

WE ARE ▶ **TEXAS METROLOGY SOLUTIONS**

HIGH-QUALITY INDUSTRIAL SERVICES

FOR MORE EFFICIENT,
PRECISE, AND
RELIABLE MANUFACTURING



**TEXAS
METROLOGY**
SOLUTIONS

 ▶ [METROLOGYTX.COM](https://metrologytx.com)

WE ARE ▶ **TEXAS METROLOGY SOLUTIONS**

OUR MISSION

To make the best Turnkey projects and give the best **INDUSTRIAL SOLUTIONS** so our customers can produce with quality and consistency, saving time, money and giving more value in the process.

Be the leader company in our fields of Workholding, Vision, Inspection, Fixtures, Gage In Line and Automation Systems with an experienced multidisciplinary team. Creativity and Innovation defines us.

**TO BE THE LEADING COMPANY IN AMERICA
IN INDUSTRIAL SOLUTIONS
ADAPTING AND INNOVATING TO THE
TECHNOLOGICAL CHANGES IN THE INDUSTRY.**

Relentless Innovation is our main goal to keep up with the Industry requirements. R&D, AI and constant training for our people are our main investments.



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CAPABILITIES

- ▶ **CNC WORKHOLDING**
- ▶ **CMM & CNC RETROFIT**
- ▶ **REVERSE ENGINEERING**
- ▶ **FIXTURES, LVDT GAGE, LASER GAGE**
- ▶ **DESIGN & AUTOMATION**
- ▶ **CUSTOM PRESSING SYSTEMS**
- ▶ **3D SCANNING SERVICE**
- ▶ **CUSTOM TURN KEY PROJECTS**
- ▶ **SALES AND RENTAL EQUIPMENT**
- ▶ **MEASUREMENT SERVICE ON SITE**



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BRANDS

ABB



SCANTECH
Authorized Distributor



Solartron
Metrology / **AMETEK**

FARO

Leica

Geomagic

Dx W Gs Ff Cx

CREAFORM / **AMETEK**



HEXAGON

LK
metrology

ZEISS

Nikon



PolyWorks
The Smart 3D Metrology
Digital Ecosystem™



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RENTAL AND SERVICE ON SITE



▶ LASER TRACKER

The device has a radial measurement range of 30 meters, making it ideal for long-range measurements.



▶ TRACK ARM MEASURING

This measurement system allows the long range of the FARO Laser Tracker to be combined with the portability of the FARO Arm, allowing the integration of more than two portable CMM used for large scale solutions.



▶ SCAN ARM

The device has a radial measurement range of 30 meters, making it ideal for long-range measurements.

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RENTAL AND SERVICE ON SITE



▶ LASER SCANNER

High-performance 3D laser scanner specifically designed for reality capture in sectors such as construction, BIM (Building Information Modeling), and CIM (Civil Information Modeling).



▶ SCANN

El HandySCAN 3D de Creaform is a metrology-grade portable 3D laser scanner, designed to capture precise 3D measurements (up to 0.025 mm) of complex parts in real-time



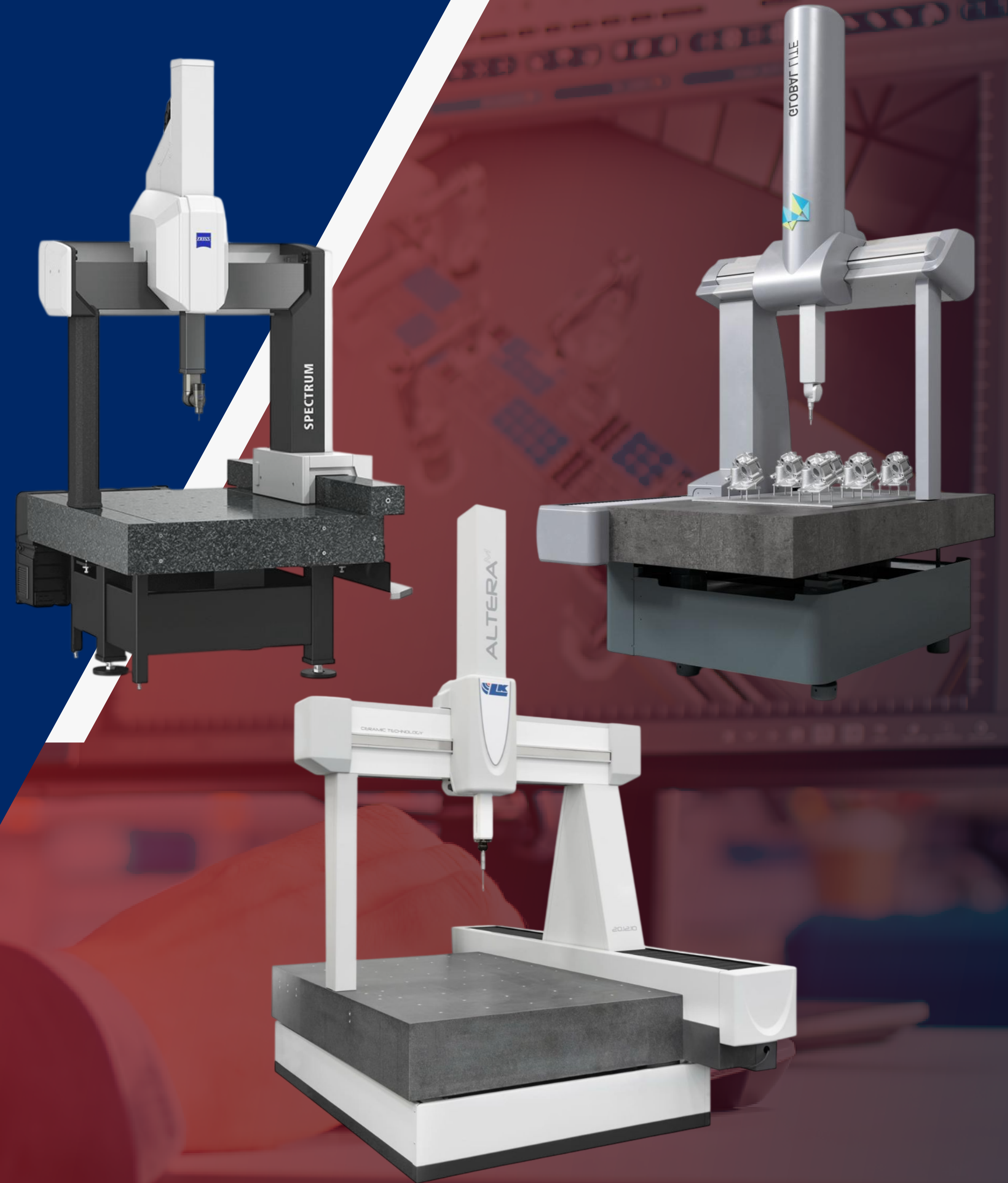
▶ LASER TRACKER

Leica Laser Tracker is a high-precision, portable 3D metrology system that measures large objects by reflecting a laser beam off a prism positioned by an operator

