









ROCKINGER Quicke

WELCOME TO THE 2025 JOST SUPPLIER CONFERENCE





2025 JOST SUPPLIER CONFERENCE INTRODUCTION VIDEO – GRAND HAVEN, MICHIGAN





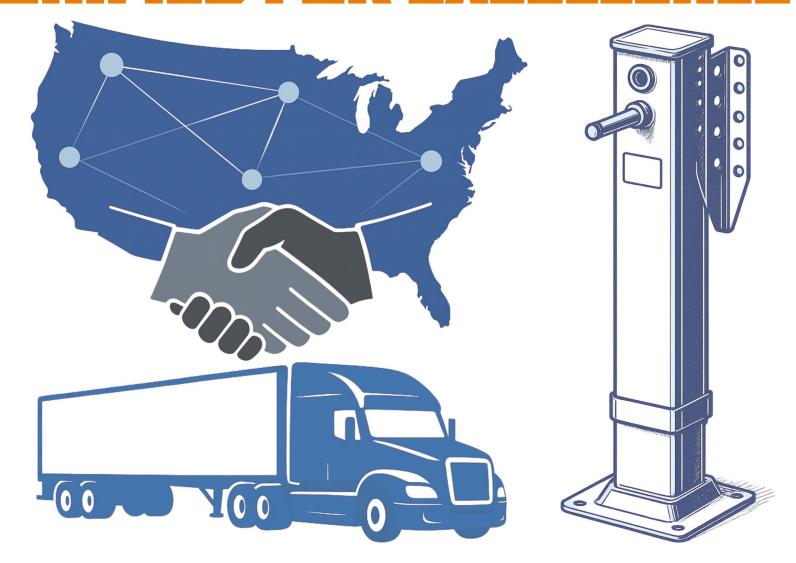


- Nancy Johnson
- Purchasing Manager
- 3+ Years @ JOST
- ISM Certified Purchasing Manager.
- 26 Years in the Automotive Industry prior to starting at JOST.

OPENING REMARKS FOR THE SUPPLIER CONFERENCE

UNIFIED FOR EXCELLENCE





WELCOME TO GRAND HAVEN MICHIGAN: SUPPLIER CONFERENCE 2025!

TODAY AT A GLANCE - AGENDA

- 7:30 a.m. REGISTRATION w/LIGHT BREAKFAST
- 8:30 a.m. OPENING REMARKS FOR THE SUPPLIER CONFERENCE NANCY JOHNSON, PURCHASING MANAGER
- 8:40 a.m. OPENING REMARKS JOST INTERNATIONAL JENS POLTE, VICE PRESIDENT OF OPERATIONS
- 9:00 a.m. SUPPLIER QUALITY EXPECTATIONS RANDY SMITH, VICE PRESIDENT OF QUALITY
- 9:15 a.m. ZERO DEFECT CULTURE DEREK STRAUB, QUALITY MANAGER
- 9:30 a.m. SUPPLIER PPAP REVIEW– KARENA DINGESS, SUPPLIER QUALITY ENGINEER
- 9:45 a.m. BREAK
- 10:00 a.m. PRODUCT REVIEW- CONNOR MOYNIHAN, MARKETING MANAGER
- 10:20 a.m. PRODUCT INNOVATION & FUTURE TECHNOLOGY JOSH LANORE, LEAD ENGINEER
- 10:45 a.m. TESTING BRIAN OESTREICH, PRINCIPAL ENGINEER
- 11:10 a.m. LUNCH
- 11:55 a.m. PREP FOR PLANT TOUR ARMIN HAGENLOCH, PLANT MANAGER
- 12:00 p.m. LEAVE FOR PLANT TOUR VIA JOST PROVIDED TRANSPORT (PREMIER TRANSPORTATION)
- 12:30 p.m. JOST PLANT TOUR (HAND OUT PPE; SEPARATE INTO GROUP A, GROUP B, AND GROUP C)
- 1:30 p.m. DEPART THE JOST FACILITY FOR THE HOLIDAY INN
- 1:45 p.m. RETURN TO THE HOLIDAY INN
- 1:55 p.m. PURCHASING STRATEGY NANCY JOHNSON & JENS POLTE
- 2:15 p.m. MATROID ARTIFICIAL INTELLIGENCE (AI) PRESENTATION ADAM BENNETT, DIRECTOR OF SALES FOR MATROID
- 2:45 p.m. JOST PANEL DISCUSSION (MODERATOR NANCY W/JENS, JOSH, AND RANDY)
- 3:15 p.m. SUPPLIER AWARD CEREMONY NANCY JOHNSON, PURCHASING MANAGER
- 3:45 p.m. NETWORKING, WRAP-UP, & CLOSING REMARKS NANCY JOHNSON, PURCHASING MANAGER



HOUSEKEEPING



- **REVIEW OF EMERGENCY EXITS.**
- RESTROOMS ARE LOCATED OUTSIDE THE WATERFRONT BALLROOM NEAR THE MAIN LOBBY
- ❖ BREAK WILL BE AT 9:45 A.M. IN THE MORNING AND IN THE AFTERNOON, AFTER THE JOST GRAND HAVEN PLANT TOUR, PRESENTATIONS WILL RESUME AT 1:55 P.M. (PLEASE ENSURE ALL RESTROOM BREAKS AND SO FORTH ARE COMPLETED PRIOR TO 1:55 P.M.). IF A BREAK IS NEEDED INDIVIDUALLY, PLEASE EXIT THE CONFERENCE ROOM AS REQUIRED.
- PLEASE SILENCE CELL PHONES.
- WIFI PASSWORD IS LOCATED AT EACH TABLE

HOUSEKEEPING CONTINUED



- ALL TABLES ARE NUMBERED. PLEASE ENSURE YOU ARE SEATED AT YOUR ASSIGNED TABLE.
- **LUNCH/REFRESHMENTS WILL BE SET UP IN THE ROOM.**
- THERE WILL BE A JOST PANEL DISCUSSION WITH A QUESTIONS & ANSWERS (Q & A) SESSION BEGINNING AT 2:45 P.M. THROUGHOUT THE CONFERENCE TODAY, FEEL FREE TO SCAN THE SLIDO QR CODE, THAT IS ON EACH TABLE, TO SUBMIT QUESTIONS PRIOR TO THE Q & A SESSION. ANY QUESTIONS NOT ANSWERED BY THE END OF THE CONFERENCE; A FOLLOW UP COMMUNICATION WILL BE SENT OUT.



THERE WILL BE SURVEY AT THE END OF THE CONFERENCE THAT CAN BE ACCESSED WITH A QR CODE (LOCATED ON EACH TABLE). THIS SURVEY WILL BE USED FOR CONTINUOUS IMPROVEMENT AT JOST.

HOUSEKEEPING CONTINUED



SAFETY BRIEF, 11:55 A.M., AT THE HOLIDAY INN BY ARMIN HAGENLOCH, PLANT MANAGER. PERSONAL PROTECTIVE EQUIPMENT WILL BE ISSUED.

WHILE AT THE 172nd AVE FACILITY, PLEASE DO NOT TAKE PHOTOGRAPHS. SEE A JOST REPRESENTATIVE FOR REQUESTS.

SUPPLIER CONFERENCE PHOTOGRAPHS, PRESENTATION, RELEVANT FORMS, DOCUMENTS, AND SO FORTH WILL BE UPLOADED TO THE 2025 JOST SUPPLIER CONFERENCE LANDING PAGE. A QR IS LOCATED ON THE BACK TABLE.

NO VIDEO RECORDING





- **❖ JENS POLTE**
- ❖ JOST INTERNATIONAL

 VP of Operations

 and COO AMERICAS

 REGION
- 22 Years @ JOST Int.
- → 35+ years in manufacturing & purchasing. Development of motorsport components and the last 25 years in heavy-duty truck.
- Mechanical Engineering with emphasis on thermodynamic/turbines/ engines.
- Partnership to drive growth and innovation.

OPENING REMARKS - JOST INTERNATIONAL

GOALS & OBJECTIVES OF THIS SUPPLIER CONFERENCE



WHY ARE WE HERE TODAY?

- Share latest company product range
- Share strategic directions and ACT market forecast.
- Align on quality and purchasing expectations.
- Strengthen supplier relationships and communication.
- Celebrate top-performing partners with supplier awards.
- Foster collaboration for future growth.

WHAT WE STAND FOR

JOST BRAND EXPERIENCE



The JOST Brand Experience is a combination of our strong brands and our customer focus, strengthening customers' trust in JOST.



SAFETY-RELATED COMPONENTS AND SYSTEMS FOR TRANSPORT & AGRICULTURE

HIGH QUALITY & RELIABILITY

HIGH SPARE PARTS AVAILABILITY

CUSTOMER CONFIDENCE IN JOST'S STRONG BRANDS

JUST ROCKINGER TRIDEC Quicke HYVA

WE PUT OUR CUSTOMERS FIRST

WE FOCUS ON SOLUTIONS

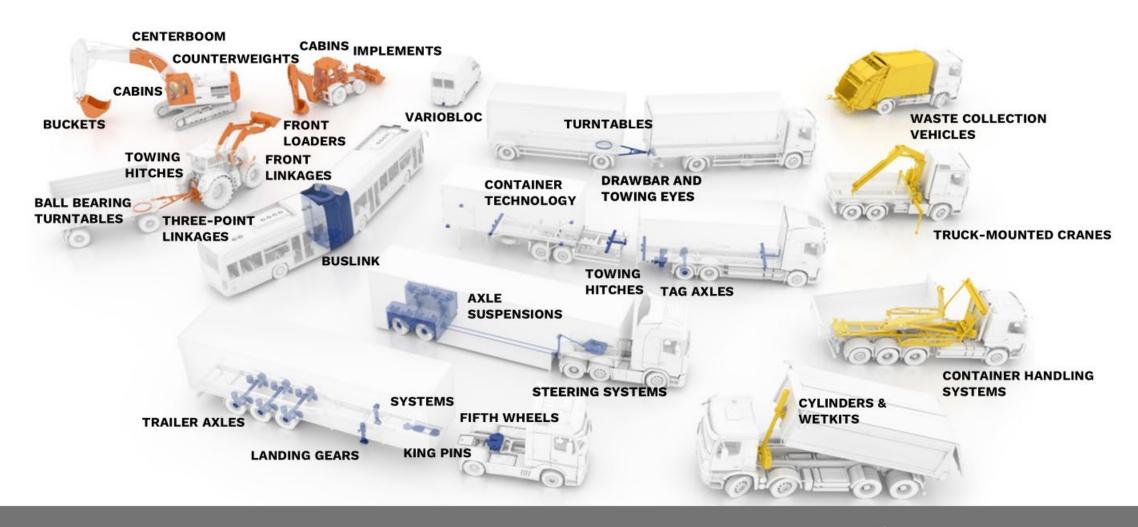
WE CREATE LONG-TERM VALUE



WHAT WE OFFER

JOST PRODUCTS & BRANDS





Truck Market Outlook - ACT Research - June 2025



- 2025 Class 8 forecast cut 14% to 247,600 units; Tractors down 12%, Vocational down 19%.
- 2026 outlook slashed 21% to 254,100 units ACT "throws in the towel" on long-term expectations.
- ◆ Order activity weak; backlogs down ~38K units YoY → signals slower build rates and reduced visibility.
- \bullet **OEMs raising prices (steel tariffs +50%)** \rightarrow higher equipment costs reduce new truck demand.
- Carrier profitability at recessionary levels fleets deferring truck purchases, focusing only on essentials.
- Used truck sales up YoY \rightarrow shifting demand from new builds to aftermarket parts and refurbishment.
- Freight market soft; overcapacity and falling spot rates erode carriers' investment appetite.
- Policy-driven volatility (tariffs, GHG3, tax rules) undermines production planning and R&D confidence.



=> Expect shorter lead times, smaller orders, and erratic production cycles — agility is critical!



JOST Transport Strategic Plan





- 50% improved TRIR
- 3% (Spend) net Material
 DPO 26 Savings
- 1% (Sales) CI Savings
- >2% Sales Growth p.a.

- Achieve 11 turns
- DSO 40
- 99% On Time Delivery
- TN PPM <10

STRATEGIC INITIATIVES: NORTH AMERICA



- 1. Upgrade Business Operating System
 - Develop CI Program
 - · Management Reviews to drive KPIs
- 2. Execute Digitization Roadmap
 - · Automate 70% quality check w/ AI
- 3. Invest in High Performing Operating Processes
 - Evaluate make vs buy & footprint opportunities



Harvesting Sustainable Growth

- 4. Leverage CRM Data to Grow Business
 - Implement CRM (inside & outside Sales)
 - Develop formal scorecard reviews
 - Implement new SIOP drive delivery and inventory performance
- 5. Develop Cross-Functional Product Development Innovation Team
 - Implement new PLP process & PMO
- 6. Optimize Cost & Price Processes to maximize customer value



Elevating People Performance

- 7. Invest and Optimize High Performing **Teams**
 - Deploy Performance Management Process
- 8. Increase Employee Engagement
 - Haves revitalization plan
 - Enhance communication
- 9. Integrate Hyva

Unified for Excellence with JOST...





Zero-Defect Quality



Innovation & Engineering Collaboration



Reliable On-Time Delivery



ESG & Compliance Standards



Cost Competitiveness



Transparency & Communication





- Randy Smith
- Vice President of Quality
- 24 Years @ JOST
- > IATF, VDA, ISO 14001 Lead Auditor.
- With JOST since first JOST facility became TS 16949 certified.
- Facilitated third-party certification for three other JOST North America locations.

