



## LEVERAGING 3D CAD FILES FOR DOCUMENTATION IMPROVES PRODUCTIVITY BY 83%, TIME-TO-MARKET BY 25%

Al-jon, a best-in-class manufacturer of scrap processing and solid waste equipment, uses Autodesk Inventor to design new products. Inventor has allowed Al-jon to enjoy a significant improvement in engineering efficiency, resulting in an increase in the complexity and number of products ready for downstream documentation. In past documentation efforts, Al-jon was able to maintain a process of tedious translations between CAD formats, excel databases and high-resolution images. Various authoring tools were required to translate, illustrate, tabulate data, document and finally publish. Today, however, the pace of engineering has shifted the time-to-market bottleneck downstream to the documentation effort.



The aggressive delivery schedule of a recent product, prompted Al-jon to consider alternatives. The manual for this product was estimated to be 300 pages and was due in 3 months. Kelly is responsible for the delivery of the parts manual. By implementing QuadriSpace, the tedious multi-step, multi-program process was simplified to a single program. **A typical section of the manual used to take 3 people 3 days to complete, now Al-jon can accomplish the same effort in 6 hours with only 2 documenters, an 83% efficiency improvement.**

Kelly sums it up, “By using QuadriSpace, we are able to quick turn our product manuals and meet the aggressive deadlines required to stay competitive. The overall documentation effort will be completed at least 25% sooner.”

ALJON SECTION 9 • AIR & LIGHTS		SECTION 9 • AIR & LIGHTS		
BRAKE LINES AND FITTINGS ASSEMBLY		BRAKE LINES AND FITTINGS ASSEMBLY		
		ITEM	PART NO   PART NAME   QTY	
		1	018-26730 FITTING, OEMP AIR W/38 COMP.	1
		2	018-26731 FITTING, OEMP 50 AIR W/38 COMP.	1
		3	059-21100 ADAPTER, 12MP-12MP	1
		4	090-25104 ADAPTER, OEMP, OEPF, 90 STREET	2
		5	23074300 ADAPTER, OEMP, JES 3/4-20	6
		6	23074500 TANK, 2500 CU IN AIR BRAKE	1
		7	23345800 VALVE, TRAILER AIR	1
		8	23345900 PBYCOCK, 1/4" HEAVY DUTY	1
		9	23346000 ADAPTER, OEMP, PLUG	3
		10	23346100 ADAPTER, 12 MP, PLUG	1
		11	23346300 ADAPTER, OEPF, OEMP, OEPF, TEE, BRASS	2
		12	074-24317 NUT, LOCK 5/16-18 GR5	1
		13	074-24318 BOLT, HEX 5/16 X 1 GR5	1
		14	074-24330 WASHER, FLAT 5/16 GR5	1
		15	002-25184 ADAPTER, OEMP, OEPF, 50	4
		16	23074500 HOSE, 65 SAE 3/402-28" LG	4
17	20704300 HOSE, 65 SAE 3/402-180" LG	2		