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CMM & CNC RETROFIT

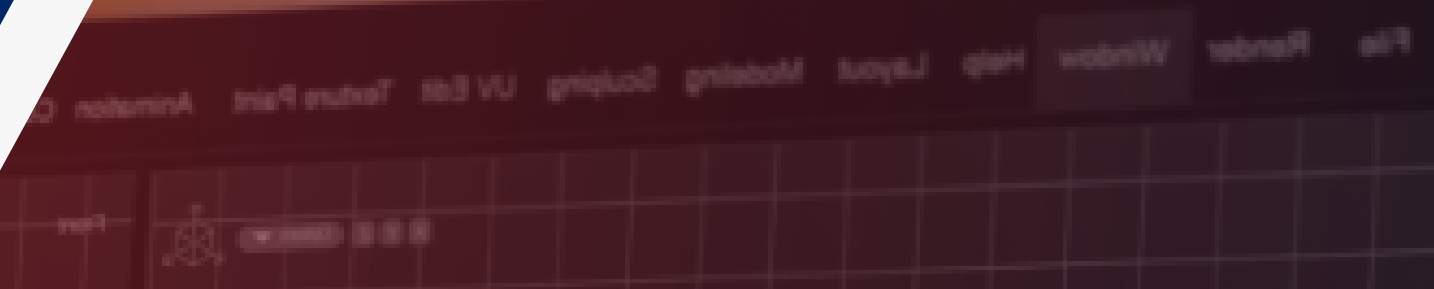
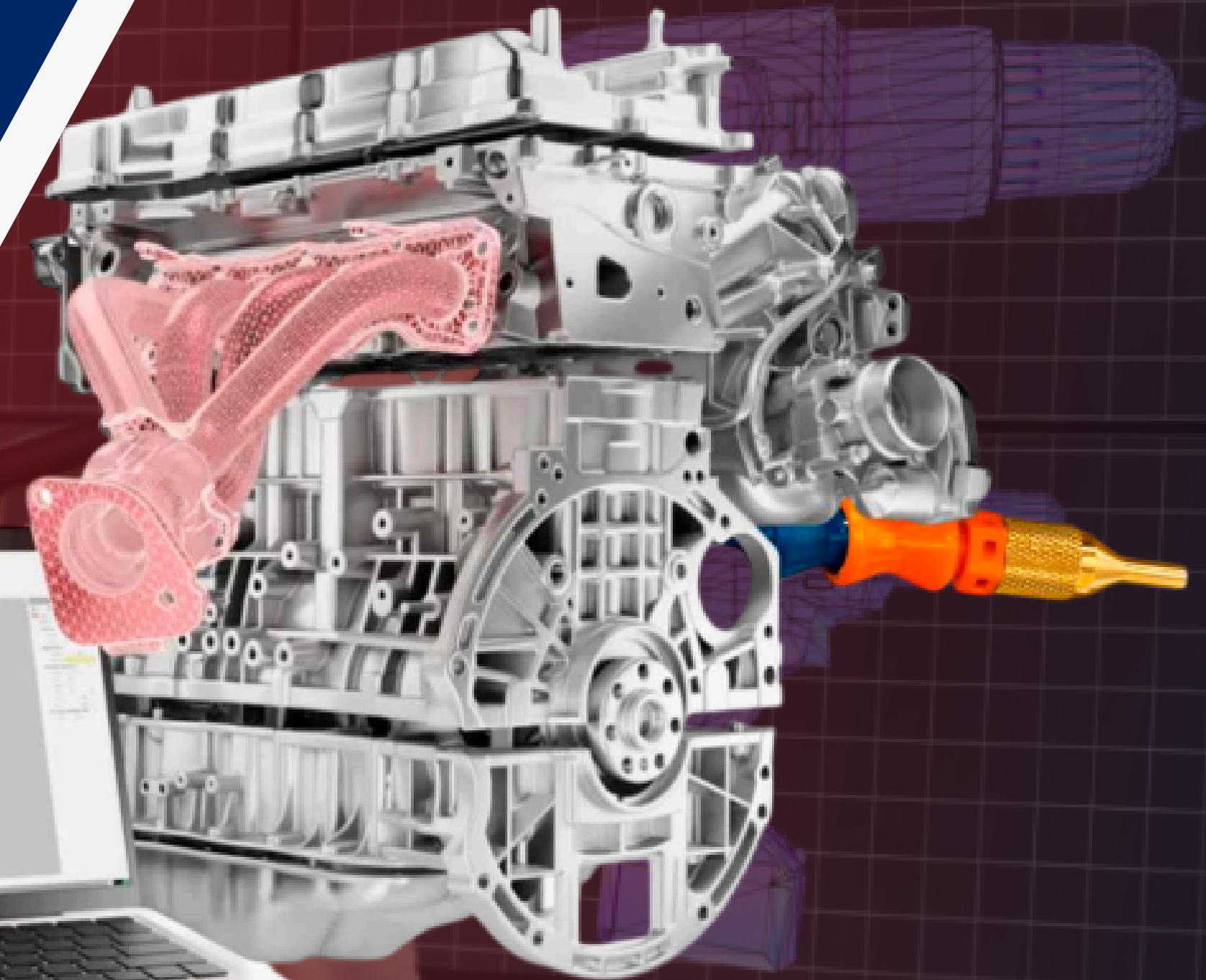
We offer the opportunity to transform existing CMMs/CNCs, providing greater accuracy, faster measurements, increased automation, and new features, while also leveraging all the advantages of CAD programming.