SUPPLIER QUALITY EXPECTATIONS

KEY TAKEAWAYS

- COLLABORATE
- **COMMITMENT TO QUALITY**
- * ALIGN
- ***INNOVATION**
- DRIVE PROGRESS
- ***LASTING PARTNERSHIP**



shared commitment to quality, innovation, and lasting partnership.

WHAT IS COLLABORATION?



Webster defines collaboration as, "to work jointly with others or together especially in an intellectual endeavor."

"Great things in business are never done by one person. They're done by a team of people."

Steve Jobs, Apple.

* "Coming together is a beginning; keeping together is progress; working together is success."

Edward Everett Hale, author and historian.

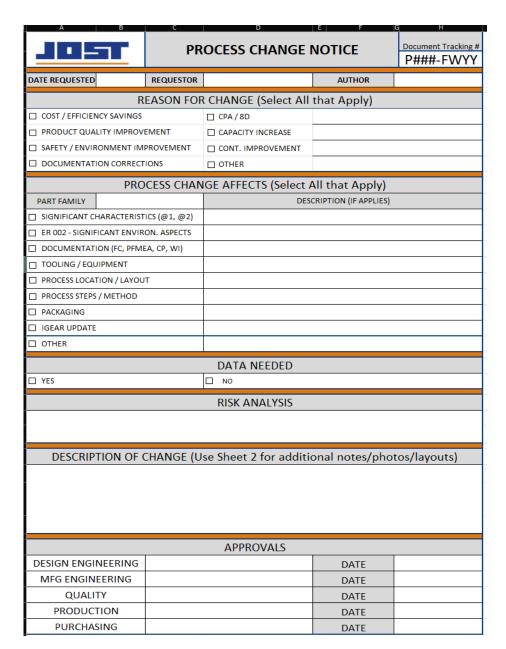
LACK OF COLLABORATION'S IMPACT ON CUSTOMER SATISFACTION



Over the last three years at JOST International:

- **25% of OEM complaints are root caused in Tier-2 provided parts....and...**
- 56% of warranty issues stem from Tier-2 provided parts.
- **Common finding among the root cause analysis for warranty and JOST customer complaints stem from the change management process.**
 - We found suppliers are not collaborating with JOST prior to changes being made. JOST asks for 90 days notice prior to a product, process, or location change (temporary or otherwise) to include those of their sub-tier suppliers.
 - Due to the lack of notice, cross functional risk assessments, such as the PFMEA updates to PPAPs, are not happening until the issue has had its impact on JOST.





QR 399 Process Change Notice

Reason for Change

- COST/EFFICIENCY SAVINGS
- PRODUCT QUALITY IMPROVEMENT
- SAFETY/ENVIRONMENT IMPROVEMENT
- DOCUMENTATION CORRECTIONS
- > CPA/8D
- CAPACITY INCREASE
- CONTINUOUS IMPROVEMENT
- ➢ OTHER

Process Change Affects

- ➤ SIGNIFICANT CHARACTERISITCS (@1, @2)
- ➤ ER-002 SIGNIFICANT ENVIRON. ASPECTS
- DOCUMENTATION (FC, PFMEA, CP, WI)
- TOOLING/EQUIPMENT
- PROCESS LOCATION/LAYOUT
- PROCESS STEPS/METHOD
- PACKAGING
- OTHER

Risk Analysis

- Description of the Change
- Then Review/Approval by JOST departments

ONE MORE COLLABORATION QUOTE



"Of all the topics to collaborate on, the one that binds business partners together the most is RISK."

Randy Smith, JOST International

Fun Fact:

9 of the 10 clauses in ISO 9001:2015 ask for risk assessments.

The core risk-based thinking topics are in:

- Leadership Commitment and Customer Focus.
- Operational Planning and Control.
- Management Review.
- Continuous Improvement.
- ➤ AIAG PFMEA is a Structured Methodology to Identify and Mitigate Risks.

HOW DOES JOST COLLABORATE ON RISK?

J05T

JOST Supplier Quality Manual on Risks

- 2.0 Supplier Approval Process
- 6.1.2 Special Characteristics/Safety
- 6.1.4 CQI Audits
- **♦** 6.1.5 JOST PPAP
- 6.4 Supplier Sub-tier PPAP
- 9.3 Traceability
- 9.4 Equipment Maintenance
- 11.0 Product and Process Change Request
- **12.0** Risk Assessment and Contingency Plans
- 14.0 Record Retention





Rev. K Jan 2025



2.0 JOST Supplier Approval Process - Suppliers are approved to provide parts and services to JOST upon successful completion of the supplier approval process. Supplier approval process involves:

- Self-Assessment Audit (QSR-053)
- JOST Confidentiality Agreement (QSR-062)
- Conflict Material Inquiry (ER-092)
- Agreement to Comply with this SQM Manual (QR-345)
- Approved Part Submission Warrant (QR-309)
- ➤ Agreement to Comply with JOST Environmental Policy (ER-004)
- ➤ Supplier QMS Assessment (QR-344) for supplier's not IATF certified.

The supplier approval process is made on a facility-by-facility basis and is non-transferable. Each supplier location is required to submit for approval. Approval remains in effect until withdrawn by JOST for the following possible causes (but not limited to):

- Facility Closure
- New Ownership
- No Purchasing Activity for Over One Year
- ➤ Loss of 3rd Party Quality Certification
- Poor Performance
- Increase in Perceived Risk



QR-344 Supplier Quality Management System (QMS) Assessment

The main purpose is to assist our suppliers in understanding JOST's requirements and to allow us to collaborate in a supplier's obtainment of IATF certification.

This document reviews:

- JOST's Supplier Approval Documents.
- Supplier's use of ISO, IATF, and AIAG Manuals.
- Supplier's use of appropriate CQI Assessment Manuals.
- Supplier's Team Member Skill Set Review.
- Supplier's AIAG Core Tool Competency Assessment.
- Supplier's Quality Management System Assessment to ISO/IATF Standard (implementation and effectiveness).



6.1.2 Special Characteristics/Safety

- Special characteristics, such as @1 (safety critical) and @2 (main performance) may be designated on JOST drawings.
- These characteristics indicate government, safety, environmental regulations, or product function is affected.
- The appropriate symbol must be included on all related documents (including control plans, FMEAs, work instructions, process control documents) for the operations which produce special characteristics.
 - The critical product and process characteristics, SPC data is to be annually submitted to JOST along with the PPAP review.
 - > Suppliers of components with safety characteristics (@1) need to submit a Self-Assessment Safety Audit (QR 382) every three years along with the risk assessment in section 12.



6.1.4 Continuous Quality Improvement (CQI) Audits

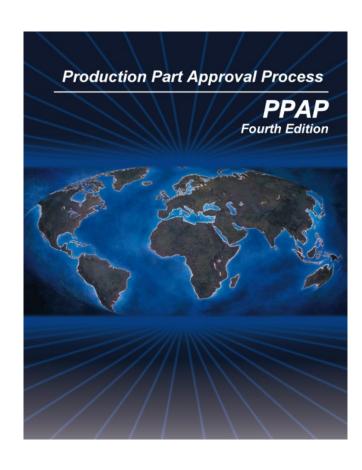
Suppliers with internal or outsourced "special processes", as identified by the Automotive Industry Action Group (AIAG), are required to conform to relevant AIAG Special Process documents:

Heat Treat, Plating, Coating, Welding, Soldering, Molding, and Casting System Assessments

In addition, all suppliers, who provide special process products, must comply with the following requirements:

- The special process operation(s)/characteristic(s) must be included on the supplier PFMEA and Control Plan.
- **❖** JOST must perform on-site level 5 PPAP evaluations for all suppliers providing special process products.
- Annual audits are mandatory for all suppliers of heat treatment (CQI-9), and casting (CQI-27) operations.





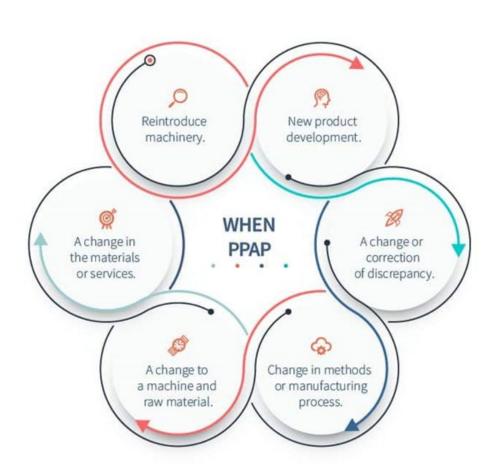
6.1.5 Submission Requirements for PPAP – Risk Related Documents

- Process Flow Diagram, to include rework
- Process FMEA, to include rework
- Control Plan, to include rework
- Measurement System Analysis
- Process Capability Studies (Cpks)
- Continuous Quality Improvement (CQI) Audits
- Risk Assessment and Contingency Plans



6.4 PPAP Sub-Tier Management

- All products are to be manufactured by the supplier and not sub-contracted, unless authorized in writing by JOST.
- Suppliers are to flow down requirements to their sub-tier suppliers (see Customer Specific Requirements).
- Suppliers shall have a method for performing risk assessments of their sub-tier suppliers.
- Contingency plans must be developed should a predictable supply chain delay occur.







9.3 Traceability

- Suppliers must identify JOST product by suitable means through the manufacturing process and in all inventory locations.
- The status of the product must be identified to mitigate the risk of suspect, nonconforming, or unapproved product being used or shipped to JOST.
- Suppliers are to FIFO (First-In, First-Out) material to ensure the production parts are shipped in a timely manner to the current revision and free of storage issue (such as rust).
- Processes that produce a critical feature must maintain batch records with dates for: job set-up verification, manufacturing process stability (defect records), and equipment maintenance.



9.4 Equipment Maintenance

- The supplier's production process shall be planned, maintained, and monitored to ensure process capability is understood and controlled.
- Production equipment must be maintained in a way that minimizes unplanned downtime, process variation, and potential disruption of parts to JOST.
- The supplier's maintenance system must ensure that:
 - ➤ Risk assessment and contingency plans for key equipment is documented.
 - Spare parts are readily available for critical manufacturing equipment.
 - Predictive maintenance methods are utilized.
 - > JOST owned tooling and equipment is identified, maintained, and preserved.





11.0 Product and Process Change Requests

- Suppliers are required to notify JOST at least 90 days prior to product changes, process changes, location changes, temporary or permanent, including those at sub-tier suppliers (utilize QR 399 PCN). The purpose of this is to prevent quality and delivery issues from arising at JOST and protect our end customer from unevaluated changes. Note: this applies to rework processes that have not already been included in your PPAP submissions.
- **❖** A PPAP submission will be required unless otherwise determined by JOST. The supplier will be notified of the PPAP submission requirements after JOST has reviewed the details of the supplier's notification. The supplier must not ship product prior to PPAP approval or waiver notification from JOST's Supplier Quality Manager.



12.0 Risk Assessment and Contingency Planning

- The supplier is to annually perform risk assessments for potential supply chain disruptions and key manufacturing equipment failures. For identified risks, the supplier is to make a contingency plan to follow should the identified risk happen. This requirement is to be flowed down to sub-tier suppliers.
- ❖ JOST requires contingency plans to be submitted at the time of PPAP, and at the date of your third-party quality management system certification renewal to purchasing@jostinternational.com.
- JOST will accept contingency plans on the supplier's form. Should the supplier desire a template, JOST can provide a template for Risk Assessment (QSR-275) and Contingency Planning (QSR-276).

RECAP

J05T

- Risk management is a shared responsibility.
- Suppliers play a significant role in initiating collaboration.
- JOST has collaboration methods in our Supplier Quality Manual.







- **❖** DEREK STRAUB
- QUALITY MANAGER
- 4 YEARS @ JOST
- 8+ years of experience in the automotive industry, held various roles in manufacturing, engineering, and quality.
- > ASQ CQA, CQT, CQE, CMQ/OE.

ZERO DEFECT CULTURE

KEY TAKEAWAYS

- **COLLABORATE**
- **COMMITMENT TO QUALITY**
- *****ALIGN
- ***INNOVATION**
- ***** DRIVE PROGRESS
- LASTING PARTNERSHIP



Bringing our national suppliers together to align, collaborate, and drive progress, united by a shared commitment to quality, innovation, and lasting partnership.

WHAT IS QUALITY?



- **QUALITY IS MEETING CUSTOMER REQUIREMENTS AND IS FITNESS FOR PURPOSE OF USE.**
 - Customer and END USER SATISFACTION.
- **❖** QUALITY IS CROSS-FUNCTIONAL ACROSS TEAMS, THE BUSINESS, AND SUPPLIERS.
 - Quality is everyone's responsibility.
- **QUALITY IS PROACTIVE, NOT REACTIVE.**
 - > We can achieve higher efficiency and reduce costs.
- **QUALITY IS OWNERSHIP BETWEEN EVERYONE INVOLVED IN THE PROCESS.**
 - Because we must prevent defects and repairs.

