

THOGUS PRODUCTS

GETTING THE MOST OUT OF ENTERPRISE RESOURCE PLANNING WITH DELMIAWORKS ERP

Case Study



Thogus Products implemented the DELMIAWorks enterprise resource planning (ERP) system to better leverage its operational data and improve its competitiveness as a custom plastic injection-molder and contract manufacturer as its business focus evolves from automotive parts to different types of parts of increasing complexity from many different industries.

Challenge:

Leverage an enterprise resource planning (ERP) system to improve access to and availability of critical business and production operational data, boost productivity, reduce data storage costs, and support growth in the face of a changing business environment.

Solution:

Implement the DELMIAWorks ERP system, including the following modules: ERP, Quality Management, Document Control, Forecasting, Tooling Management, Preventive Maintenance (MRO—Maintenance, Repair, Overhaul), RealTime Production Monitoring, and Warehouse Management.

Results:

- Reduced data storage costs by 50 percent
- Improved inventory accuracy and visibility
- Streamlined, standardized, and simplified processes
- Made financial reporting more accurate

Founded in 1950, Thogus Products Company is an established, family-owned, custom plastic injection-molder and contract manufacturer headquartered in Avon Lake, Ohio. The company provides complete end-to-end solutions; operates 24 hours a day, seven days a week; and offers just-in-time deliveries. With its customer-first focus, Thogus is committed to creating lasting partnerships with clients and supply chain partners, and serves customers in a variety of industries.

Known for its injection-molding expertise, Thogus helps clients choose the right types of plastic for their products, make tooling and mold transfer decisions, and even manufacture custom fittings when necessary. The company also produces their own proprietary line of plastic tube and hose fittings for low pressure applications. No matter the plastic injection-molding application, Thogus has seen them all and can quickly identify the best product solution. For example, products in the medical, automotive, and electronics industries often require high-volume runs with tight tolerances and high strength, making plastic injection molding an ideal solution.

According to Director of Finance Alois Chasko, Thogus' business focus has changed from automotive parts, with the emphasis on products, to a service and technology focus with a widely diverse product mix. "We're no longer a shoot-and-ship company like we were in the past, and are now running many different types of parts of increasing complexity from many different industries," Chasko explains.

To deal with its changing business focus, boost productivity, address growing data storage costs, and improve its competitiveness, Thogus sought to better leverage its operational data by implementing the DELMIAWorks® enterprise resource planning (ERP) system from Dassault Systèmes in 2021, including the following modules: ERP, Quality Management, Document Control, Forecasting, Tooling Management, Preventive Maintenance (MRO—Maintenance, Repair, Overhaul), RealTime Production Monitoring, and Warehouse Management. Thogus chose DELMIAWorks ERP because it is specifically designed for injection molding, machining, production, and manufacturing-services-based enterprises, providing accurate information on inventories and production operations as well as business and financial information.



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DELMIAWorks implementation, this information was inadequate, preventing quick adjustments while issues are happening. In today's volatile materials environment, it's imperative that we catch purchase price variances as they occur and adjust pricing when necessary to maintain profit margins. We can now drill down to see exactly what's happening with materials flow and job progress, enabling efficient operations and a sustainable growth platform."

— Alois Chasko, Director of Finance

"We've seen tighter time lines over the past five years, which means we no longer have any wiggle room and must be as efficient as possible," Chasko points out. "Our previous data system was never used properly and many of our employees had their own workaround processes that added unnecessary data to our ERP database, which had become bloated in size and was creating unnecessary storage expenses at our data center. We sought to eliminate waste and simplify our processes by implementing the DELMIAWorks ERP system, making use of the system mandatory for everyone, and training everyone on how to use it."