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REVERSE ENGINEERING AND METROLOGY

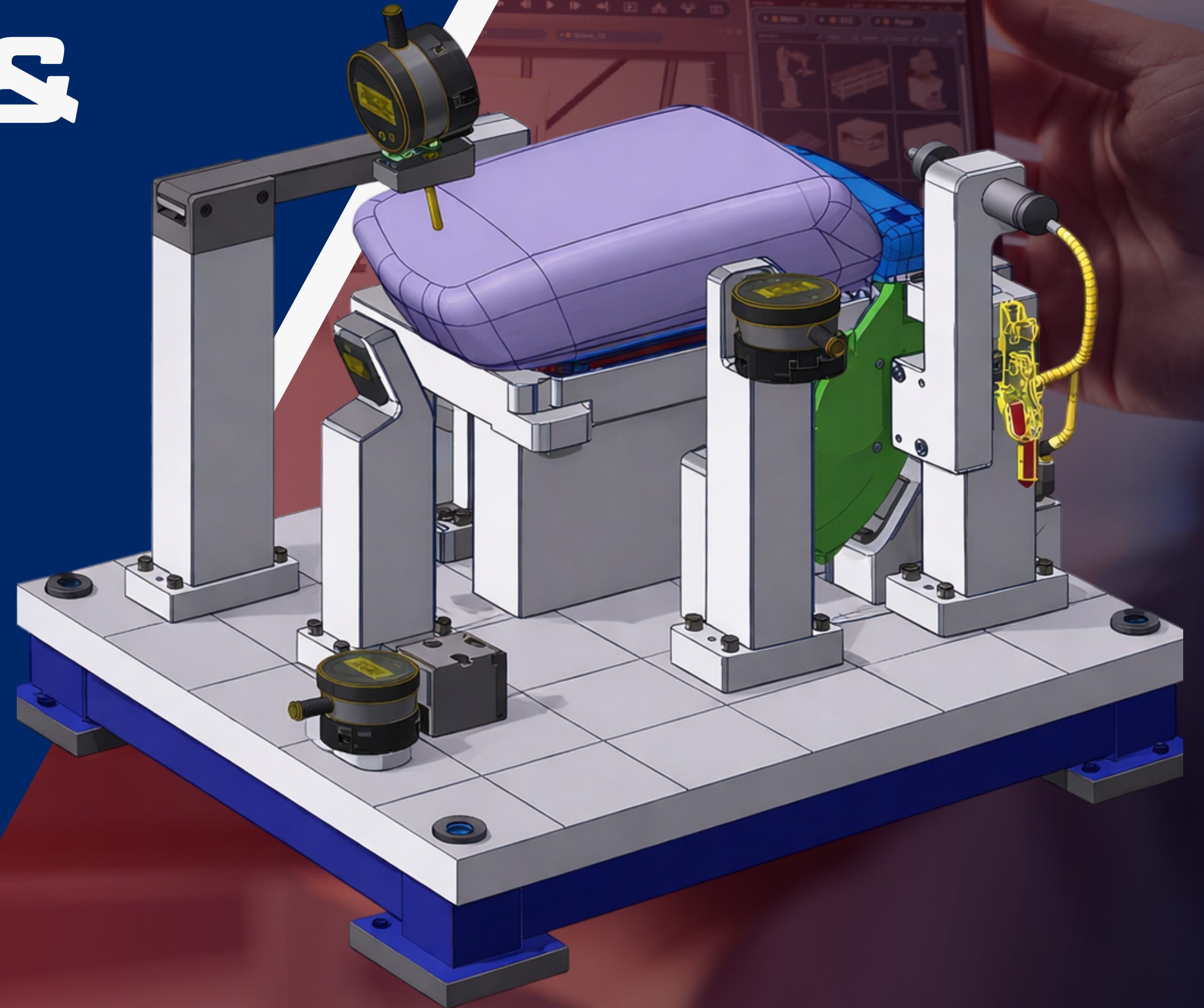
This Reverse Engineering & Metrology service is the fastest way to generate a digital manufacturing reference between your physical part and the CAD model. The 3D inspection provides a color deviation map, measurements, and cross-sections, with the objective of delivering a complete report of your part.



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SPC FIXTURES & CMM FIXTURES

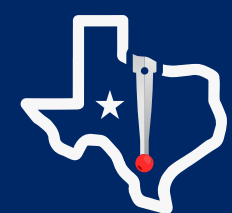
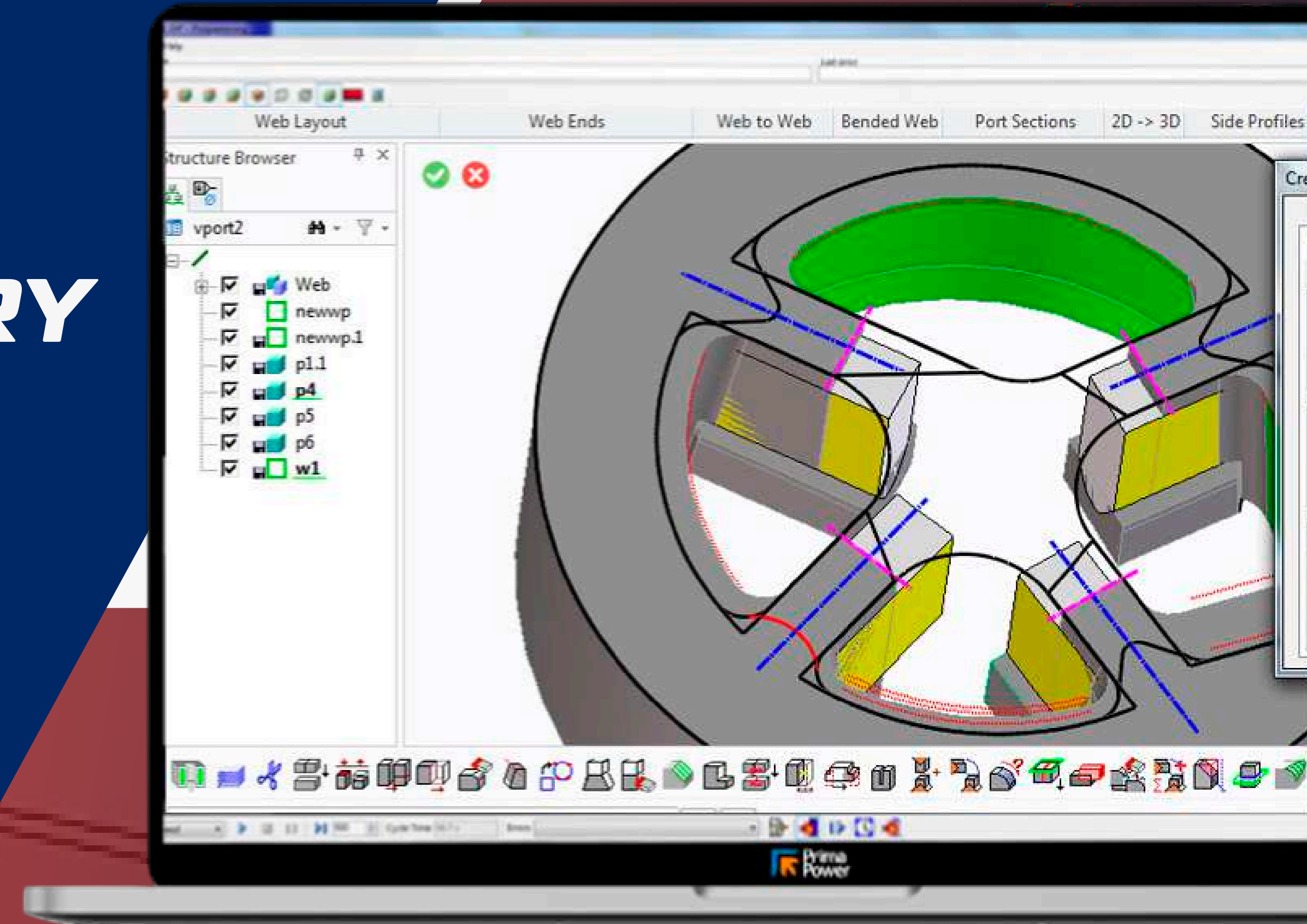
- Design is based on GD&T and Customer's Gage Standard.
- Example: Gage for Armrest SPC & Feelers measuring.
- 6 SPC for profile measuring, part tolerance of +/- .5mm.
- Automatic Error Proof System to collect data for SPC with RFID port recognition and tablet or PC with custom programs for each part.
- Hard anodizing for longer lasting surfaces.