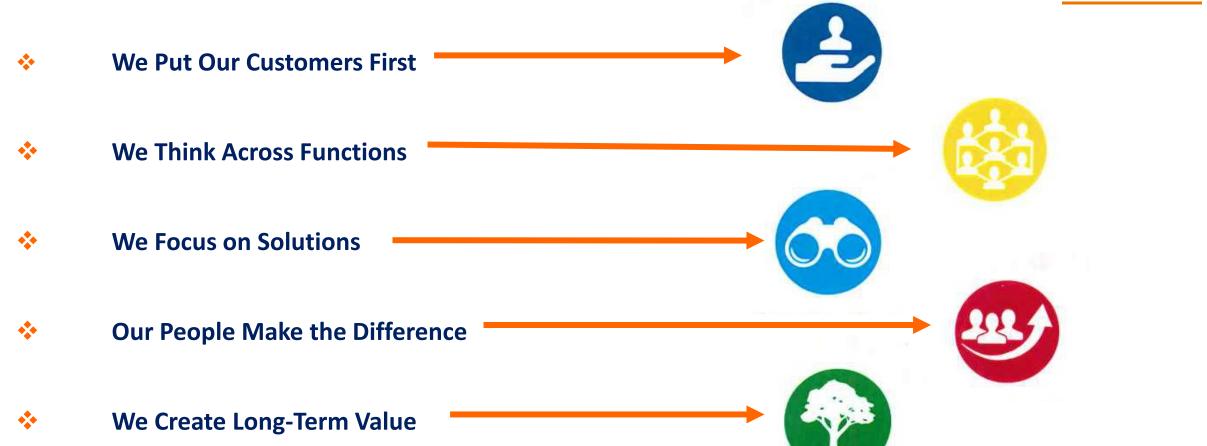
QUALITY FOCUS



- Our commitment is for all JOST products and services to provide unsurpassed customer satisfaction through superior quality and premium value.
 - ldentify and then exceed customer expectations with innovative products and services that contribute to the customer's success.
 - Develop and maintain a shared commitment by all employees to continuously improve performance and to achieve zero defect processes, products, and services.
 - Develop highly skilled employees with industry-leading abilities that adhere to JOST Core Values
- Suppliers are an Essential Element for JOST's Success.
 - > JOST has a goal of maintaining long-term relationships with suppliers
 - > JOST is committed to the continued development and enagment with suppliers

JOST CORE VALUES





ZERO DEFECTS



When it comes to Quality & Safety, ZERO defects must be the goal.

WHY 99% Is Not Good Enough

- 99% Quality at Hyundai/Year equates to 1293 defects.
- 99% Quality at Utility/Year equates to 959 defects.
- 99% Quality at Wabash/Year equates to 915 defects.
- 99% Quality at Aurora/Year equates to 739 defects.
- 99% Supplier Quality to JOST equates to 455,903 defects.

WHY 99.9% Is Not Good Enough

- 99.9% Quality at Hyundai/Year equates to 129 defects.
- 99.9% Quality at Utility/Year equates to 96 defects.
- 99.9% Quality at Wabash/Year equates to 91 defects.
- 99.9% Quality at Aurora/Year equates to 74 defects.
- 99.9% Supplier Quality to JOST equates to 45,590 defects.

WHAT IS ZERO DEFECTS?



It is a program that....

- Has Clear and Simple messaging that...
- **Enables** leaders and champions to support...
- **❖** Is **Aligned** with **Safety**...
- Is Based on 3 Key Principles and...
- Has Measurable and Transparent results which creates a Zero Defects Culture.







CONTINOUS
IMPROVEMENT
AND LESSONS
LEARNED

3 NO DEFECT PRINCIPLES - FOUNDATION

ZERO DEFECTS – ELEMENTS OF NO DEFECTS



Thinking Elements

- Business Needs
- > The Message
- ➤ The 3 Principles



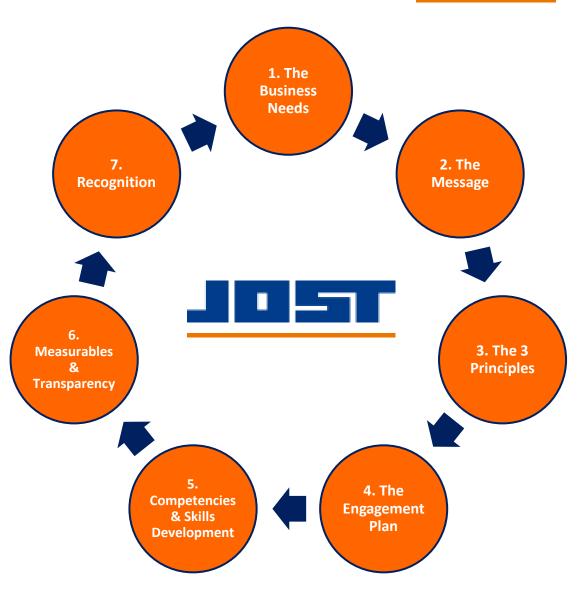
- The Engagement Plan
- Competencies and Skills Development



- Measurables & Transparency
- Recognition







ZERO DEFECTS – THE BUSINESS NEEDS



FROM TO

Defects cause loss in **SAFETY, DELIVERY**, and **PROFIT (BOTTOM LINE)** Eliminate loss from the Cost of Poor Quality (COPQ)







Impacts from **DEFECTS** are not visible due to lack of transparency

 Organization values a culture with NO **DEFECTS** and metrics are measurable and transparent





Perception - Quality is a



 Shift the mindset to "EVERYONE OWNS" **QUALITY**"



• QUALITY BASICS are UNDERSTOOD by **EVERYONE – OWNERSHIP AND COMPENTENCY**



ZERO DEFECTS - COMMUNICATION



Establish Activities to Promote a Quality Culture



- Establish Metrics that Drive the Quality Culture (Internal PPM, KPI, Scorecards,....).
- Quality Topics at Leadership Meetings (Tier Meetings, Management Review.....).
- Establish a No Defects clock.

Implement a Recognition Program (End of Year Hourly Bonus Program, Monthly Quality Employee of the Month).

ZERO DEFECTS – COMPETENCY AND SKILL DEVELOPMENT FOR TEAM MEMBERS



- Establish Quality Compentency Framework (Skills Assessment & Proficiency Levels).
- Training Modules to Close the Gaps (THORS Academy).
- ❖ Incorporate Quality into Onboarding/Training (Team Member Orientation w/Review Critical Characterisitcs of Components).
- ❖ Include Innovative Processes and Practices (Artificial Intelligence, Vision Systems, Automation).

ZERO DEFECTS – TRANSPARENCY



- Transparency is a First Step to Continuous Improvement.
- Decide what you want to consistently track per group.
- **Accept that not every group will measure the same.**





One Quality! One Team!

Supporting each other across all regions!

"Be the grease to reduce friction in the whole organization!"

DIRK HANENBERG, Chief Operating Officer at JOST WERKE SE

ZERO DEFECTS – RECOGNITION PROGRAM





Presented to

Team Member

For Outstanding Effort and Commitment to Excellence

Awarded this 15 days of April. 2025, in recognition of your exceptional dedication, attention to detail, and unwavering pursuit of quality in every task. Your efforts have made a significant impact on the success of our team and organization.

Your consistent high standards and commitment to doing things right set a powerful example for others and are truly appreciated.

Thank you for going above and beyond.

Randy Smith

VP of Quality





- ***** KARENA DINGESS
- SUPPLIER QUALITY ENGINEER
- 4 months @ JOST
- ➤ ISO 9001:2015, IATF, Internal Auditor, Lead Auditor, Supplier Auditor Certification.
- Over 20 years
 experience in Quality,
 over 10 years experience
 in automotive as an
 SQE.

PPAP REVIEW

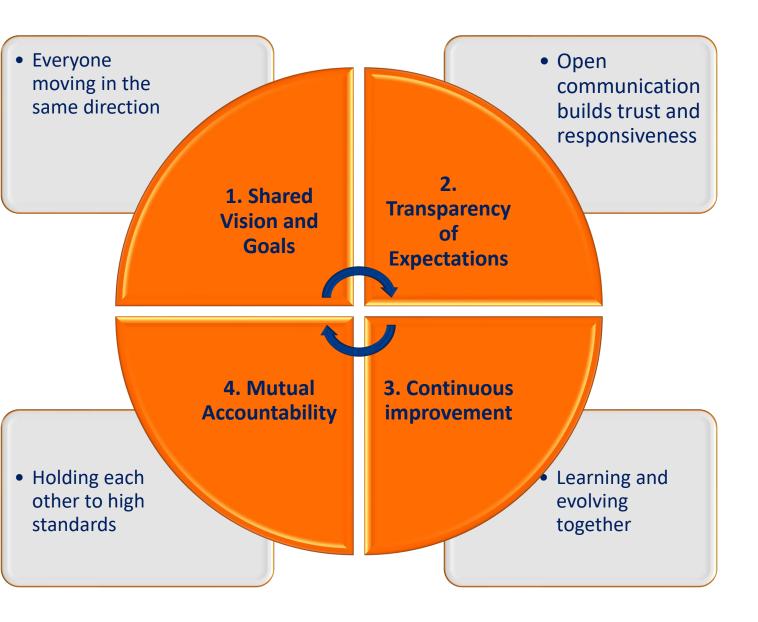
KEY TAKEAWAYS

- **COLLABORATE**
- **COMMITMENT TO QUALITY**
- *****ALIGN
- ***INNOVATION**
- ***** DRIVE PROGRESS
- ***LASTING PARTNERSHIP**



What does alignment mean?

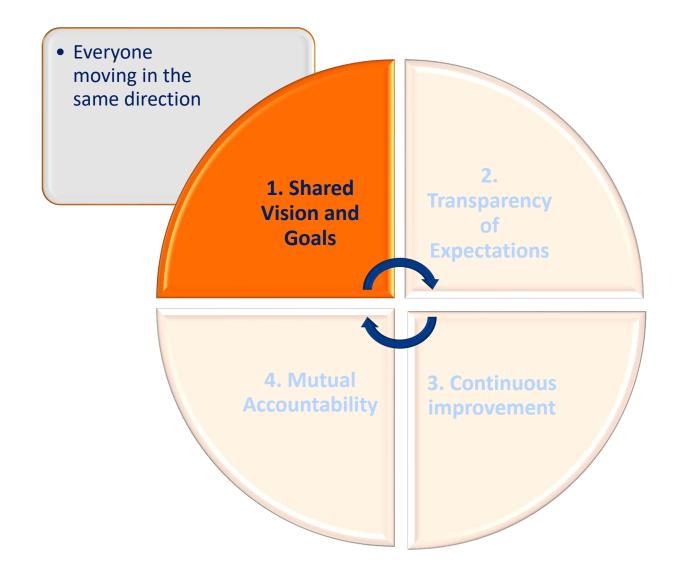




Why does it matter?

- Reduces risk: Fewer surprises, better anticipation of issues.
- Improves Quality and Delivery:
 Clear expectations = consistent
 output
- Strengthens Relationships: Trust and respect lead to long-term success.
- Customer Satisfaction: Customers and end users benefit when the supply chain is united.







Shared Vision and Goals



100% On time delivery / correct quantity

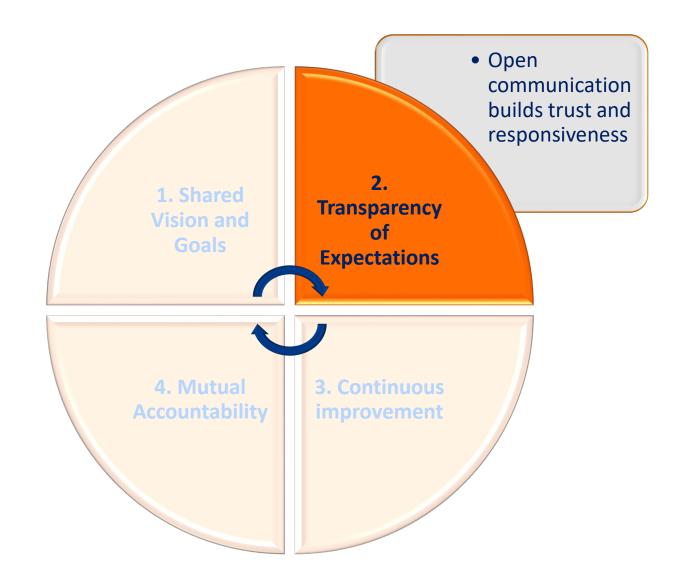


100% 1st submission PPAP success



- JOST and our supply base should share the same goals to achieve a successful partnership.
- JOST will communicate supplier performance to these goals through Soft Facts Scorecards







Corrective / Preventative Actions

While our common goal is 100% quality, we know things aren't *always* perfect.

When there is a non-conformance found at JOST or at our customer, a CPA will be issued (Corrective/Preventative Action). Our new CPA form clearly communicates what data we require and when each stage is due.

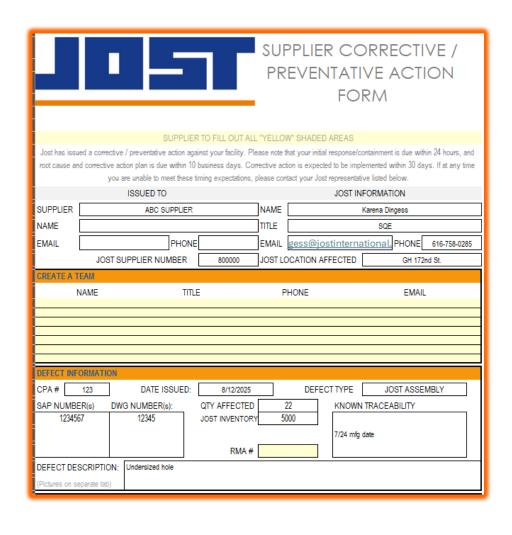
The JOST team will work with you as much as you would like, or as needed to help find a root cause and robust corrective action. Our goal is to prevent reoccurrence, so we can fulfill the 100% quality goal.

Let's take a quick peek at the CPA form.





Supplier CPA Form



Throughout the form you will see areas shaded in yellow, this will be the information you fill out.

We ask that the form be filled out as completely as possible.

