Executive Presentation

Executive Summary

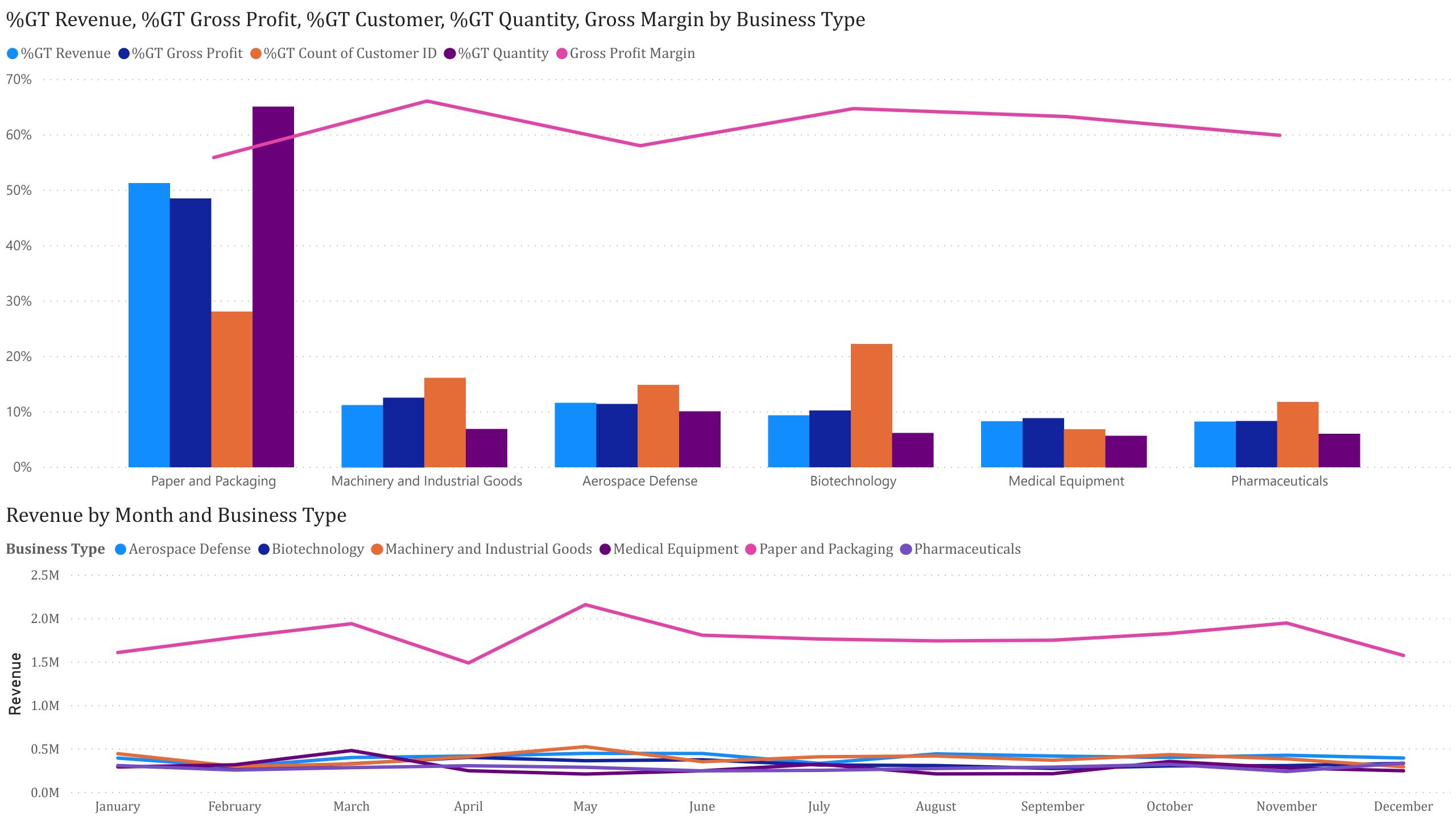


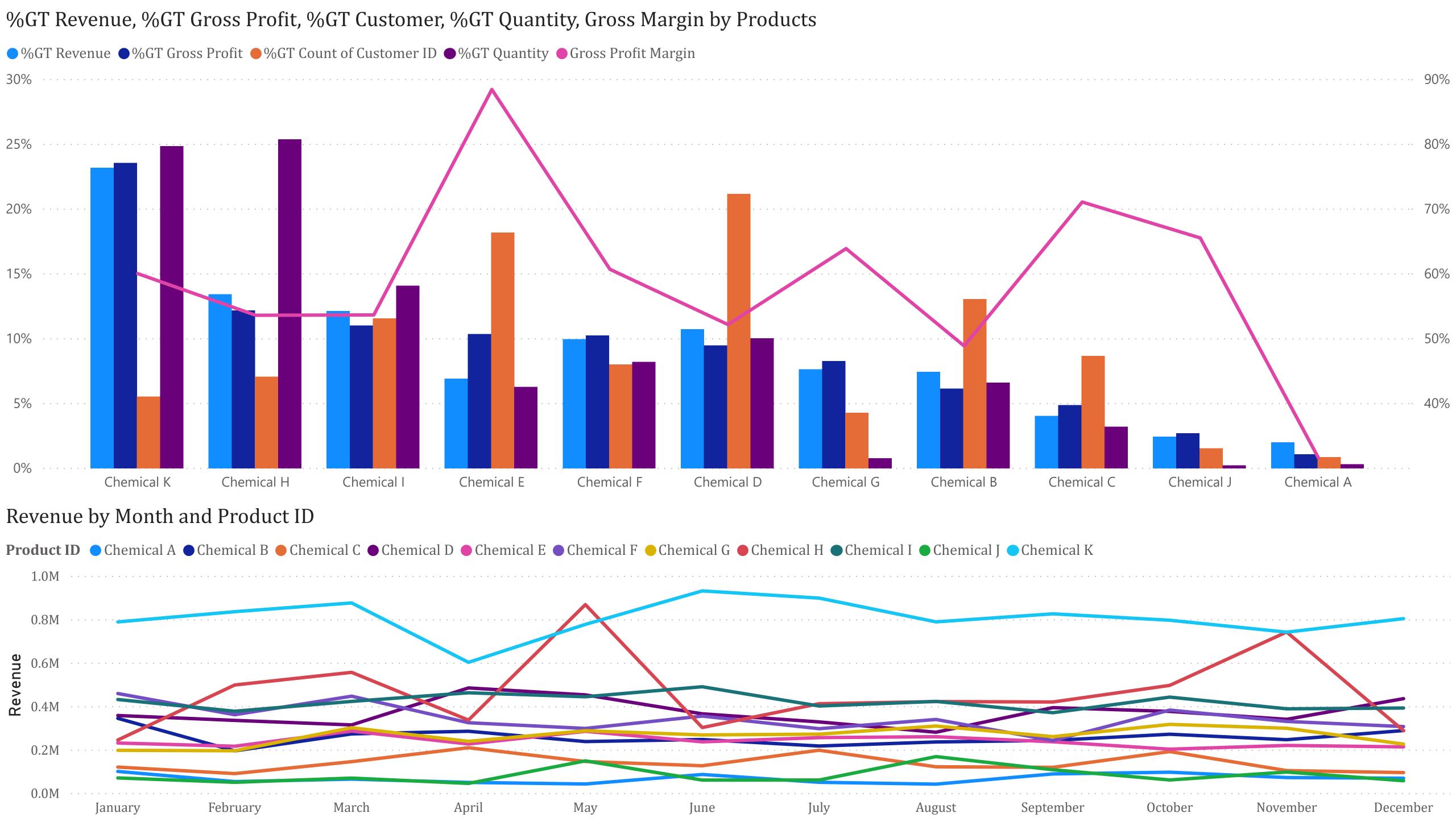
To address the loss of customers due to increasing competition and protect the existing market share, we performed analysis over transaction data and market data for year 2015 in the following three areas:

- 1. Markets/industries
- 2. Products
- 3. Divestment and its revenue impact

and have the following summary:

We should consider divest the worst product performer **chemical A** and the worst performing industry **Pharmaceuticals** and reinvest the money in the product with the highest gross profit margin - **chemical E** and the industry with the highest gross profit margin and biggest market, namely **Machinery and Industrial Goods.** The conservative estimation of the divestment impact on revenue is additional **\$4.5 million.**