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GAGES AND TOOLING DESIGN & FABRICATION FOR THE TUBE INDUSTRY

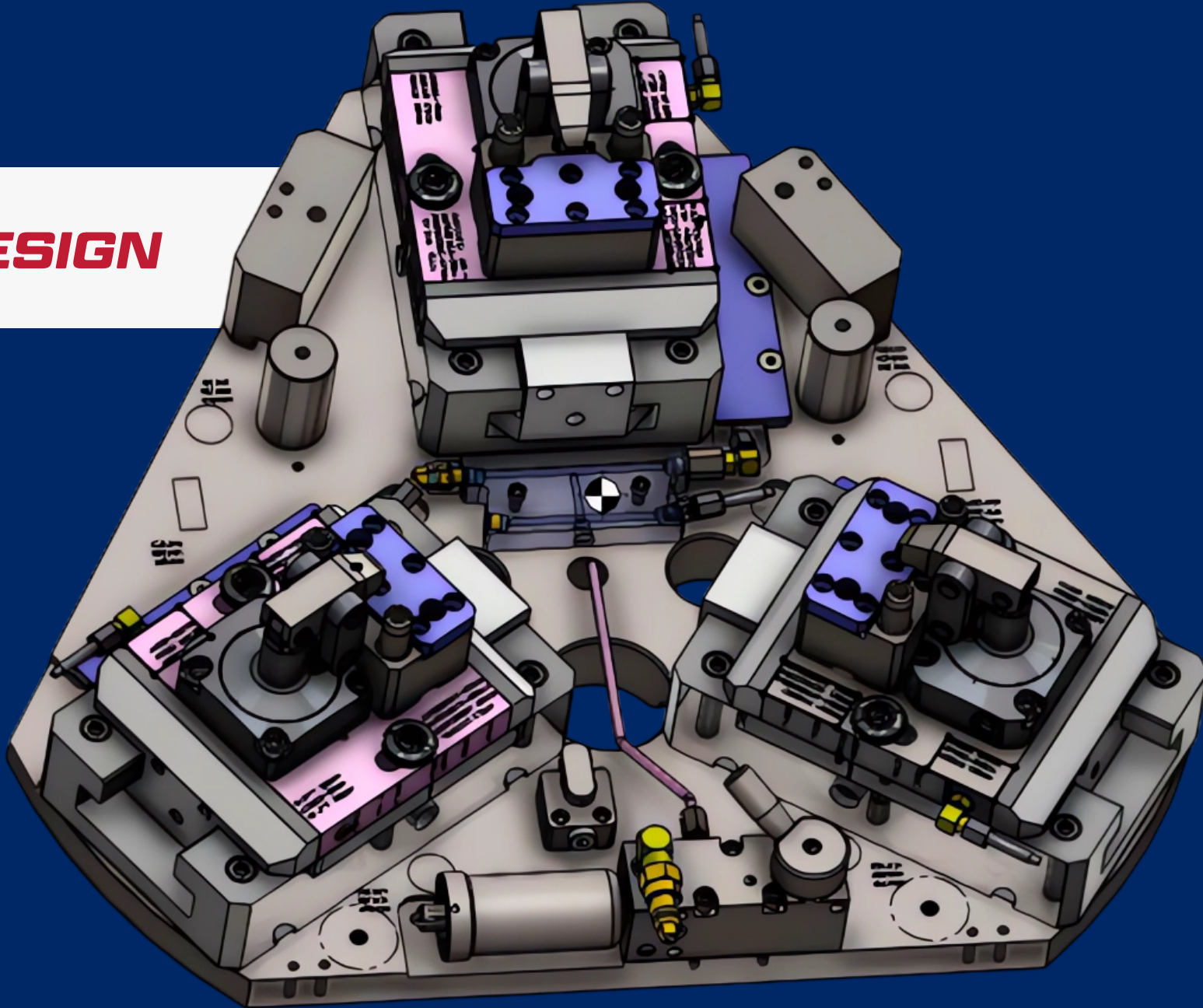
- Design is based on GD&T and Customer's Gage Standard.
- Hardened Steel is used in contact surfaces for heavy duty use.
- Design and fabrication of components for roll forming mills and tube cnc bending and laser cutting.