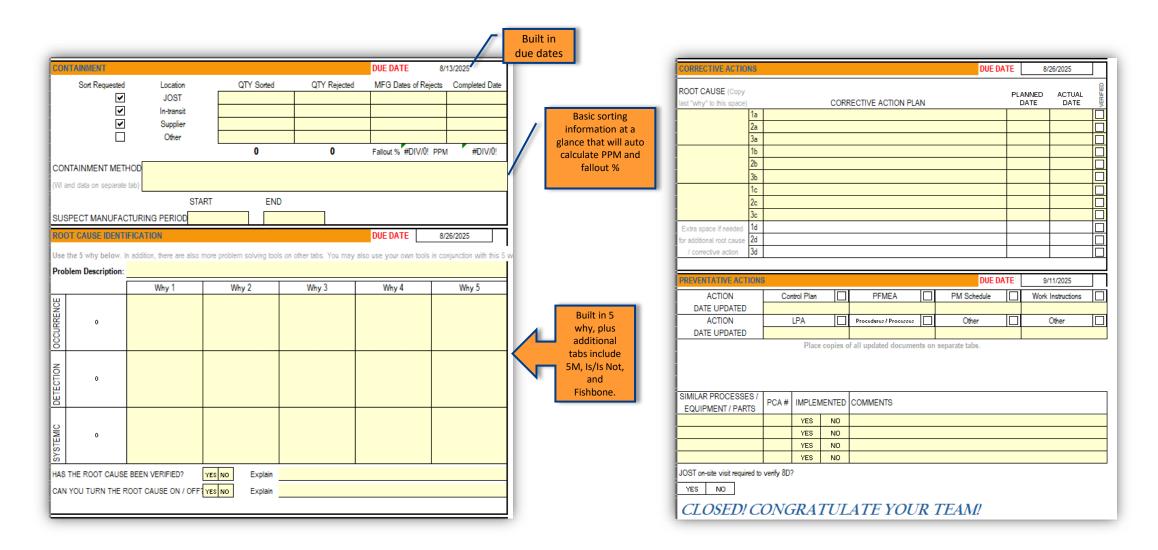
With this form, we are giving you as much information as we can, such as traceability if known, where the defect was found (JOST, customer, etc.)

Whenever possible, we will add photos of the defect and other details to the "pictures" tab.





Supplier CPA Form





On Time Delivery / Correct Quantity

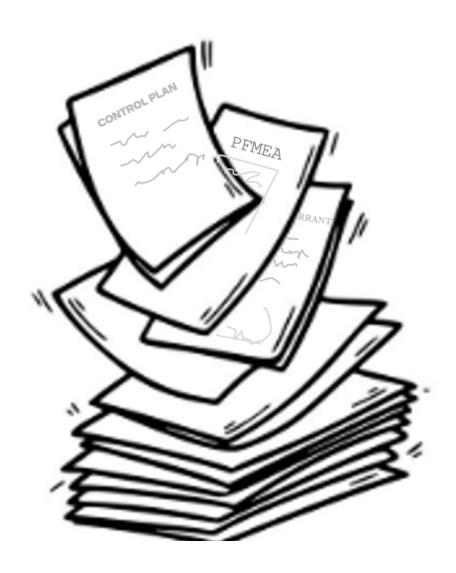
One of the functions of the SQE is to work closely with the receiving and purchasing teams.

We will report out to the supplier if OTD / QTY falls below 90% and will issue a CPA.

The SQE/Purchasing team will work together to make sure this information is accurate and timely. Again, the team at JOST is committed to helping our suppliers remedy these situations.







A PPAP request will be triggered by several events as outlined in the **QR 399 Process Change Notice** reviewed by Randy Smith earlier.

Our expectation is on-time submission of PPAP, with 1st time approval. If known, the due date will be communicated to you, or in some cases the implementation date that you provide will dictate the PPAP due date.

No matter how the due date is determined, you will need to adhere to that date, or communicate with the JOST team why the date cannot be met and provide a new proposed due date. Depending on the circumstances, we may be able to accomodate, but if not, we will work with you to find a solution that is acceptable for you, JOST and our customers.



PPAP Submission Guidelines (Grand Haven)

1. Drawing

6. PFMEA

8. MSA

7. Control Plan

5. Process Flow Diagram

9. Dimensional Results

11. Capability Study

14. Sample Parts

15. Master Sample

10. Material Performance Tests

Jost supplier:

Jost Grand Haven is updating the PPAP submission procedure in order to make the process more streamlined and consistent.

When a PPAP is requested from Jost, you will receive the following items:

Jost PSW

 This will outline the basic requirements for submission. You will need to fill out the applicable areas, sign, and return with the submission.

2. Jost PPAP zip file

- The zip file is separated into folders for each element that Jost typically requires. (all may not be needed, depending on the type of submission)
- Each individual folder will contain the basic requirements for the PPAP element, although Jost reserves the right to request less or more documentation.
- documentation.

 c. Some folders may contain Jost forms. Please use these if they are included in the folder. If no forms are included for a particular element, please use your own forms. Core documents should be in AIAG compatible format.
- d. The zip file will be used to return documents for submission. Please do not send one continuous PDF with all documents included.

3. Bubbled drawing

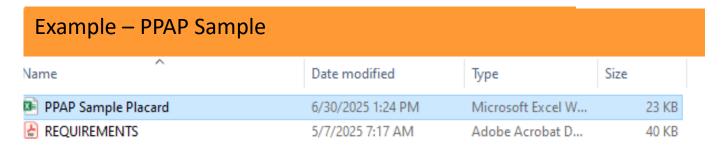
- In most cases, Jost will provide the bubbled drawing to you. Each bubbled dimension will require a 3 pc layout unless otherwise specified.
- 4. In some cases, a request for first run visit will be made with PPAP. Please provide timing of PPAP or initial runs as soon as possible so we can make arrangements.



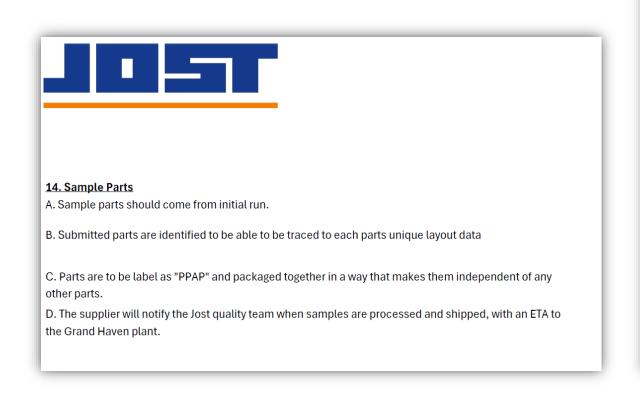
You will receive:

- **PPAP Expectations**
- Zip file
- Bubbled drawing (if needed)
- QSR-067 "JOST Part Submission Warrant"









PPAP SAMPLE PARTS	
SUPPLIER	
NAME AND EMAIL	
JOST PART NUMBER	
PART DESCRIPTION	
JOST PLANT DESTINATION (Please ask JOST SQE for part destination)	
JOST HAYES ST.	
JOST 172nd ST.	
Please print on ORANGE colored paper and affix to 2 sides of the container.	



Parl Heater Parl Heater P	4	•	Jost Part Su	ubn	niss	sion Warrant
Cestal Name Cestal Name Supplier Reserved Store Re						
E-Haiffalteres City State Etylinations			TACT INFORMATION			
Country Jost's supplier code for this manufacture:	Caalsal H	Hamr			Sapplier	r Hamr
Jost's supplier code for this manufacture:	Phone	-brr			Sierel A	tilirras
Jost's supplier code for this manufacture:	E-HJil A	44			Cilq	State 2ip
Litital selection Charge to Optional Construction Perfect to Cha				code f		
Carreline of binary panel (PARP) Carrell Carrell (PARP) Carreline of binary panel (PARP) Carreline of binary panel (PARP) Parl product at Additional (Different Location)						
Tasling: Transfer, Replacement, Referbisheral, or additional Change in Part Processing					_	
Control Discreption Park product of Additional / Different Landing Other place specific; Initial Inspection Results Inspection Material Mechanical Certification Material Mechanical Certification Inspection method validation (Gage R&R and/or MSA) Inspection Method Parks are identified to be able to be traced to each parts unique layout data Material Parks are identified to be able to be traced to each parts unique layout data Material Parks are labeled Parks a	_				_	
Other-pleas specific:		-			_	
Sabrilla Initial Inspection Results Inspection Initial Inspection Inspection Initial Inspection Ins					Ц	Parla produced at Additional C Different Language
Regional Sabatilla Initial Inspection Results Initial Inspection Results Initial Inspection Results Initial Inspection Results Inspection Material Chemistry Certification Inspection Material Mechanical Certification Inspection method validation (Gage R&R and/or MSA) Inspection unique layout data Material Test per unique cavity, data is traceable back to each part unique cav	_		· · · 			
Initial Inspection Results Material Chemistry Certification Material Chemistry Certification Manufacturing Process Flow Diagram Control Plan / FMEA Inspection method validation (Gage R&R and/or MSA) Dimensional layout results for each piece per unique cavity, data is traceable back to each part Submitted parts are identified to be able to be traced to each parts unique layout data Habi Barlas of						
Material Chemistry Certification						
Material Mechanical Certification				4		
Manufacturing Process Flow Diagram			·			
Control Plan / FMEA Inspection method validation (Gage R&R and/or MSA) Inspection method validation (Gage R&R and/or MSA) Dimensional Jayout results for each piece per unique cavity, data is traceable back to each part Submitted parts are identified to be able to be traced to each parts unique Jayout data Hale Parks are labellated as PPAP adaptional largeter in a wall hall be independent of another parks. 30 per capability study Risk Assessment & Contingency plan CQL Risk Assessment & Contingency plan CQL The results feet Dimensional Meticial Testing Appearance Criteria Statistical Process Control The results feet The				1		
Inspection method validation (Gage R&R and/or MSA) Dimensional layout results for each piece per unique cavity, data is traceable back to each part Submitted parts are identified to be able to be traced to each parts unique layout data Hale Parlament to labelane PERP* and parked layout results the independent angular parlament and labelane parlament and lateral resulting Appearance Criteria Statistical Process Control CQL						
Dimensional layout results for each piece per unique cavity, data is traceable back to each part Submitted parts are identified to be able to be traced to each parts unique layout data Habi Barlaser la be Labelas 1998 Submitted parts are identified to be able to be traced to each parts unique layout data Habi Barlaser la be Labelas 1998 Sudy Submitted parts are identified to be able to be traced to each parts unique layout data Habi Barlaser la be Labelas 1998 Submitted parts unique layout data Habi Barlaser la be Labelas 1998 Submitted parts unique layout data Habi Barlaser la be Labelas 1998 Submitted parts unique layout data COL				R&R and	d/or M	ISA)
Submitted parts are identified to be able to be traced to each parts unique layout data Hale: Seale are labellables "PRPS" and parts and law libraries the independent of any libraries. 30 pee capability study Risk Assessment & Contingency plan CQL						,
Hale: Parks are label as "PPAP" and packaged lagellor in a use likel makes them independent of any after parks. 30 pes capability study						•
Risk Assessment & Contingency plan Risk Assessment & Register Risk Register Risk Register Risk Register Regi	_	_	Hale: Paela are lake lakel as "PPAP" and pankaged l			
The results for: Dimensional Material Testing Appearance Criteria Statistical Process Control There results and all deaving and appelituation requirements: YES NO 6*NO* Explanation Required Explanation: BECLARATION Leftical that the samples represented by this appearance representation of any probabilities and provided and results from spraified materials are representation for the spraified materials are required and the spraified materials are required production to the applicable materials are required production and are stated from spraified materials are required production to the applicable materials are required to the applicable materials and production and are required to the applicable materials are required	_					
The results are all denoted and approximate the material Testing Appearance Criteria Statistical Proposes Control Theorems and approximate and approximation requirements: Explanation: BECLARATION Lefting that the complete represented by this approximate and approxima	_					
Theorems and approximation: Explanation: Declaration Lafficults that the complex representable this warrant are representation of any parts and have been under to the applicable container. Arabination that the complex representable this warrant are representation of any parts and have been under to the applicable container. Arabination and approximation and are made from approximation from this declaration below. Deviations: Deviations: Deviations: Print USE ONLY PUR Reviewed: Date: Target Evaluation date:						
Explanation: DECLERATION Laffice that the complex representable this warrant are representative of our parts and have been add to the applicable contents of the special production to the special contents of the special production to the special contents of the special	Theread	lla far:	Dimensional Material Testing	App	pearano	e Criteria Statistical Propess Control
BECLERATION Laffice that the complex represented by this warrant are representation of our parts and bear here under to the applicable contempor drawings and approximations and are made from specified materials are regular production leading with an approalism other than the regular production processe. I have soled any desirations from this destaration below. DEVINITIONS/COMMENTS: Point Have Title Phase Ha. Supplier Authorised Signature Date PUR Reviewed: Date: Target Evaluation date:	Threere	apilla meet a	ll deaving and openification requirements:		YES	NO [16 "HO" · Emplanation Required]
Leffice that the complex represented by this worsell are represented in the particular and a profite	Explan	nation:				
PUR Reviewed: Target Evaluation date:	PECLA	BATI+8				
PUR Reviewed: Target Evaluation date:	Laffir a I	lkal lke nam	ples represented by this warrant are representation st	f oor parl		er been made in the applicable undumer
DEVIATIONS/COMMENTS: Print Hunr Tille Phase Ha. Supplier Authorized Signature PUR Reviewed: Target Evaluation date:	drawingo	and apraif	isalisma and are made from openified malerials on erg	alar prad	li l	aling will an aperalism albee than the
Print Harr Supplier Authorized Signature PUR Reviewed: Target Evaluation date:	rrqular p	,,,deslies,	enens. Lhave noted any deptations from this dentarat	ljan kelau		
PUR Reviewed: Target Evaluation date:	DEVIATI	IOHS/COM	HEHTS:			
PUR Reviewed: Target Evaluation date:	Priol Hao	-	Tille			Phase Ha.
PUR Reviewed: Date: Target Evaluation date:			Siqualare			
Target Evaluation date:		_	, A.D	USE	OHLY	
Target Evaluation date:	PUF	R Review			*****	Date:
						201.18



