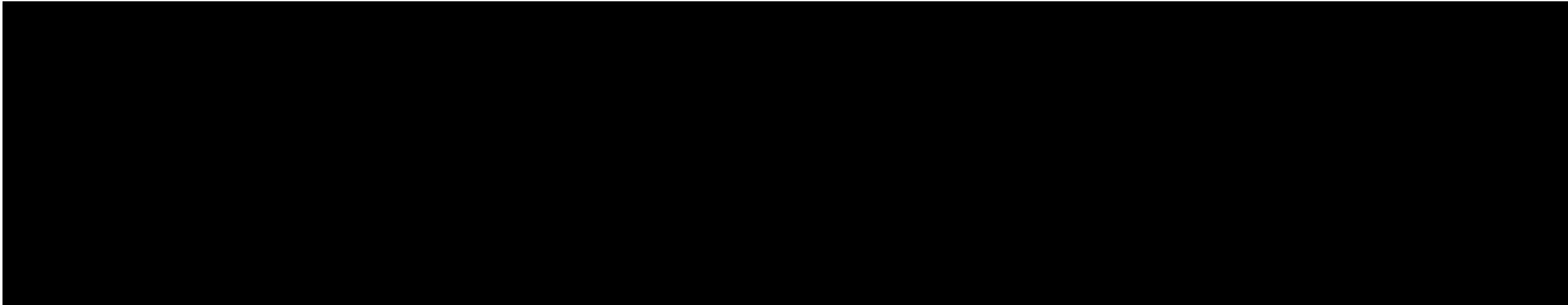
Energy, marine engineering, woodworking, plastics...

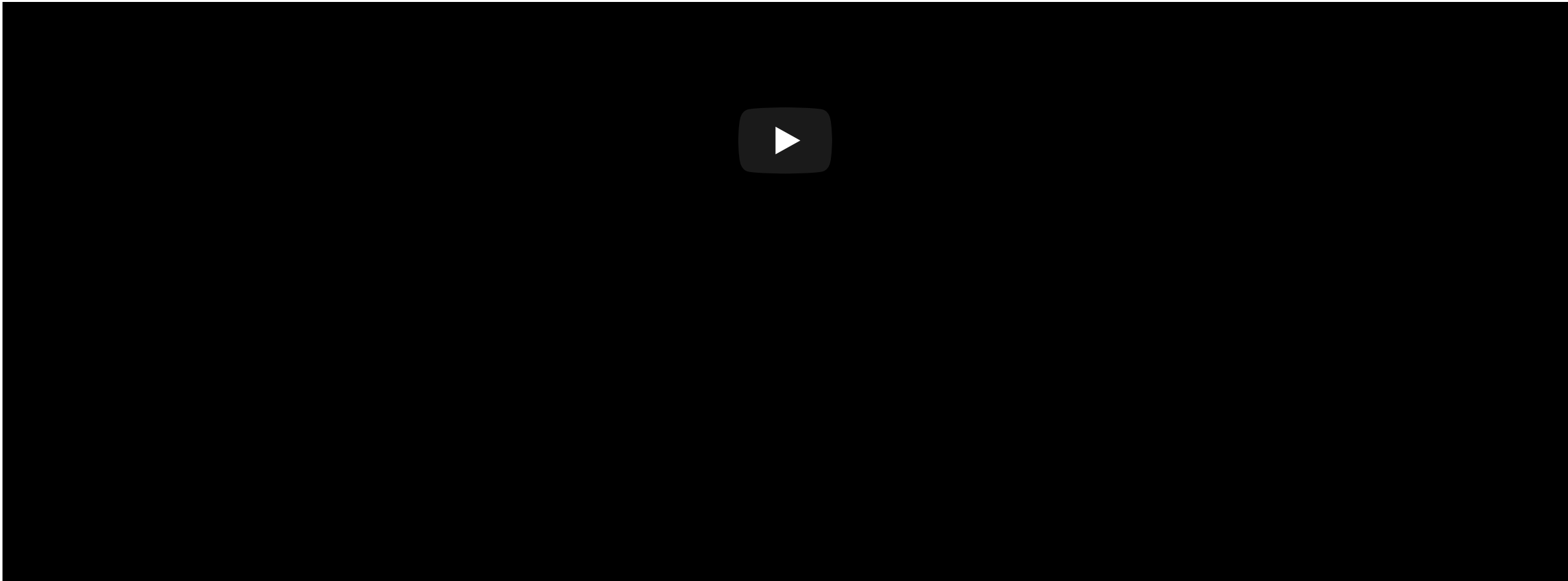


Surfscan - 2½D Attachment

2½D Sheet Metal Scanning

InspeCVision - Company Profile





Want To Discuss Your Requirements?

Request A Visit From Our Team

Looking For Technical Support

Contact Our Service & Engineering Team

Think This Is The Right Solution

Let Us Give You A Demo

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