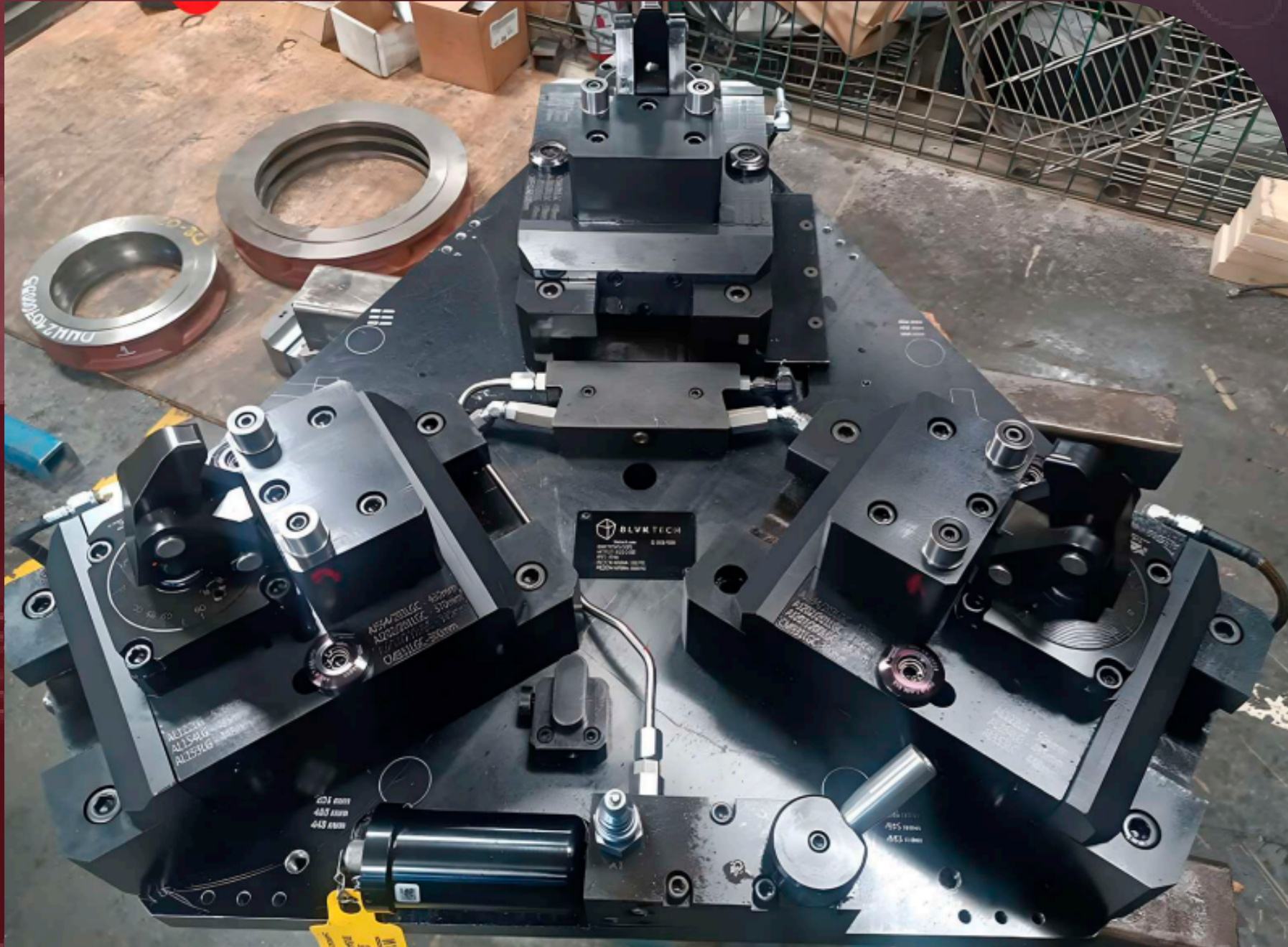
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HYDRAULIC CALENDAR TOMSTONE VERTICAL LATHE