SORMISS	SION INF	DRMATION CHECKLIST	
Hequested	Submitted		
		Initial Inspection Results	
		Material Chemistry Certification	
		Material Mechanical Certification	
		Manufacturing Process Flow Diagram	
		Control Plan / FMEA	
		Inspection method validation (Gage R&R and/or MSA)	
		Dimensional layout results for each piece per unique cavity, data is traceable back to each part	
		Submitted parts are identified to be able to be traced to each parts unique layout data	
		Note: Parts are to be label as "PPAP" and packaged together in a way that makes them independent of any other parts.	
		30 pcs capability study	
		Risk Assessment & Contingency plan	
		CQI	

Transparency of Expectations

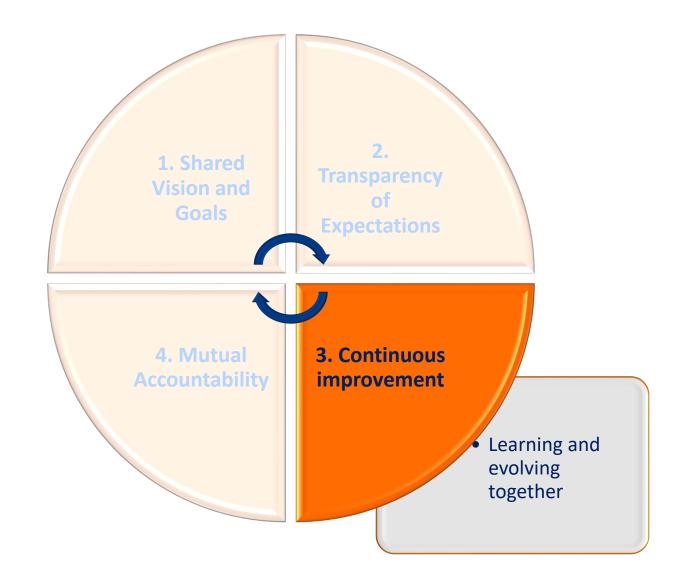


Scorecard Communication

Qua	ality				
•₽	C	Category (text)	Criteria (text)	Long	Score No Fac
	1	Standards	ISO 9001		10 🗆 10
	1	Standards	2 IATF 16949		1 🔲 1
	1	Standards	3 ISO 14001		1 🔲 1
	1	Standards	ISO 50001		1 🔲 1
	1	Standards	OHSAS 18001		✓ 1
	2	Quality of 8D-Report	Quality of 8D-Report		1 🗆 5
•	C	Category (text) Cr	Criteria (text)	Long	Score No Factor
			Communication		10 🔲 1
			Reliability		10 🔲 1
	3	Logistics general 9	Flexibility		10 🔲 1
	3	Logistics general 10	Escalation management		8 🗆 1
Pui	cha	asing			
:5	C	Category (text)	Criteria (text)	Long	Score No Fac
	5	Objects	1 NDA Agreement		10 🔲 1
	5	Objects	2 Pricing		10 🔲 1
	5	Objects	Quality Agreement /SQM (suppl.qual.man.)		10 🔲 1
	5	Objects	4 WebLabel		10 🔲 1
	5	Objects	5 CQI		10 🔲 1
	5	Objects	Business alignment to JOST		10 🗆 2
	5	Objects	7 PPAP status		10 🔲 1
	5	Objects	Annual contingency plan submitted		10 🔲 1
		,	Annual conflict material form submitted		10 🔲 1
Sup	plie	er impact			
■5	C	Category (text)	Criteria (text)	Long	Score No Fac
	5	Objects 2	Has there been a recall?		10 🔲 1
	5	Objects 3	Has there been a field action?		10 🔲 1
	5	Objects 5	Customer disruption caused by supplier		10 🔲 1

Score Soft Facts: 83				
Class	Score	Factor		
Quality	60.00	2		
Logistics	95.00	1		
Purchasing	100.00	1		
Service provid	0.00			
Supplier impact	100.00	1		





Continuous Improvement Through Supplier Development

As JOST GH's SQE, my main goal is to help our supply base be the best you can be! Supplier visits can be a great tool to help that happen.

Informal visits – I have already seen a few of you at your facilities and have learned a lot. Sometimes just a simple plant tour can reveal opportunities that can be taken advantage of to help both JOST and the supplier. A visit might be triggered by new tooling, process change, corrective action verification, or many other reasons.

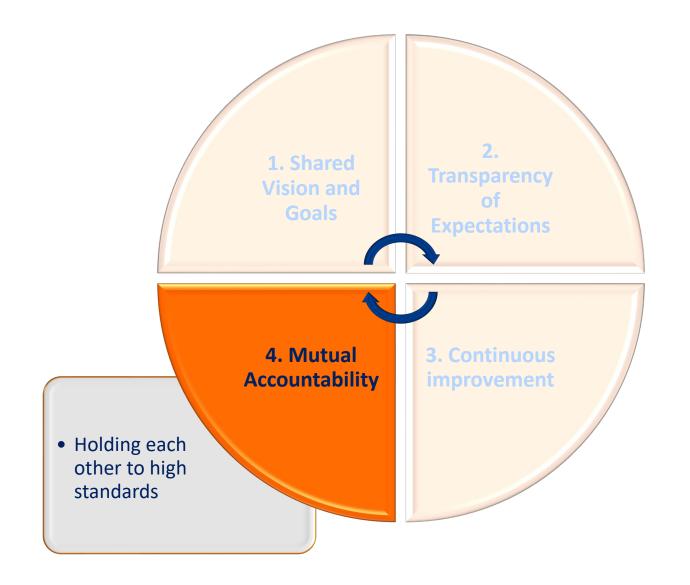
Supplier Audits – There may be a few reasons for an audit, such as a new supplier, new facility, or gap analysis. These can be a GREAT tool to identify gaps in the manufacturing process or QMS. Together, we can find opportunities for preventative measures that can reduce quality issues and increase efficiency.

In both cases, we will work together with the opportunities that we find to improve quality and partnerships. I am grateful for the opportunity to meet you, your operators, and see your process. I strive to make our visits enjoyable, effective and productive.











Mutual Accountability

JOST

- Providing a dedicated Supplier Quality Engineer to assist with the needs of JOST and our suppliers.
- Clear direction of quality and delivery expectations through drawings, communication and the JOST Supplier Quality Manual.
- Providing our customer base and the end users a world-class product that is #1 in Safety and Quality

Suppliers

- Working with the SQE and the rest of the JOST team to quickly solve quality issues when they happen; and to identify and implement preventative measures before they happen.
- On time delivery of quality products and services.

Providing our customer base and the end users a world-class product that is #1 in Safety and Quality





BREAK – 10 minutes





- CONNOR MOYNIHAN
- MARKETING MANAGER
- ➤ 10 YEARS OF MARKETING & SALES EXPERIENCE ACROSS DIFFERENT INDUSTRIES
- > 1.5 YEARS AT JOST

PRODUCT REVIEW

Products for Trailers





Landing gear products for heavy-duty commercial trucking applications



Aluminum landing gear for weight saving



Drop leg Landing gear, for gooseneck and specialty trailers.

AAR Kingpins



SAE Kingpins



Bolt in Style Kingpins



Turntables



LANDING GEAR PRODUCT LINE





- A400 Series: Standard OEM Legs
- A450 Long Trade Cycles, like Fedex Trailers
- We have over 700 landing gear deviations

Internal Gear Box





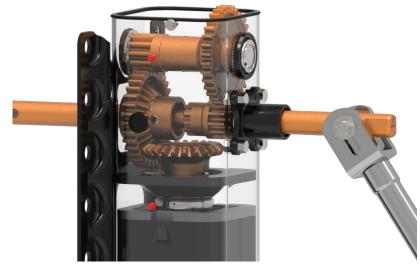


Exposed external gearbox



WHAT SETS US APART FROM COMPETITORS





5 YEARS MAINTENANCE FREE

JOST's signature internal gearbox is completely filled with lowtemperature grease to improve the lifetime performance of the product.

SIGNATURE INTERNAL GEARBOX

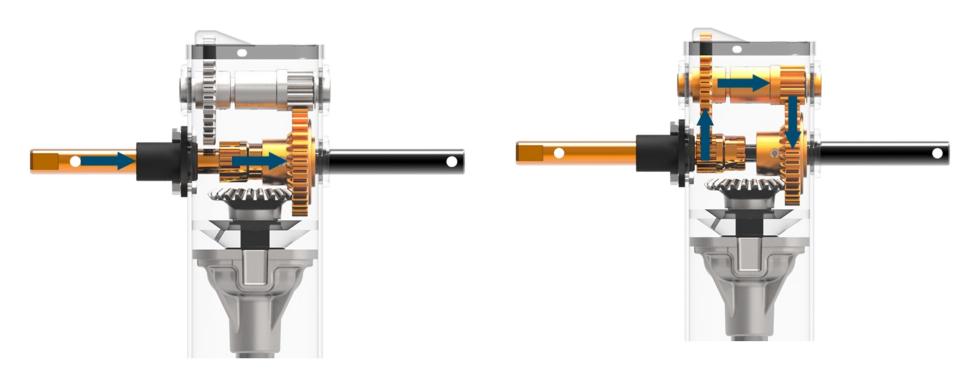
A rechargeable powder-coated grease tube fully encases elevating screw, bathing the screw in grease with every extension.

Ease of Operation

J 0 5T

Patented Gear-in-Gear technology

- Allows easy shifting between high and low gear.
- -Minimum grease to move when shifting



High Gear 3.5 Turns / Inch

Low Gear 32 Turns / Inch

PRODUCT UPGRADES





Double Cushion Foot

Tough situations call for forgiving equipment. The double cushion foot provides the forgiveness and reliability a tough environment calls for. With twice the cushion inside of the shoe, a trailer can withstand a greater impact than before, without risking damage to the landing gear.

Wear Resistant Cushion Foot

The abrasive pavement has met its match. The wear resistant cushion foot is built stronger to last longer - up to 2.5X longer. Maximizing durability with 450 HBW abrasion resistant steel, preventing wear on the bottom of the shoe.

Dual Elevation Nut

With a second elevation nut inside the leg, and the double cushion foot below, the risk of a damaged leg collapsing is controlled. The additional nut floats above the primary nut and acts as a backup.

Ergonomic & Robust Crank Handle

Designed for longevity, this handle can be powder coated or galvanized. It is also designed with a larger, ergonomic grip.

- Ideal for applications with heavy wear and tear on equipment
- Suitable for high drop-and-hook rates
- Commonly used in distribution centers
- Frequently paired with terminal tractors
- JOST products are specifically designed to withstand these conditions
- Built to combat heavy wear experienced by trailers

REMOVABLE ULTRA-LOW-PROFILE CUSHION FOOT MAXIMUM GROUND CLEARANCE, WITH REPLACABILITY

Why Upgrade?

By converting your standard or aluminum low-profile legs to the removable ultra -low-Profile option, you unlock:

- Enhanced operational flexibility in tight or lowclearance environments
- Faster turn-around on service calls and part replacements

Key Benefits

0+1" Extra Ground Clearance than standard bolt on shoe options.

Removable Design

 Fits virtually any JOST bolt-on Shoe upgrade options including, Double Cushion Foot, Wear Resistant Cushion Foot, and the Extreme Double Cushion Foot

Improved Serviceability

- OSimplified access for inspections & maintenance
- oPremium upgrade opportunity for existing fleets

Standard Bolt-On



Ground clearance limited by bolt head

Removable Ultra-Low-Profile



The Removable Ultra-Low-Profile cushion foot adds a full inch of ground clearance and a detachable design for easy maintenance—delivering rugged durability and reliable performance in any fleet application.







PRODUCT INNOVATION & FUTURE TECHNOLOGY



- **❖** JOSH LANORE
- **LEAD ENGINEER**
- 1 year at JOST
- Lead Engineer for Trailer Products at JOST, managing product development team.
- 25+ years of manufacturing and engineering experience across furniture, industrial, and automotive sectors.
- Former EngineeringManager at MichiganSpring and Stamp.

KEY TAKEAWAYS

- **COLLABORATE**
- **COMMITMENT TO QUALITY**
- *****ALIGN
- ***INNOVATION**
- ***** DRIVE PROGRESS
- LASTING PARTNERSHIP



Bringing our national suppliers together to align collaborate, and drive progress, united by a shared commitment to quality, innovation, and lasting partnership.

JOST INNOVATIONS: Current & Future



We develop smart systems, combining safety and technology.









Loc-light Sensor Wheel

Damage Proof Handle (in Development)



North American EZ Drive Automatic Landing Gear (In Development)

What Is INNOVATION TO JOST?



Definition...

Innovation is a practical implementation of ideas that result in the introduction of new goods & services, or the improvement in offering goods & services.

♦ JOST...