Gross Profit by Business Type & Product

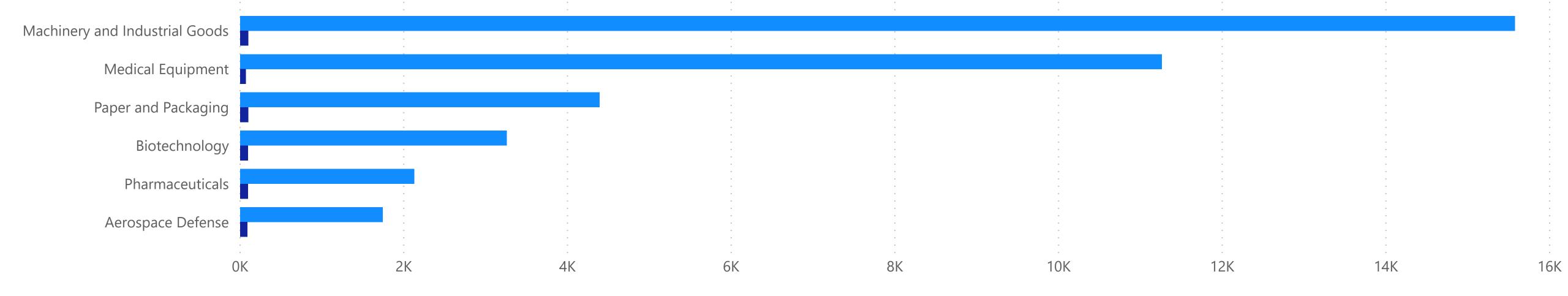
Business Type	Chemical A	Chemical B	Chemical C	Chemical D	Chemical E	Chemical F	Chemical G	Chemical H	Chemical I	Chemical J	Chemical K	Total 🔻
Paper and Packaging	\$142,596	\$7,031	\$19,976	\$24,998	\$20,569	\$165,255	\$51,145	\$2,979,937	\$2,628,136	\$135,643	\$5,807,402	\$11,982,689
Machinery and Industrial Goods	\$75,771	\$355,653	\$333,160	\$446,097	\$379,821	\$772,872	\$299,143	\$5,724	\$62,586	\$374,712	\$94	\$3,105,634
Aerospace Defense	\$18,750	\$257,399	\$213,468	\$572,528	\$759,938	\$447,447	\$508,441	\$3,462	\$7,029	\$27,518	\$736	\$2,816,715
Biotechnology	\$3,756	\$264,515	\$115,670	\$679,023	\$781,155	\$36,649	\$598,433	\$7,918	\$14,237	\$19,952	\$12,191	\$2,533,500
Medical Equipment	\$15,932	\$197,069	\$333,922	\$269,635	\$219,116	\$851,422	\$226,994	\$404	\$7,035	\$71,403		\$2,192,930
Pharmaceuticals	\$9,035	\$439,009	\$186,421	\$351,398	\$399,995	\$257,488	\$359,494	\$12,277	\$2,853	\$40,942	\$10	\$2,058,922
Total	\$265,840	\$1,520,677	\$1,202,619	\$2,343,678	\$2,560,593	\$2,531,134	\$2,043,649	\$3,009,723	\$2,721,876	\$670,169	\$5,820,433	\$24,690,390

Gross Profit Margin by Business Type & Product

Business Type	Chemical A	Chemical B	Chemical C	Chemical D	Chemical E	Chemical F	Chemical G	Chemical H	Chemical I	Chemical J	Chemical K	Total ▼
Machinery and Industrial Goods	57%	57%	75%	55%	90%	66%	65%	76%	57%	72%	87%	66%
Biotechnology	48%	48%	70%	56%	89%	63%	62%	82%	69%	57%	79%	65%
Medical Equipment	23%	54%	78%	64%	91%	58%	67%	52%	61%	60%		63%
Pharmaceuticals	31%	48%	69%	53%	89%	58%	63%	85%	60%	58%	56%	60%
Aerospace Defense	33%	40%	61%	43%	86%	62%	65%	76%	55%	58%	76%	58%
Paper and Packaging	26%	43%	68%	57%	90%	55%	66%	53%	54%	59%	60%	56%
Total	32%	49%	71%	52%	88%	61%	64%	54%	54%	66%	60%	59 %

Number of Business in the Market vs Number of Customers by Business Type





Assumption:

Row Labels ₹ Average of GM %

- 1. 2016 sales are consistent with 2015 (before divestment)
- 2. chemical E and industry Machinery and industrial Goods demand are not yet saturated in 2016.