DESIGN



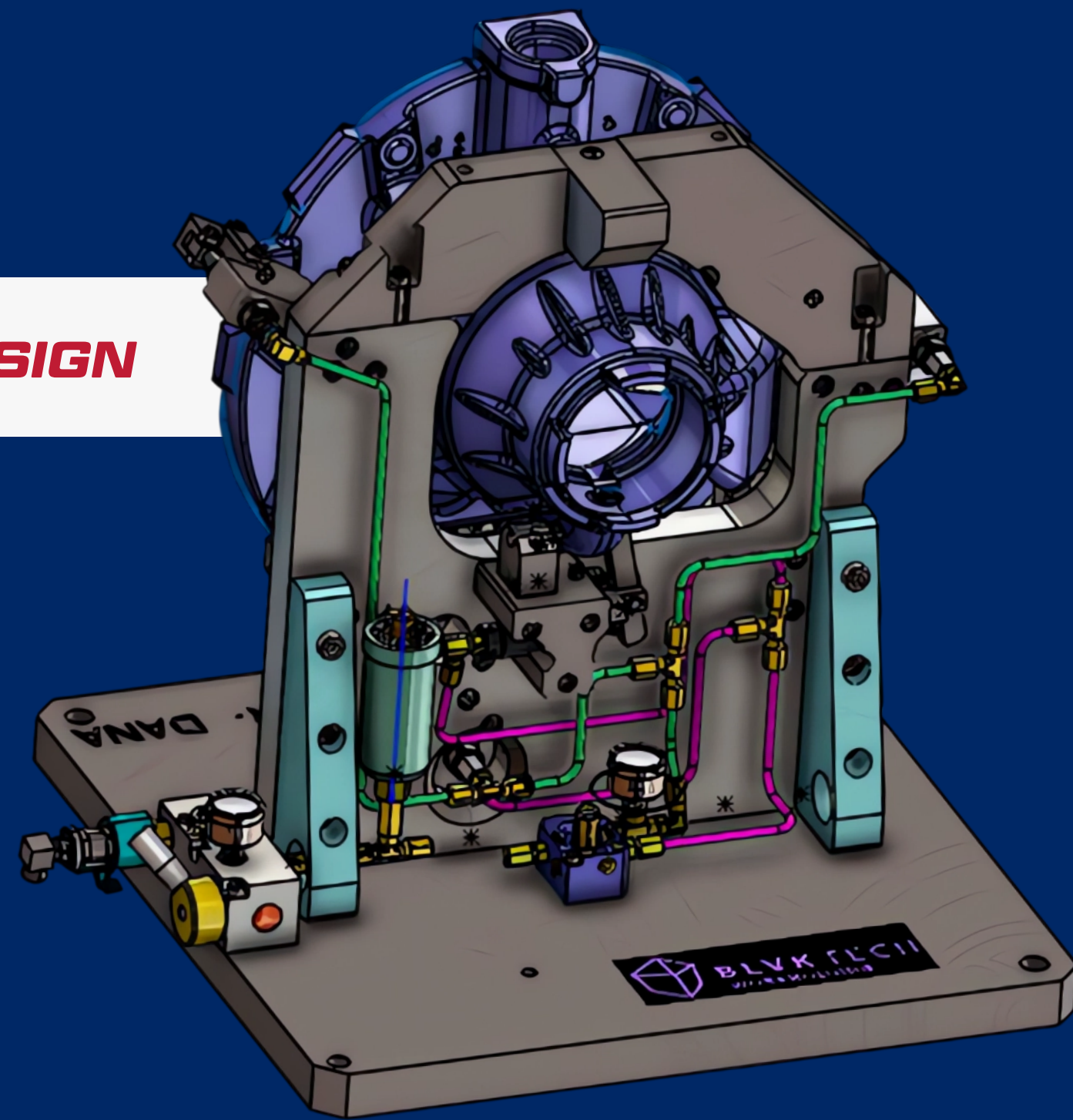
PRODUCT



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HYDRAULIC CALENDAR TOMSTONE VERTICAL LATHE

DESIGN



PRODUCT



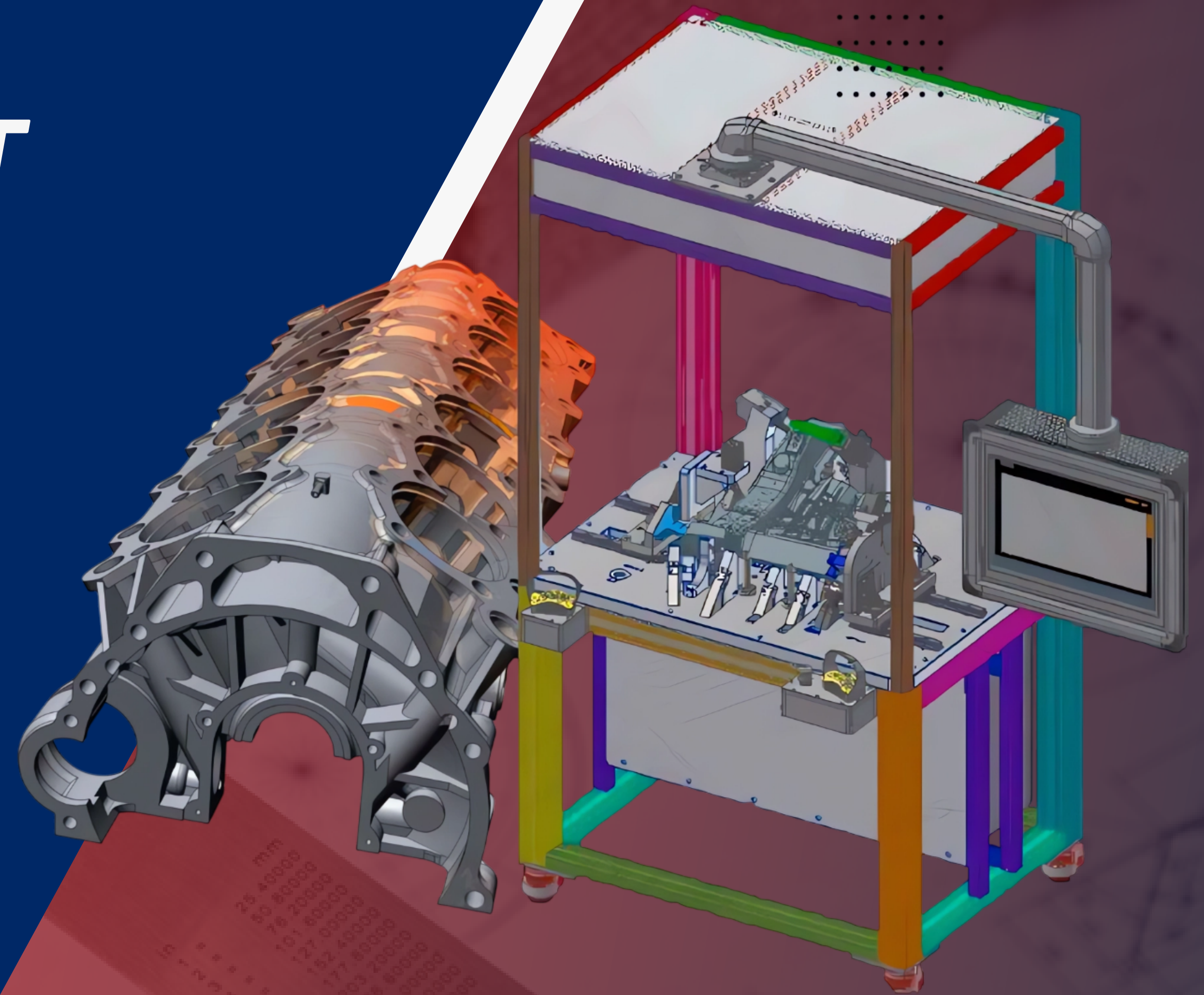
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HIGH PRECISION LVDT PROFILE DEVICE FOR COMPLEX SURFACES

-Focused in complex shaped parts (Die Casting, Stamping, Foundry, Automotive Glass, Turbine Blades).

-Example: 6 seconds cycle time. 30 LVDT equals 30 CMM profile points at the same time.