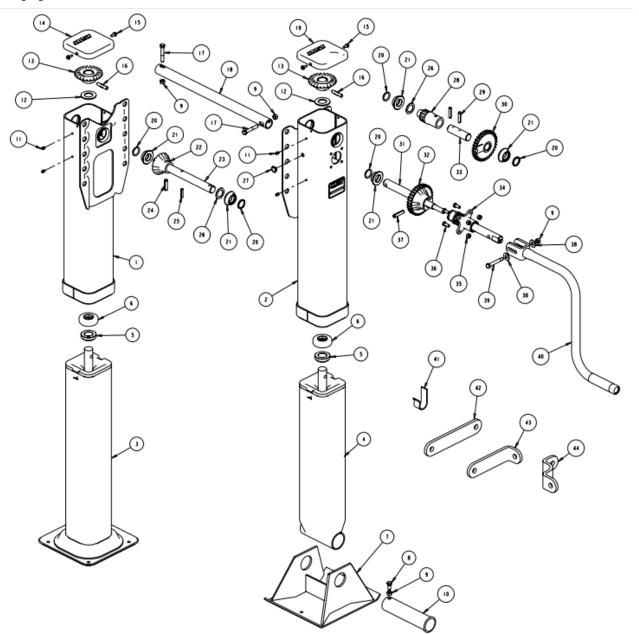
It is a distinct pathway to solving business challenges
 & gaining competitive advantages.

Suppliers...

- Supplier innovation can significantly accelerate product development cycles.
 - By actively collaborating with one another, we can improve processes and/or services together.



Supplier Contributions





- Sheet Metal
- Steel Tubing
- Ductile Iron Components
- Aluminum Extrusions
- Hardware
- Grease
- Machined Components
- Processing
- ...and much more

EZ Drive – Electronically Driven Landing Gear



JOST setting the new standard in:

Workplace safety

Ergonomics

Convenience

 Access restricted landing gear

Efficiency

 Frequent coupling and decoupling of trailers Maintains JOST tried and tested quality

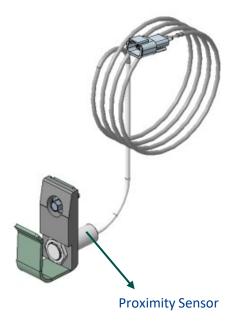




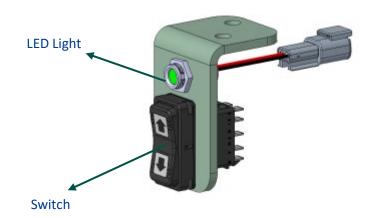


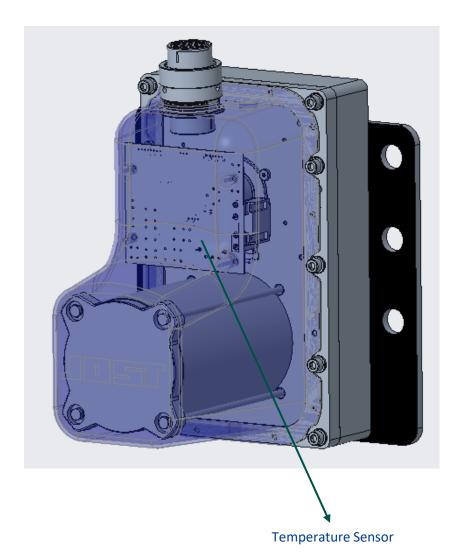
EZ Drive - Technology





- Temperature Sensors
 - Automatic switching the PCB into high amp mode for cold weather
- Single press rocker switch
 - Automatic mode
 - Manual mode
- LED retraction light
- Crank handle proximity sensor
 - Operator safety





Kingpin Serialization



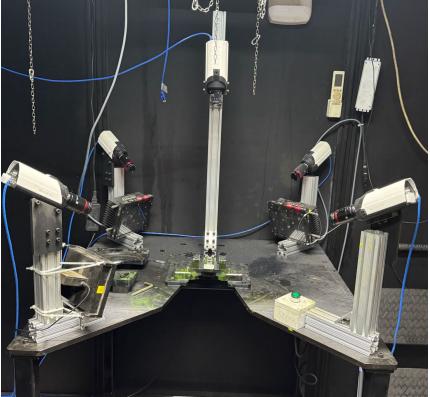
Each kingpin will have a serialized QR code etched into its surface. The QR code will trace back to each of the following:

- Material certifications
- Forging manufacturer
- JOST machining center and processes
- Hardness
- NDT Testing
 - Photos of magnetic particle inspection
 - Ultrasound inspection recording

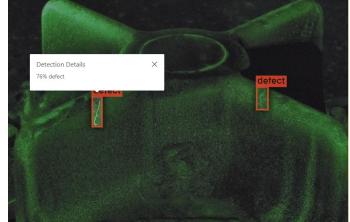


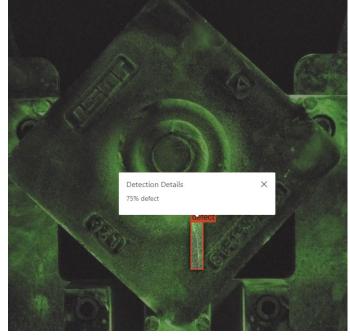
Kingpin Al Inspection

- Fully automates the NDT inspection process.
 - Removes human error from the inspection process.
 - Reducing the risk of defects reaching the customer
- Al evaluates the inspection photos for defects.
 - Then marks non-conforming parts
- Photos give traceability of magnetic particle processing.
 - Photos are then saved and connected to the serialization QR code.









KEY TAKEAWAYS

- **COLLABORATE**
- **COMMITMENT TO QUALITY**
- *****ALIGN
- ***INNOVATION**
- DRIVE PROGRESS
- ***LASTING PARTNERSHIP**



Bringing our national suppliers together to align, collaborate, and drive progress, united by a shared commitment to quality, innovation, and lasting partnership.

JOST PROGRAM MANAGEMENT



JOST is in the process of implementing a program management process to ensure timely program completion, issue follow-up/resolution and better communication to cross functional teams, suppliers

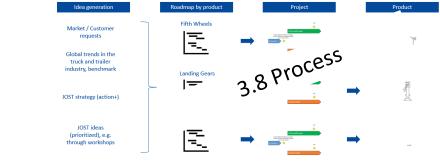
and customers.

Top Items Currently on the List:

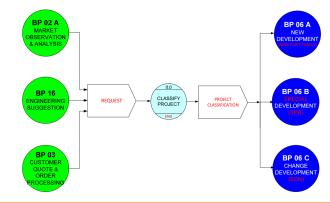
- Program Manager Hire Starting Aug 25
- Development of a Gate Review Process for all Programs O

***** Key Developments/Opportunities

- Definition of Deliverables by Phase
- Definition of Key Milestones
- > Definition of Ownership
- Cost Savings Initiatives



BASIC PROCESS 06:
DEVELOPMENT AND PRODUCT PLANNING



A structured program management process creates a win-win by aligning JOST and its suppliers on clear milestones, ownership, and expectations—ensuring faster launches, better communication, and on-time delivery of innovative products and cost savings initiatives.





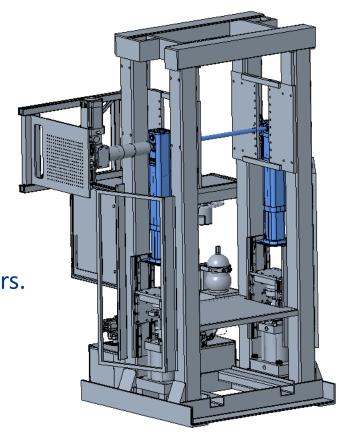
- Brian Oestreich
- **PRINCIPAL ENGINEER**
- 12 years at JOST
- Lead and mentor design teams in product design verification and product validation
- Leading test equipment upgrades & modernizing test methods
- Resident grease expert relating to Landing Gear

PRODUCT TESTING

JOST TESTING



- Why do we test?
 - Safety
 - Compliance
 - Performance
 - Consistency
 - Cost Initiatives
- But WHY do we test?
 - System level testing is the hardest to setup in a digital environment.
 - Physical testing is usually the last line of defense to protect our customers.
 - Engineers make assumptions in their calculations while setting up their models for analysis and simulations.
 - > The real world is not theory
 - Tolerances can be challenging
 - Process variation exists
 - Customer use cases, or lifespan expectations may change



"Landing gear practically sells itself, it just works!" - Braydon Soule - Director of Sales

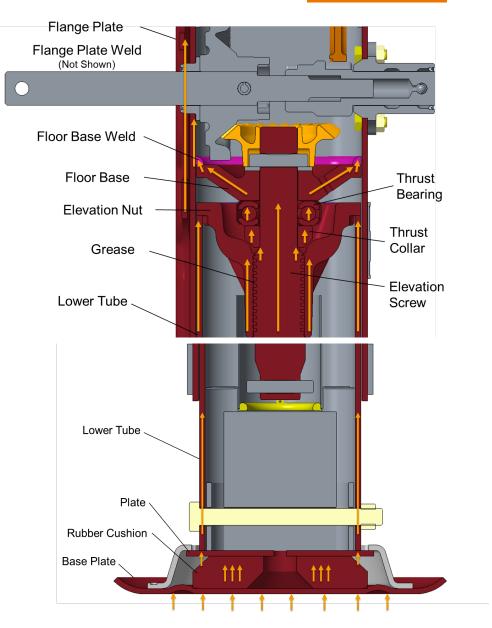
JOST TESTING: Safety Focus



- Colleagues
 - Welders
 - Assemblers
 - Forklift operators
- Truck Drivers
 - Using landing gear
- Everyone on the road
 - Trailers are everywhere
- Cargo
 - Freight damage

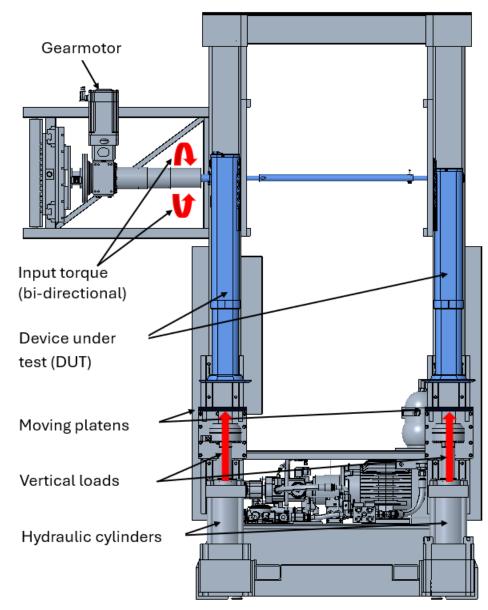






- Association of American Railroads (AAR)
 - Durability Test
 - Simulates repeated use
 - Standard load is 35,100 lb combined
 - Heavy duty load is 45,000 lb combined
 - Cycles: 20 break-in, 600 full load
 - Step A: 5" extended no load
 - ❖ Step B: 3" extended loaded
 - Step C: 3" retracted loaded
 - ❖ Step D: 5" retracted no load
 - Test duration : 1 week
 - When is this test ran?
 - New design verification
 - PPAP parts
 - Standard production sampling







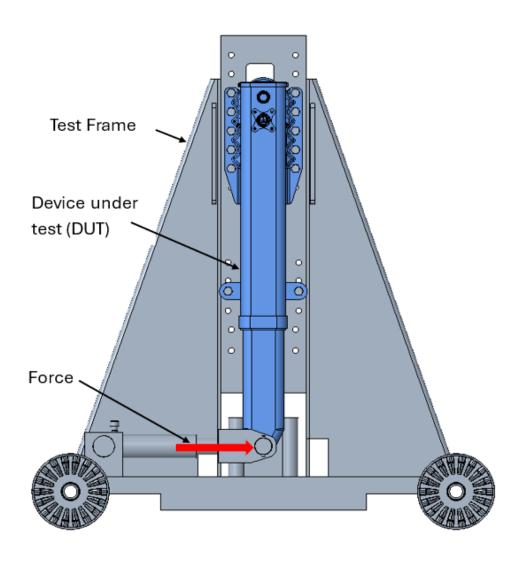
- Association of American Railroads (AAR)
 - Drop Test (Impact test)
 - Simulates impact when loading trailers onto rail cars
 - Load over landing gear: 35,100 lb
 - Cycles: 10 straight, 2 offset
 - Straight drops, both legs 3" clearance
 - ❖ 1st offset: Leg A: 3" clearance. Leg B: 6" clearance
 - ❖ 2nd offset: Leg A: 6" clearance. Leg B: 3" clearance
 - Test duration : 1 day
 - When is this test ran?
 - New design verification
 - PPAP parts (heavy emphasis on load bearing components)
 - Standard production sampling







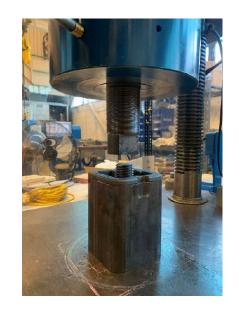
- Association of American Railroads (AAR)
- Truck Trailer Manufacturers Association (TTMA)
 - Longitudinal & Lateral Loading
 - Simulates bending forces on the leg
 - AAR: Lower leg extended 14.5" from upper leg
 - TTMA: Lower leg fully extended from upper leg
 - Load: 13,000 lb minimum
 - Torque to retract: Less than 50 ft-lb
 - Test Duration: 1 day
 - When is this test ran?
 - New design verification
 - PPAP parts (heavy emphasis on Tubing & Screw stock)
 - Standard production sampling



JOST TESTING: Component

- Internal validation
 - 1. Elevation nut taken to failure in compression
 - 2. Grease evaluated for torques at low temperatures
 - 3. Floor base deflection
 - 4. Salt spray testing of grease tubes
 - 5. Field testing: New shoe design











JOST TESTING: Case Study





JOST TESTING: Case Study



View highlights:

- Road is crowned because of the railroad tracks
- Assumption: Tractor was not able to move

Observations:

- > Trailer nose doesn't drop down after the tractor is impacted
- Trailer landing gear not retracted far enough
- Dragging the landing gear may have been enough to lift the rear duals limiting traction

Potential Root Causes:

- Operator didn't feel it was necessary to retract the legs all the way
- Landing gear was compromised NOT ALLOWING it to be fully retracted

***** Takeaway:

Everyone in this room has a role to play in the latter option, let's work together to ensure that the product just works.