Chemical A	32%	\$573,881	\$839,721	=A Cost/(1-E GM%)	=New E Rev- A Rev			
Chemical E	88%	\$333,630	\$2,894,222	\$4,978,389	\$4,138,668			
	Column Labels	r						
	Machinery and Industrial Goods	i		Pharmaceuticals				
Row Labels -	Average of GM %	Sum of Cost (total)	Sum of Revenue (total)	Average of GM %	Sum of Cost (total)	Sum of Revenue (total)	Move from Phar to Mach Rev	Net Extra Revenue
Chemical B	57%	\$263,714	\$619,368	489	% \$484,832	\$923,841	\$1,138,691	\$214,850
Chemical C	75%	6 \$110,313	\$443,473	699	% \$84,079	\$270,500	\$338,011	\$67,510
Chemical D	55%	\$362,906	\$809,003	539	% \$310,608	\$662,005	\$692,418	\$30,412
Chemical E	90%	6 \$44,498	\$424,319	899	% \$47,309	\$447,304	\$451,126	\$3,823
Chemical F	66%	\$399,834	\$1,172,707	589	% \$186,204	\$443,692	\$546,132	\$102,440
Chemical G	65%	6 \$158,833	\$457,976	639	% \$209,819	\$569,314	\$604,989	\$35,675
Chemical H	76%	\$1,811	\$7,535	859	% \$2,114	\$14,391	\$8,794	(\$5,597)
Chemical I	57%	\$46,446	\$109,031	609	% \$1,873	\$4,727	\$4,397	(\$329)
Chemical J	729	§146,338	\$521,050	589	% \$29,395	\$70,337	\$104,664	\$34,327
Chemical K	879	6 \$14	\$109	569	% \$8	\$18	\$61	\$43
						Total	\$3,889,282	\$483,154

Sum of Cost (total) Sum of Revenue (total) Move from A to E Revenue Net Extra Revenue

If all Pharmaceuticals costs spend on Chemical E in Marchinery and Industrial Goods

\$9,526,665

Disadvantage:

^{1.} Too risky for putting all reinvestments in one product.

^{2.} Might exceeds current Chemical E production capacity resulting in extra costs in machine purchases, labor or maintanance.

Conclusion:



Markets/Industries:

- 1. **Paper and Packaging** has the most revenue (\$21.4M) and gross profit (\$12.0M) while having the smallest gross profit margin (56%).
- 2. **Pharmaceuticals** has the least revenue (\$3.4M) and gross profit (\$2.1M) while its gross profit margin (60%) ranks 4th among the 6 industries.
- 3. **Machinery and Industrial Goods** has the third most revenue (\$4.7M) and second most gross profit (\$3.1M) while its gross profit margin ranks 1st (66%).

Products:

- 1. chemical K has the most revenue (\$9.7M) and gross profit (\$5.8M).
- 2. chemical E has the highest profit margin (88%).
- 3. chemical A ranks the last for revenue (\$0.8M), gross profit (\$0.3M) and gross margin (32%).

Divestment:

- 1. Since **chemical A** and **Pharmaceuticals** performed the worst in product and industry respectively, we should consider divest them and put the money saved in **Machinery and Industrial Goods** which has the highest gross profit margin and most business (potential customers) in the market as well as in **chemical E** which has the highest gross profit margin.
- 2. If we clean up chemical A in 2016 and spend the money saved on chemical E, it will bring us additional \$4 million revenue. At the same time, If we clean up industry Pharmaceuticals and spend the money saved on Machinery and Industrial Goods (proportionately on each related products except A), we will have another half million as additional revenue, assuming 2016 sales are consistent with 2015 with chemical E and industry Machinery and industrial Goods demand are not saturated.