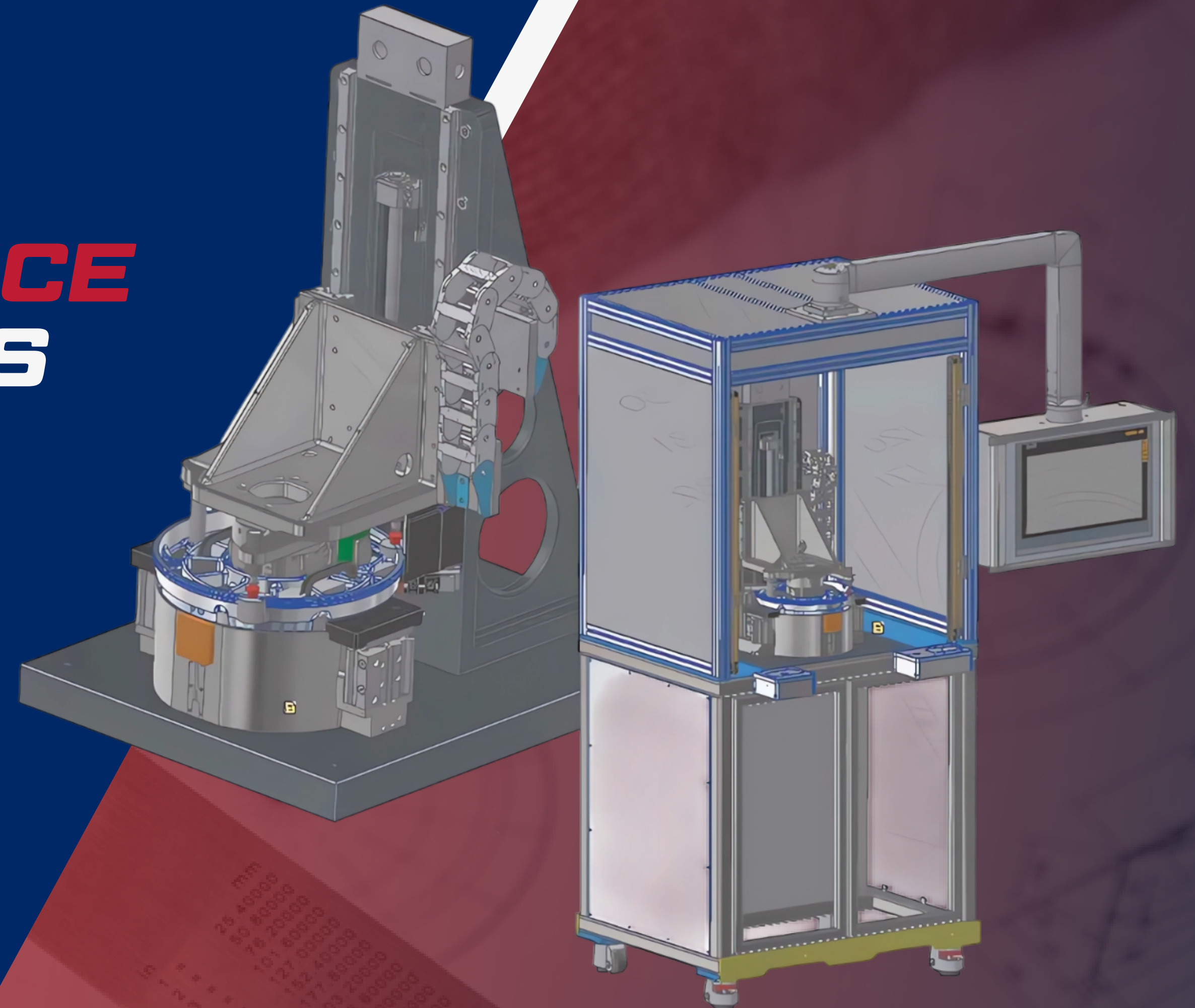
-Part Tolerance up to +/- .25 mm.



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ULTRA HIGH PRECISION LVDT DEVICE FOR MACHINED PARTS

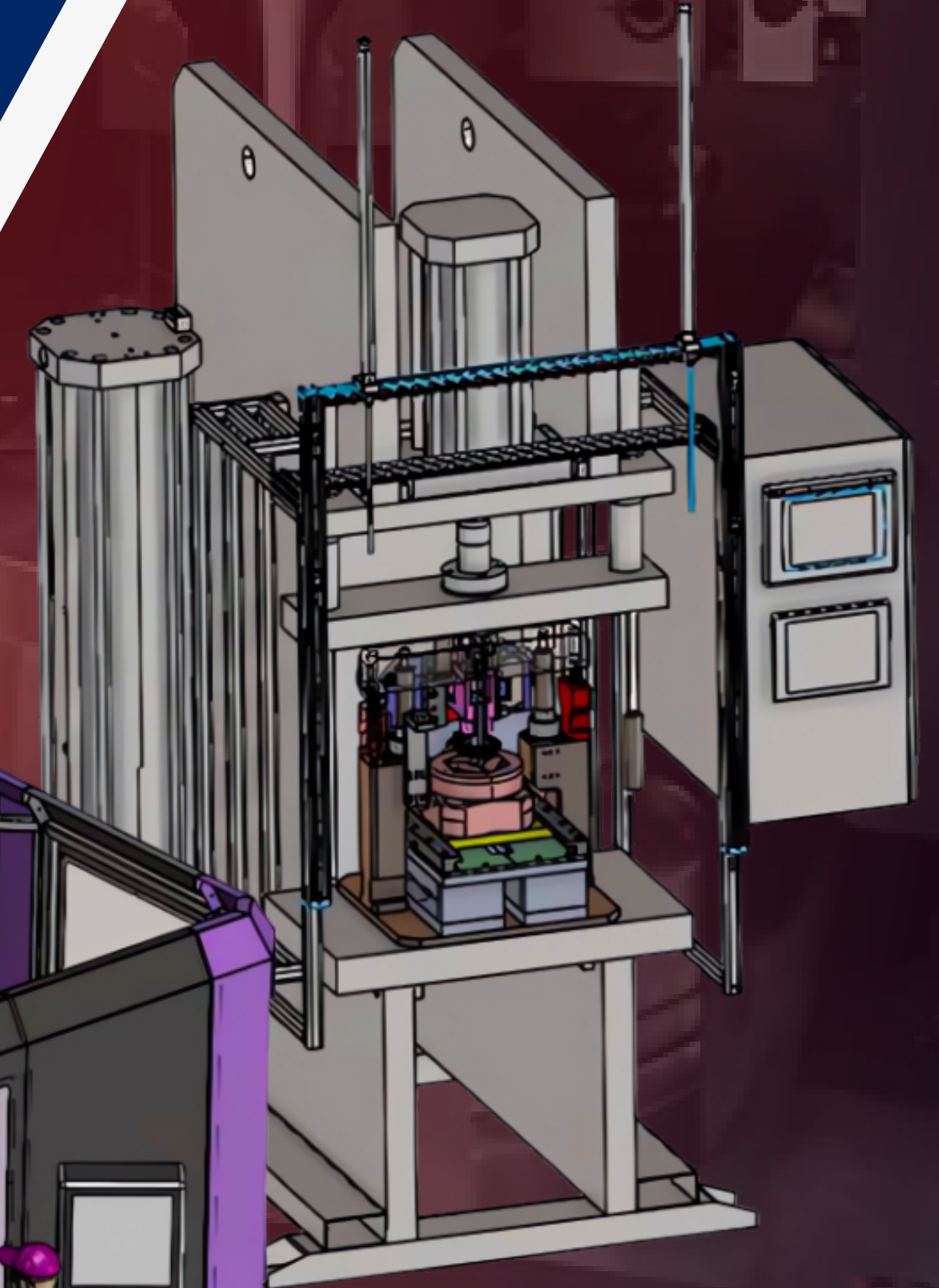
- Focused on higher precision parts. (Usually machining or grinding process).
- Example: 8 seconds of cycle time. 24 LVDT to measure diameters, distance.
- Part Tolerance up to $\pm 0.0015\text{mm}$. Real Time temperature compensation.