- **ARMIN HAGENLOCH**
- Plant Manager
- > 3 month with JOST
- 30+ years in automotive and truck supplier industry (Sales, Engineering, Operations, and Plant Management)

PLANT TOUR

JOST Grand Haven – Plant Tour – Visitor Safety



- > Wear a visitor safety vest (yellow)
- > Always stay with your JOST host (blue)

Your safety is our priority.



➤ Wear PPE:

- Safety glasses,
- Hearing protection,
- Safety shoes with steel toes



JOST Grand Haven – Plant Tour – Visitor Safety



- > No photos or videos in production area
- > Follow all safety signs and instructions



- > Stay on the marked walkways unless your host guides you differently
- > Be careful of Hi-Lo traffic

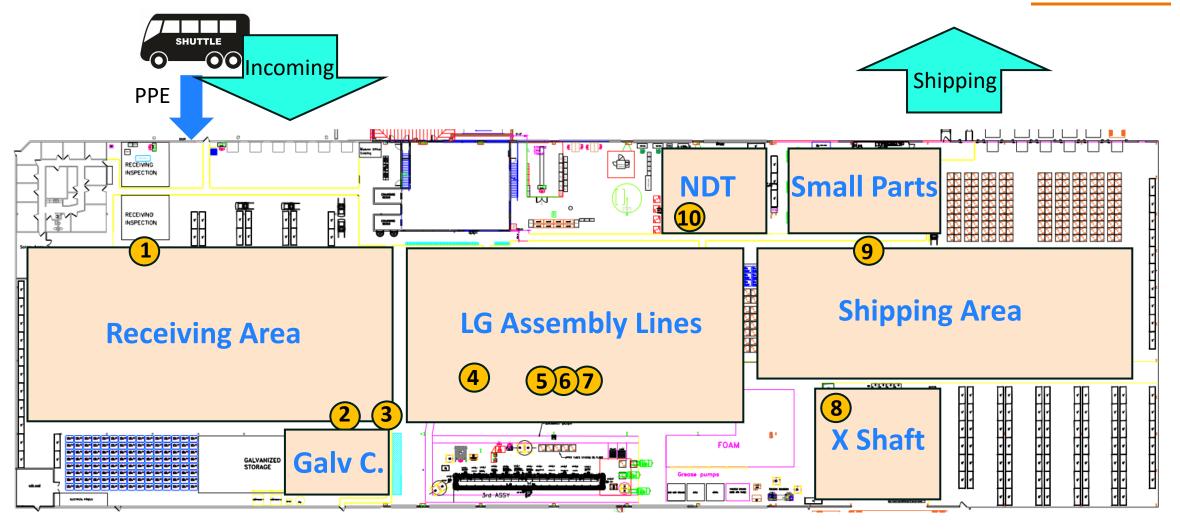


In case of an emergency, follow your host to the evacuation gathering point

Your safety is our priority.

JOST Grand Haven – Plant Tour 172nd street





Enjoy your tour and stay safe!





PURCHASING STRATEGY
NANCY JOHNSON, PURCHASING MANAGER

KEY TAKEAWAYS

- **COLLABORATE**
- **COMMITMENT TO QUALITY**
- *****ALIGN
- ***INNOVATION**
- ***** DRIVE PROGRESS
- LASTING PARTNERSHIP



Bringing our national suppliers together to align, collaborate, and drive progress, united by a shared commitment to quality, innovation, and lasting partnership.

PURCHASING EXPECTATIONS & SUPPLIER COLLABORATION



Ensuring Success Through

Communication

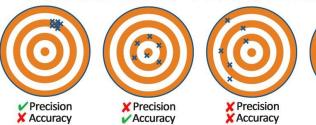


Precision and Accuracy

PRECISION VS ACCURACY

✓ Precision

✓ Accuracy



Cost Efficiency









SPEED

COST

OUR PURCHASING PRIOROTIES



ON-TIME DELIVERY



CORRECT ORDER QUANTITIES



COST SAVINGS AND INNOVATION



RESPONSIVENESS AND COMMUNICATION



FLEXIBILE/AGILE APPROACH



ON TIME DELIVERY AND ORDER ACCURACY

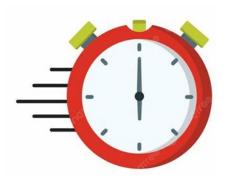


EXPECTATION: 100% ON-TIME DELIVERY

❖ TARGET: <2% VARIANCE IN DELIVERY WINDOWS

❖ CORRECT QUANTITIES: NO SHORT SHIPS OR OVERAGES

CHRONIC MISSES - SUPPLIER SCORECARDS





COST SAVINGS AND INNOVATION



OFFER ALTERNATE MATERIALS

- Lower Cost Material
- Lightweight Material
- Over-Engineered Parts



- Examples:
 - Switching from Custom to Standard Parts
 - Lean Packaging
 - Regional Sourcing for Logistics Reduction



COST SAVINGS AND INNOVATION - CONTINUED







CONDUCT CROSS-FUNCTIONAL WORKSHOPS

- > VA/VE Workshops
- Technology

3% ANNUAL PRICE REDUCTIONS

- Escalation Process
- JOST needs to remain competitive in the marketplace
 - Suppliers need to support

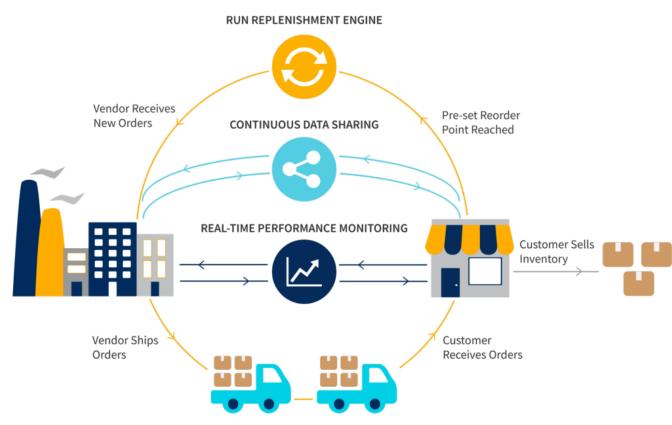
SAFETY STOCK AND LONG LEAD TIME PLANNING



- SAFETY STOCK AGREEMENTS ARE A NECESSECITY
 - **Especially for:**
 - Electronic components
 - Custom steel parts
 - □ Proposed Terms: Example: 8 weeks minimum on-hand stock

- VENDOR MANAGED INVENTORY PROGRAMS
 - Need more participation

FLEXIBILITY – WE NEED FLEXIBILITY



COMMUNICATION EXPECTATIONS









- > Let us know:
 - Changes in Lead Times
 - Plant Shutdowns
 - Personnel Changes









SETUP LUNCH AND LEARN SESSIONS

BE PROACTIVE - NOT REACTIVE



COMMUNICATE DELAYS IMEDIATELY.

SHARE BAD NEWS EARLY TO ENABLE PLANNING.

* TRACK AND NOTIFY OF POTENTIAL MATERIAL OR LABOR SHORTAGES.



REQUIRED ANNUAL DOCUMENTATION





QUALITY MANUAL UPDATES:

Due annually, must be signed & returned by deadline.

CONFLICT MINERALS DECLARATIONS:

Completed, signed, and submitted by deadline.

SUPPLIER SCORECARD

YOUR SCORE IS BASED ON:

- Delivery
- > Order Accuracy 💠
- **Responsiveness**
- > Cost Competitiveness
- > Document Compliance





Score Soft Facts: 78

Class	Score	Factor	
Quality	73.33	2	Г
Logistics	85.00	1	Г
Purchasing	90.00	1	Г
Service provider	0.00		Г
Supplier impact	70.00	1	Г

iality		
Category (text)	Cr	Criteria (text)
Standards	1	ISO 9001

	1	Standards	1	ISO 9001
i	1	Standards	2	IATF 16949
I	1	Standards	3	ISO 14001
I	1	Standards	4	ISO 50001
I	1	Standards	5	OHSAS 18001
ĺ	2	Quality of 8D-Report	6	Quality of 8D-Report

Logistics

C	Category (text)	Cr	Criteria (text)
3	Logistics general	7	Communication
3	Logistics general	8	Reliability
3	Logistics general	9	Flexibility
3	Logistics general	10	Escalation management

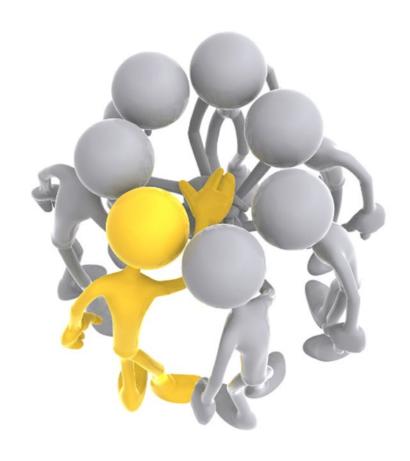
Purchasing

C	Category (text)	Cr	Criteria (text)
5	Objects	1	NDA Agreement
5	Objects	2	Pricing
5	Objects	3	Quality Agreement /SQM (suppl.qual.man.)
5	Objects	4	WebLabel
5	Objects	5	CQI
5	Objects	6	Business alignment to JOST
5	Objects	7	PPAP status
5	Objects	8	Annual contingency plan submitted
5	Objects	9	Annual conflict material form submitted

FINAL EXPECTATIONS

JOST

- **✓** Be Proactive
- **✓** Deliver On-Time and In Full
- **✓** Offer Cost-Saving Ideas
- **✓** Maintain Safety Stock
- **✓** Be Flexible
- Respond to Requests Promptly
- Submit Required Documents On Time
- **Communicate Openly**







- ADAM BENNETT
- DIRECTOR OF SALES, MATROID
- 10+ years in industrial automation and computer vision, with expertise in defect detection, visual analytics, and Al-driven solutions.
- Director of Enterprise Sales at Matroid, helping manufacturers apply AI-based vision for smarter, faster decision-making.
- Former Product Manager at ifm, leading strategy for 2D/3D vision and RFID technologies across automotive and logistics markets.

MATROID ARTIFICAL INTELLIGENCE (AI)



Automated Visual Inspection & Traceability

by Adam Bennett

01. Matroid

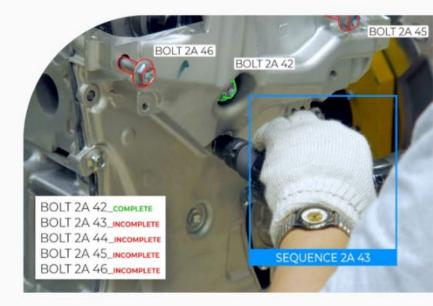
About Matroid

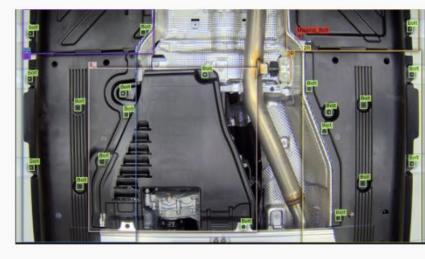
- Founded by influential leader in the machine-learning & deep-learning community
 - o Reza Zadeh, est. 2016
 - Professor at Stanford
 - Co-author of SparkML
 - Founding member of **Databricks**





- Purpose is to empower domain experts in manufacturing
 - From cutting edge ML research to productionized capabilities for manufacturing
 - End-to-end Computer Vision platform complimenting operations, planning, HSE, security teams, and more.
 - Al for visual data current or new camera infrastructure
 - Build, deploy, and manage adaptable solutions







Trusted By USG Agencies

Global Manufacturing















02. Matroid @ JOST

Objectives

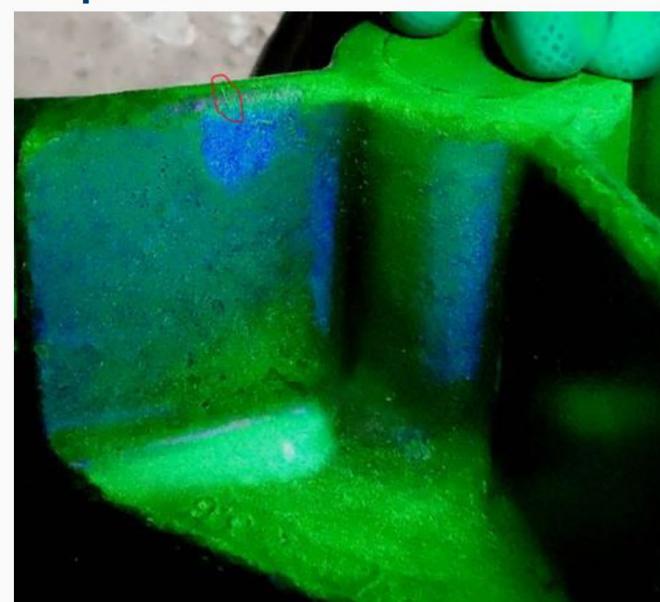
- Defect prevention
- Digital traceability of quality records
- Automation of a manual inspection / assembly verification processes
- Accuracy detections as good as (or better than) human
- Consistency Matroid detectors don't tire!
- Time savings avoid rework by catching mis-assemblies earlier
- Reliability need to be able to continue operations under various failure modes