Work Item Number	Description	Parts to Go	Hrs To Go	Floor Dispo	Last Cycle	STD Cycle	AVG Cycle	Act Cav	Std Cav	UpHrs	DwnHrs	Downtime Description	Mfg#	Priority
A01 5112	BEZEL	16200	44.55		08:30:02	Screw P	8/29/2022	2	2	0.00	6.04	Screw Pull	5112	****SP***D
A05 4535-673-92271	SHIELD EXIT PORT	-4	-0.06		12:02:52	DOWN -	8/29/2022	1	1	2.70	3.29		4535-673-92271 RM-382	
A06 6016266	WIRING OFFSET CLU	28556	16.55	10500	16.771		16.00	16.69	8	8	5.92	0.08	6016266	
B01 TP9555/P	POLY BARBED TEE	10407	14.75	5000	20.381		20.00	20.41	4	4	6.04	0.00	TP9555/P	
B03 003470	G2RI5-3 RETAINING	155344	47.49	15000	17.613		17.20	17.61	16	16	6.04	0.00	003470	Due Date
C03 313361	DS-7 Blue DSP 1.5"	340299	195.51	10584	20.475		23.68	24.82	12	12	6.04	0.00	313361-1137 RM-644	
C04 TA101212/N	NYLON ADAPTER	5106	4.22	9000	23.876		24.50	23.79	8	8	6.00	0.00	TA101212/N	
C05 TA101616/N	NYLON ADAPTER	7237	24.21	2000	24.096		24.00	24.09	2	2	5.93	0.03	TA101616/N	
D01 720538	Tube and Connects	6698	18.78	1800	43.336		60.05	40.37	4	4	4.37	1.49	720538-T	
D02 101993	BODY CARTRIDGE G	31670	55.07	3564	24.97		25.20	25.04	4	4	6.04	0.00	101993 REV A8.4 CAV	Due Date
D03 111437	MOUNTING BRACK	38286	63.64	3304	47.874		49.00	47.87	8	8	5.77	0.08	111437	
E02 71211K	2110-SSP-10" PLAST	1141	15.73	480	49.611		50.00	49.62	1	1	6.04	0.00	71211K	
E04 030-087.R	STOCK 2016 W/4" B	2197	119.39		07:00:05	No Pack	8/29/2022	1	1	0.00	6.04	No Packaging Materia	030-087.R	
E06 124159	LINER/VoP	15902	71.91	1600	32.539		32.50	32.56	2	2	6.04	0.00	124159 RM-138	
E07 123121	Lid with Seal & Plug	2728	20.79	-80	54.743		54.00	54.88	2	2	6.04	0.00	123121 REV A-2 (D.2)	****SP Com
E08 129822	LID & CAP ASY/200	50651	227.75	480	64.725		64.80	64.75	4	4	3.36	2.87	129822-BX	
E09 140929	Knob Asm Explorat	300	1.52		08:41:52	Job Pre	8/29/2022	2	2	0.00	6.04	Job Preparation	140929 SAMPLE	T2, ECO H
E10 128857	SHELL & LINER ASS	9295	102.79	720	79.638		81.70	79.62	2	2	6.04	0.00	128857 RM-625	
E11 M021447	Lid 10" x 6" Clear	3935	23.05	480	42.218		60.00	42.23	2	2	4.48	1.33	M021447	
E12 23185MDK	Linus Soap Can Op	551	14.59	88	95.346		91.20	95.38	1	1	2.87	0.03	23185MDK-M1	
E13 02236MDK	Linus Front Dip Bin	180	4.70	8	60.577		51.16	94.02	1	1	0.49	5.26	02236MDK-M2	
E14 03779MD8ST	Linus Bath Bins 12	413	7.31		63.759		66.70	63.84	1	1	0.01	5.96	03779MD8ST-M4	
E15 21997MD8ST	Linus Bath Bin 10 x	4345	55.03	432	45.538		50.70	45.55	1	1	5.72	0.00	21997MD8ST-M8	

With DELMIAWorks ERP, Thogus management has real-time insights into all of the company's manufacturing operations, providing access to accurate, reliable information, so it can make the right business, staffing, and scheduling decisions.