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CUSTOM PRESSING SYSTEM.

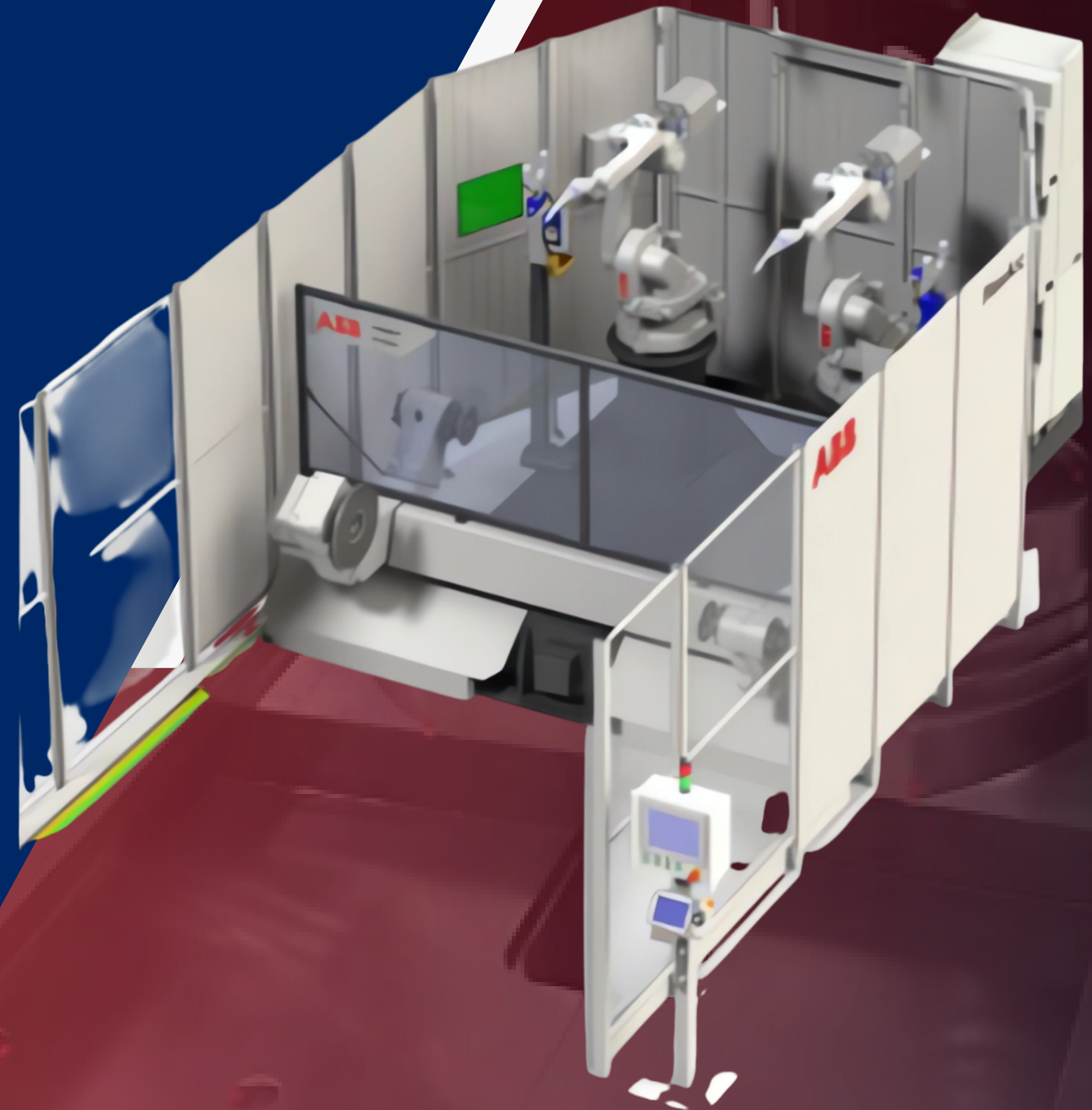
Turnkey Solutions specific to our clients needs. Example: 30 seconds cycle time of automatic pressing system. Press and Fixture fabrication, Hydraulic Unit integration. Security Door and Integrated measuring system.



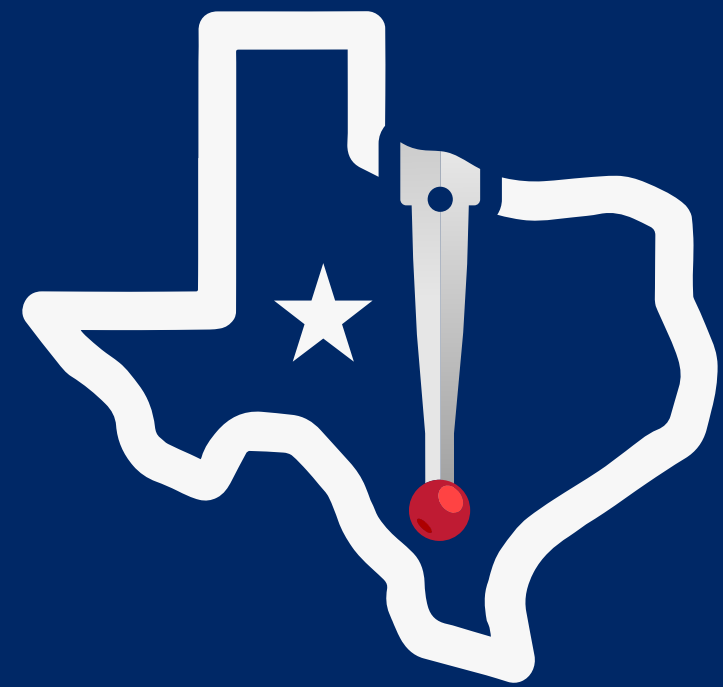
WE ARE ▶ **TEXAS METROLOGY SOLUTIONS**

TURNKEY CUSTOM ASSEMBLY AND INSPECTION CELLS

- Custom Design.
- Turnkey Solutions specific to our clients needs.
- Custom EOAT design with alignment system and Vacuum Holding.
- Turn Table to reduce loading and unloading times.
- Safety Systems.



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CONTACT US



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