03. Kingpin

Kingpin Magnetic Particle Inspection

- 100% Inspection
- 360° Inspection
- All product variations
- Component serialization
 & traceability



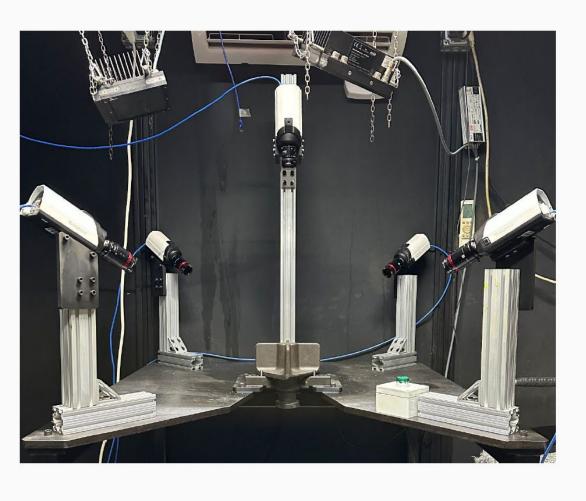


Kingpin Magnetic Particle Inspection

- Evaluation of operations
- Calculations to maximize pixels on target
- Detector to find cracks on any kingpin & inspect every kingpin
 - Two labels
 - Kingpin Any kingpin type
 - Defect Cracks across all critical surfaces

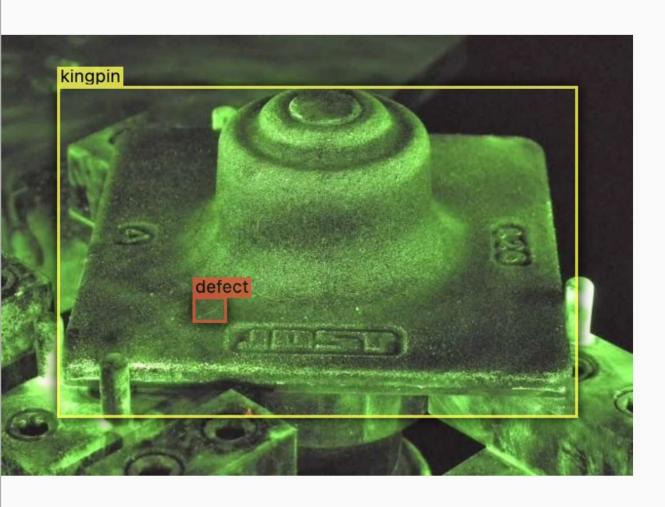
- (2) Unacceptable indications are defined as:
 - a. Any longitudinal indication exceeding .3 Inches in length
 - b. Any circumferential indication
 - c. Any longitudinal indication with a curved tail greater than .12 inches in length
 - d. Multiple linear indications separated by a distance less than .3 inches
 - e. Any indication that appears to have depth

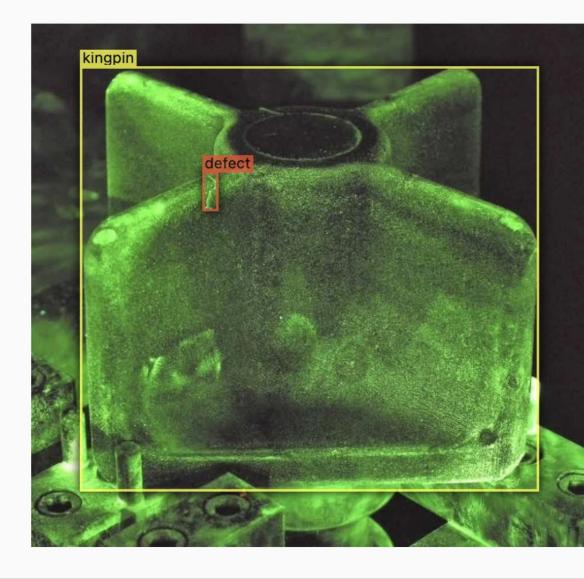
Camera Placement & Image Formation





Kingpin Inspection





How

Technical design:

- High resolution Matroid cameras
- High resolution lenses
- Light filtering
- Custom fixture
- "Pull from Source" button

Integration:

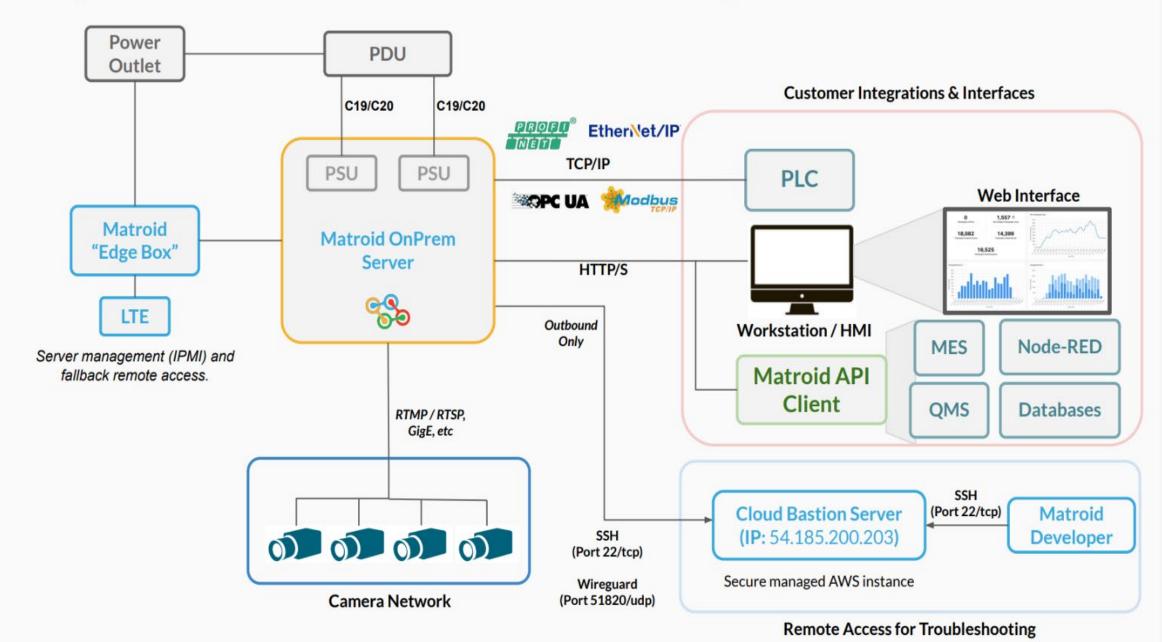
- JOST / IGear
- Serialization to component level







Sample Architecture - Manufacturing





Thank You!

by Adam Bennett





JOST PANEL DISCUSSION NANCY JOHNSON MODERATOR W/JENS, RANDY, & JOSH L.

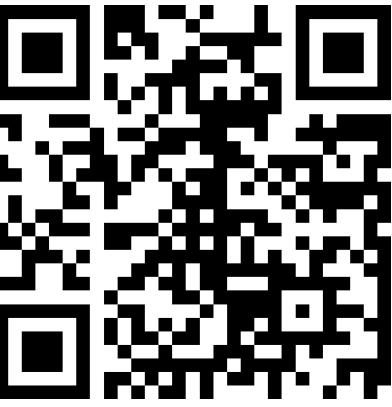
PANEL DISCUSSION QUESTIONS & ANSWERS - Slido QR CODE







Sslido





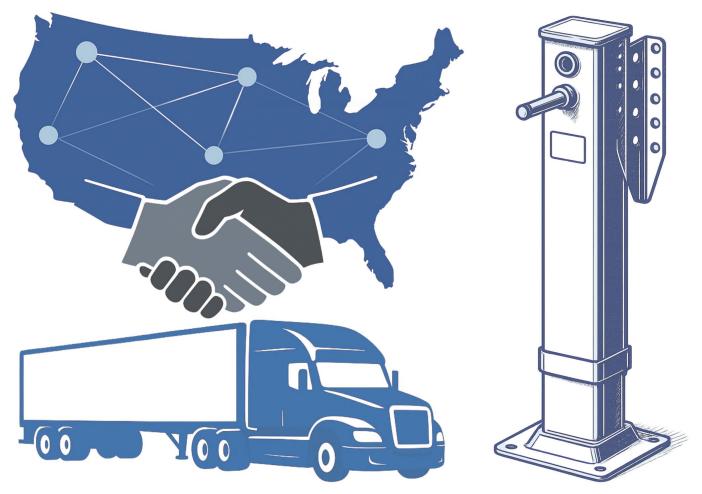


SUPPLIER AWARDS NANCY JOHNSON, PURCHASING MANAGER

2024 "Supplier of the Year" Awards







Thank You For Making 2024 a Successful Year!

2024 SUPPLIER OF THE YEAR FOR SUB-CONTRACTING PARTNERSHIP



GRAND HAVEN POWDER COATING

RANDY LAMSE - OPERATIONS MANAGER

- Supplier has shown customer focus and dedication for JOST by having a One-day turn around time for JOST Products.
- While supporting our demand with on-time delivery and quality products, supplier has partnered with JOST and has committed to prioritizing JOST needs with consistent and outstanding outcomes.
- Works and communicates well with the Supplier Quality.

2024 SUPPLIER OF THE YEAR FOR CUSTOMER SERVICE



FORGE PRECISION VAN KAY - PESIDENT

- Supplier has demonstrated outstanding customer service by being available to JOST at any time including weekends.
- Supplier honors requests to change purchase orders without hassle & has never let JOST run out of parts.
- Supplier is easy to work with and gets the job done!

2024 SUPPLIER OF THE YEAR FOR STRATEGIC PARTNERSHIP NOVA STEEL



TOM STEARNS – CORPORATE VP, BRUNO MORAES – ASST GENERAL MANAGER, JEFF HUNT – DIRECTOR OF BUSINESS DEVELOPMENT

- Supplies one of the most critical items to JOST Steel lower tubes. Lower tubes are one of the highest volume and largest components of our landing gear.
- They support JIT by having inventory on hand with the capability to change direction quickly. They have never missed a delivery truly amazing based on the rapidly changing needs of our customers.
- Supplier does an outstanding job of delivering the correct parts when needed, they currently ship more than a truckload of parts everyday.

2024 SUPPLIER OF THE YEAR FOR COLLABORATION



CMA

RICK COX – PRESIDENT, MIKE AYERS – MATERIAL PLANNER

JIM PLATT - SUPPLY CHAIN MGR & OPERATIONS SUPPORT MGR

- This Supplier has demonstrated a commitment to providing JOST Un-wavering attention to OTD, Quality, New Projects and Customer Satisfaction.
- Supplier capabilities & diversity allows them the ability to supply a wide array of components.
- Located less than a mile from both JOST facilities allows for JIT delivery, reduced inventory and reduced freight costs.
- Always willing to work through difficult situations & able to find pragmatic solution to problems.

2024 SUPPLIER OF THE YEAR FOR COST MANAGEMENT & VALUE



QUALITY TOOL & STAMPING

MIKE KUZNAR - GENERAL MANAGER

- **Customer service with order acknowledgements are ALWAYS reliable**
- Supplier has been awarded new business by quoting and keeping prices lower, while maintaining quality expectations.
- This Supplier works will with JOST Supplier Quality team to provide any records or information needed.

2024 SUPPLIER OF THE YEAR FOR VMI PARTNERSHIP



HI-TECH FASTENERS

CORY NEWMAN - PRESIDENT, MATT MULDER, OUTSIDE SALES

- Supplier does an amazing job monitoring and maintaining our inventory.
- They provide on-time deliveries once to twice a week every week based on our real time usage of parts.
- Supplier has proven time and time again that if we need to expedite parts, they will have parts to us same day.
- Suppliers VMI program allows us to keep our production flexible and build exactly what our customers want and need while keeping our on-hand inventory low.





NETWORKING, WRAP-UP, CLOSING REMARKS, & SURVEY

NANCY JOHNSON, PURCHASING MANAGER

KEY TAKEAWAYS RECAP

- COLLABORATE
- **COMMITMENT TO QUALITY**
- *****ALIGN
- **❖ INNOVATION**
- DRIVE PROGRESS
- LASTING PARTNERSHIP



shared commitment to quality, innovation, and lasting partnership.

SUPPLIER CONFERENCE FEEDBACK HubSpot SURVEY

KEEP

A GREAT WAY TO
KICK OFF ANY
ACTION PLAN. IT
FOCUSES ON WHAT
WE SHOULD START
DOING OR
CONTINUE DOING
TO ACHIEVE OUR
GOALS.

STOP

THAT HAVE A

NEGATIVE IMPACT
OR ARE NO LONGER
EFFECTIVE. IT CAN
HELP STREAMLNE
PROCESSES AND
ELIMINATE
ANYTHING THAT IS
NOT WORKING

CHANGE/ MODIFY

FOCUSES ON WHAT
IS GOING WELL AND
SUSTAINING THOSE
SUCCESSES. HELPS
YOU THINK OF
PRACTICAL AND
CREATIVE WAYS TO
KEEP DOING THINGS
ALREADY WORKING
— CONTINUOUS
IMPROVEMENT.