ELIMINATING BLOATED STORAGE COSTS

Since implementing DELMIAWorks ERP, Thogus has reduced the size of its ERP database by 90 percent, cut data storage costs by 50 percent, and eliminated monthly data storage overage fees. "Our data had become quite bloated with our previous system because everyone had their own processes for using it, many of which added unnecessary data," Chasko explains. "For example, an employee would write on a sales order, scan the order in, and email it back to him or herself, and then enter it into the system, adding the email and scanned image data to the database."

"After doing this type of thing repeatedly, along with other employees with their own processes, our database grew to 120 GB," Chasko adds. "With DELMIAWorks ERP, our database is just 2 GB because it doesn't contain any extraneous data."

ACCESS TO RELIABLE INFORMATION

In addition to bloating Thogus' database, improper use of the previous systems resulted in data corruption and errors. "Management needs access to accurate, reliable information in order to make the right business, staffing, and scheduling decisions," stresses IT Manager Mark Szuminski. "The information in our previous system was not as reliable as we needed it to be and that was beginning to negatively affect production, which is why we decided to implement DELMIAWorks."

Effective employee training on using the new DELMIAWorks ERP system was crucial to ensuring the reliability of data moving forward, according to Accounting Manager Nancy Stack. "The internet-based training [IBT] that was mandatory for our employees was critically important in making the DELMIAWorks implementation a success because it was new and a change from what they were used to. Employees initially were saying, 'That's not how the old system worked,' but after the training, they saw how DELMIAWorks would help them do their jobs more effectively and help the company grow."



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— Nancy Stack, Accounting Manager

PRIMED FOR BUSINESS GROWTH AND AGILITY

With the DELMIAWorks ERP system up and running, Thogus is better positioned for business growth through more efficient operations. "We're serving customers in many different industries, dealing with shorter lead times, and facing greater competition, all of which combine to put pressure on our profit margins," Chasko notes. "To deal with these challenges, we had to revamp our ERP system in order to become more efficient, gain greater visibility into our operations, and continue along our growth tangent."

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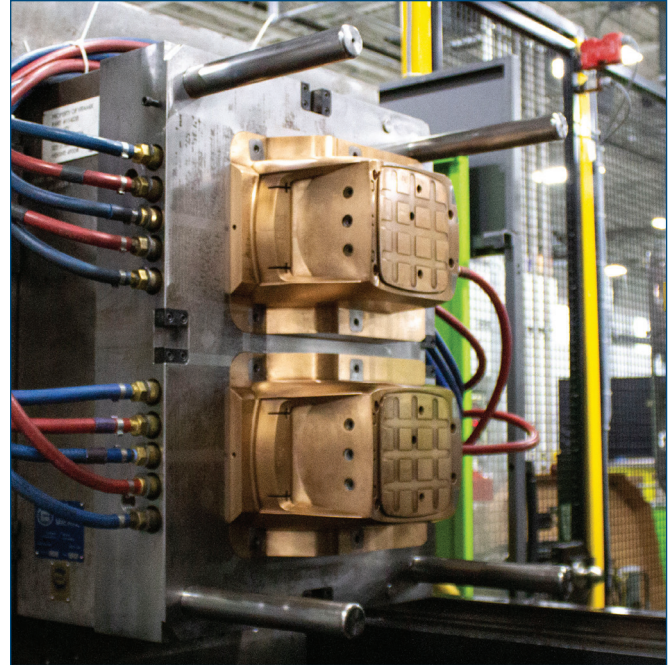


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Focus on Thogus Products

VAR: SWYFT Solutions, Allendale, MI, USA

Headquarters: 33490 Pin Oak Parkway
Avon Lake, OH 44012
USA

Phone: +1 440 933 8850

For more information

www.thogus.com

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175 Wyman Street
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02451-1223
USA

Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes K.K.
ThinkPark Tower
2-1-1 Osaki, Shinagawa-ku,
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