

Make/Buy or Vendor Selection

Decision to be made: Make or buy

Date: 09/23/10

Product: Part 234-4B in Espiral

Criterion	Wt	Make	Vendor 1 Allied	Vendor 2 Barns	Vendor 3 Crane
Low development cost	5	2	3	2	4
Low product cost	22	4	2	3	4
High product life cost stability	2	5	3	4	4
Low development lead time	7	3	2	4	2
Low order lead time	11	3	2	5	1
High product quality	14	2	3	3	2
Good product support	6	1	4	2	3
Easy to change product	8	3	5	5	4
Strong IP control	18	4	2	4	2
Good control of order volumes	5	4	1	2	4
Good control of supply chain	2	4	4	2	2
Total		35	31	36	32
Weighted total		3.2	2.56	3.47	2.79

Rationale: Choose Barns as it is significantly better than the others in weighted total and has no great weakness.

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The Mechanical Design Process
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