

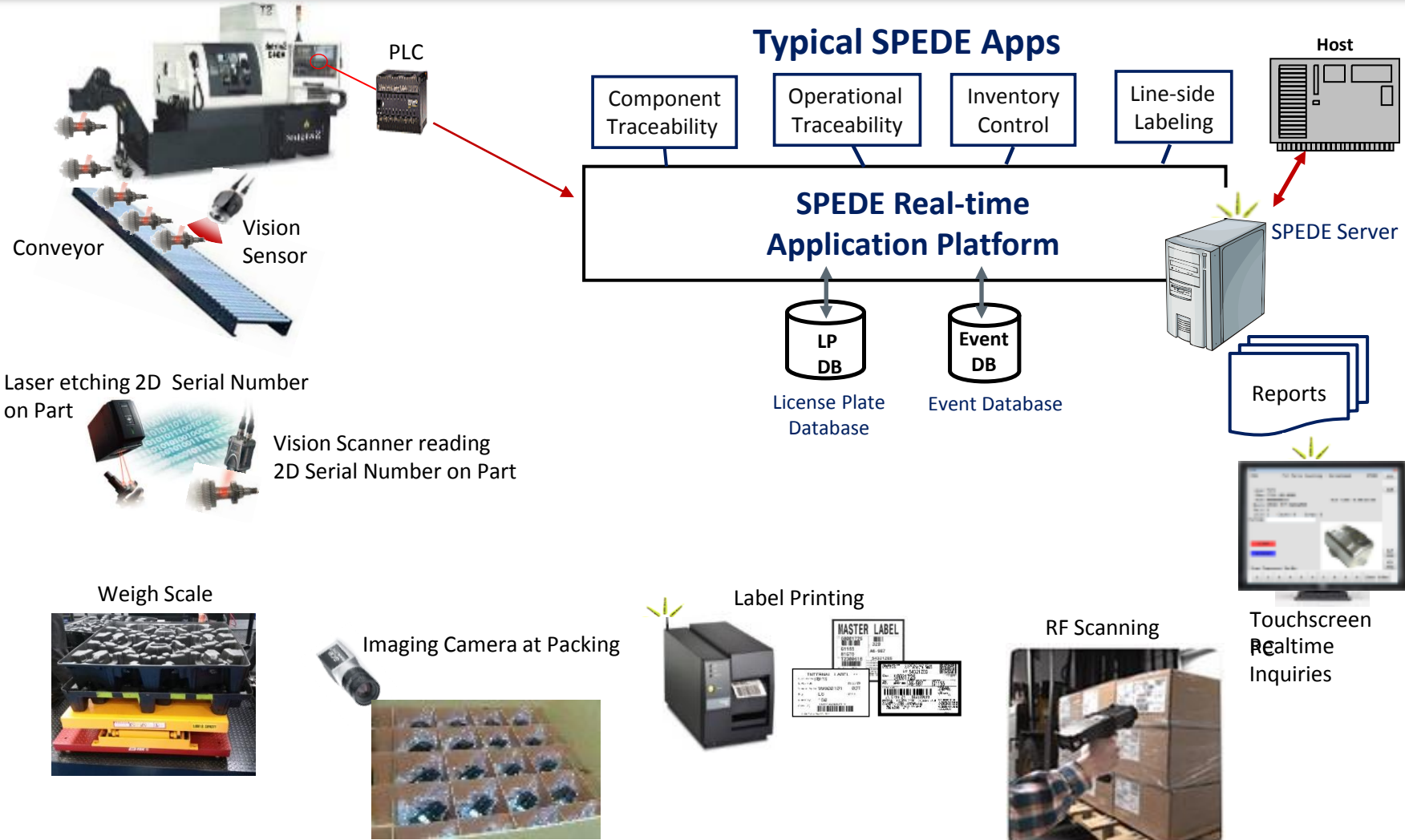
SPEDE 20/20 Platform Apps and Interfaces

Automating Production Area Processes to Improve:

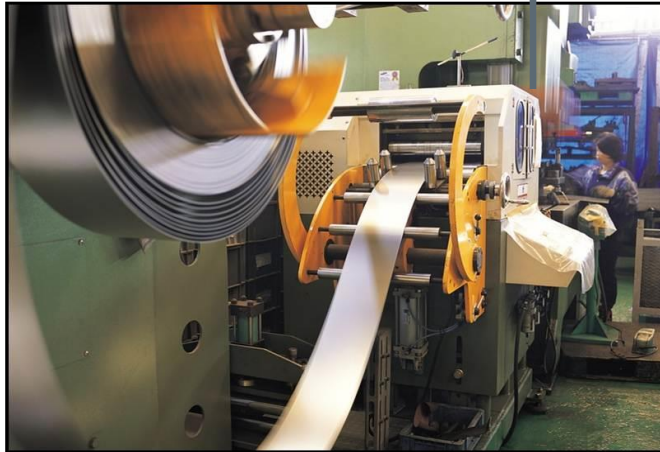
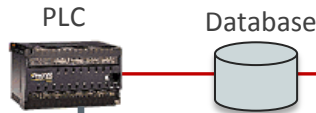
- Quality
- Efficiency
- Visibility



SPEDE Platform Apps and Interfaces



Supervisory Reporting & Analytics



Typical Production Data stored in DB:

- Part Number
- Operator Nbr
- Shift, Date, Time
- WO Nbr
- Lot Nbr
- Machine Cycles, Cycle Timestamp
- Part Count: Good, Scrap, Re-work
- Machine Stats & Metrics, etc.

Sample Manufacturing Metrics Report

SPEDE Data and Crystal Reports

- SPEDE provided or
- Customer created

	OEE %	Earned DL Hrs	Actual DL Hrs	Net Var.	Labor Prdvtv %	Mach. Util %	F.G. Scrap %	In-Proc. Scrap %
All Department Total(s)	83.4%	853	1,013	(160)	84.2%	87.8%	2.0%	1.0%
<u>Total Parts</u>	<u>Good Parts</u>	<u>Scrap Parts</u>	<u>Available Time</u>	<u>Unscheduled Down Time</u>	<u>Machine Hours Worked</u>	<u>Actual Downtime Hours</u>	<u>Earned Machine Hours</u>	
28,304	27,583	721	261	20.05	228.42	66.02	223.53	
<u>Actual Man Hours</u>	<u>Man Hour Downtime</u>		<u>(S) Finished Scrap \$</u>	<u>(SM) Misc Scrap \$</u>	<u>(I) In-Proc Scrap \$</u>	<u>Total Scrap \$</u>		
770	242		\$4,035.74	(\$59.51)	\$2,076.35	\$6,052.58		
	<u>Utilization %</u>		<u>Good Part %</u>		<u>Machine Efficiency %</u>		<u>Total Production \$</u>	
OEE Factors:	87.8%	*	97.5%	*	97.4%		\$205,285.19	

	OEE %	Earned DL Hrs	Actual DL Hrs	Net Var.	Labor Prdvtv %	Mach. Util %	F.G. Scrap %	In-Proc. Scrap %
5515 VALPO-SUBARU CARPET CELL 5	95.2%	141	168	(27)	83.8%	82.3%	0.6%	0.2%
<u>Total Pa</u>	<u>Good</u>	<u>Scrap Parts</u>	<u>Available Time</u>	<u>Unscheduled Down Time</u>	<u>Machine Hours Worked</u>	<u>Actual Downtime Hours</u>	<u>Earned Machine Hours</u>	
8	Crankshaft	5	21	2.92	17.28	6.72	20.11	
<u>Actual Man Hours</u>	<u>Man Hour Downtime</u>		<u>Shift Count</u>	<u>(S) Finished Scrap \$</u>	<u>(SM) Misc Scrap \$</u>	<u>(I) In-Proc Scrap \$</u>	<u>Total Scrap \$</u>	
121	47		3.00	\$253.62	\$0.00	\$108.44	\$362.06	
	<u>Utilization %</u>		<u>Good Part %</u>		<u>Machine Efficiency %</u>		<u>Total Production \$</u>	
OEE Factors:	82.3%	*	99.4%	*	116.4%		\$44,890.02	

Meet a Few SPEDE Customers...



SPEDE Manufacturing Technology Solutions

To Get More Information -

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