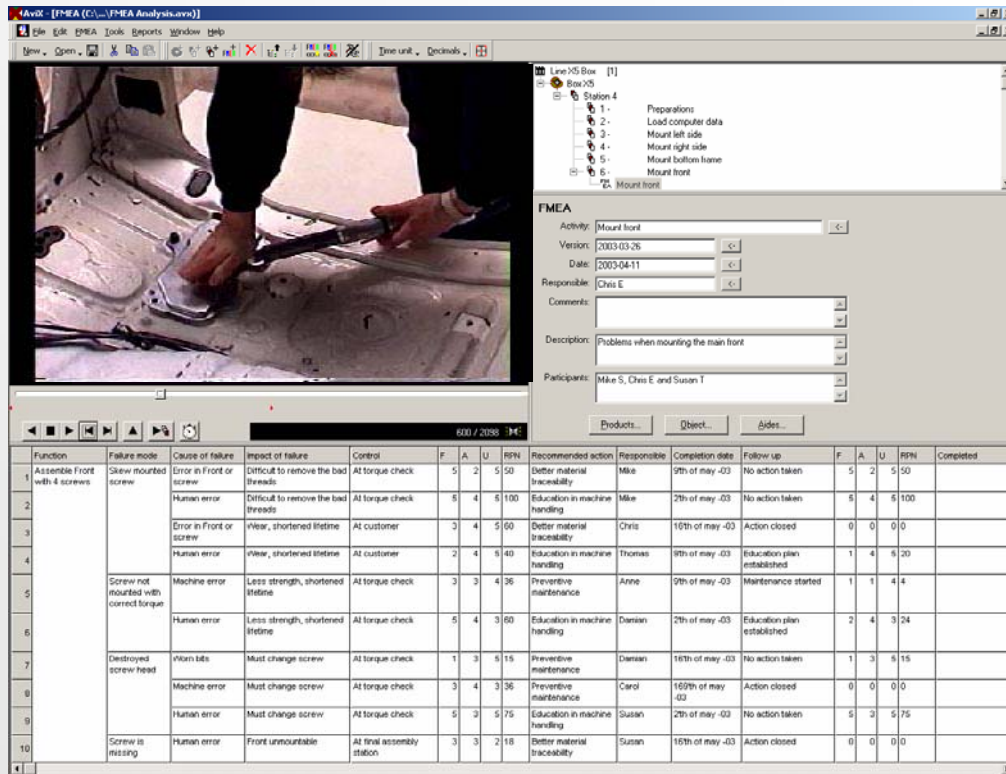


AviX FMEA



Work smart with FMEA

AviX FMEA (Failure Mode and Effect Analysis) is a self-contained programming tool or add-on to AviX Method. This tool makes it easy to analyze by process or product.

Reduce analyzing time

Connecting FMEA to AviX Method reduces analysis work considerably. Going through the well-documented FMEA process is quick and easy.

Design
Process
Products

Evaluate several products simultaneously

When several products pass through the same process, only one FMEA analysis is necessary.

Reliability
analysis

Visualize your FMEA

Video footage is linked to each FMEA analysis for powerful feedback. The video is important for communication, documentation and presentation.

RPN by process or

Risk
analysis

products linked to the
Risk Priority Number
process or product.



USA. • +1 (800) 939-6076 • Europe • +46 70 734 38 30
info@prologia.net • www.prologia.net

Modern technology

Use the latest technology for state of the art production. Our software tools support the work of production engineers.

Areas of usage

- Identify potential process errors
- Identify potential design related production errors
- Identify how certain errors impact customers
- Provide criterion for prioritization of design and process improvements
- Provides new ideas for future improvements

Users

- Industrial Engineers
- Production Planners
- Quality control
- R/D Engineering

People involvement

For group work, video-based documentation clearly highlights areas of optimal efficiency.

Quality control failures can be discussed during meetings.

Reporting

- All analyzing reports can be printed by process and product.
- Activity reports include the names of responsible people.

Activity: Mount front	
Sequence: Mount front	No:
Version: 2003-03-26	Date: 2003-04-11
Responsible: Chris E	

Analysis - FMEA

Function	Failure mode	Cause of failure	Impact of failure	Control	F	A	U	RPN
Assemble Front with 4 screws	Screw inserted wrong	Error in Front or screw	Difficult to remove the bad threads	At torque check	5	2	5	50
		Human error	Difficult to remove the bad threads	At torque check	5	4	5	100
		Error in Front or screw	Wear, shortened lifetime	At customer	3	4	5	60
		Human error	Wear, shortened lifetime	At customer	2	4	5	40
	Screw not tightened with correct torque	Machinist error	Less strength, shortened lifetime	At torque check	3	3	4	36
		Human error	Less strength, shortened lifetime	At torque check	5	4	3	60
Total FMEA					5	12	5	72
Activity: Mount front					3	3	5	72
Cause: Mount front					3	3	5	72
Effect: Mount front					2	3	5	72
Control: Mount front					2	3	5	72

Activity: Mount front		No:
Sequence: Mount front		No:
Version: 2003-03-26		Date: 2003-04-11
Responsible: Chris E		

Action report - FMEA

[illegible]

Activity: Mount front		No:	
Sequence: Mount front		Date: 2003-04-11	
Version: 2003-03-26			
Responsible: Chris E			

Evaluation- & Decision form - FMEA

F	A	U	RPN
1 Very small probability that a failure occurs	1 No impact on product	1 The failure will be discovered	1-1740 action
2 Small probability that a failure occurs	2 The failure will not impact on product function	2 The failure will probably be discovered	6-183 Measures should be taken
3 Some probability that a failure occurs	3 Risk for impact on product function	3 The failure may be discovered	19-35 Measures should be taken as soon as p
4 High probability that a failure occurs (1)	4 No product function	4 The failure will probably not be discovered	36-62 Measures required with high priority
5 Very high probability that a failure occurs	5 Failure that can affect personal safety	5 The failure will not be discovered	63-121 Immediate action



PO Box 340, Hockessin, DE 19707 Phone: (610) 268-8185 Cell: (484) 716-9464 Fax: (610) 268-0693

Info@prologia.net www.prologia.net



USA. • +1 (800) 939-6076 • Europe • +46 70 734 38 30
info@prologia.net • www.prologia.net