

COMPUTER KEYBOARD

1. INTRODUCTION

This is the most common data entry device for computers. As with the growth of computers and their application in the country, the requirement of quality keyboards have also multiplied and there is ample scope for good products.

2. RAW MATERIALS

ICs and semiconductor devices, resistors, capacitors, PCB, keys and switches, cables and chords, mounting plate and housing case etc.

3. MANUFACTURING PROCESS

There are two subsystem assemblies involved, namely the electronic subassembly and the mechanical subassembly. PCBs are used to assemble the electronic components as per circuit design and then tested for performance. Mounting of keys and switches on the base plate comprise the mechanical assembly portion. The two subassemblies are then integrated and the whole unit is encased in an appropriate plastic casing.

4. MANPOWER REQUIREMENT : 7 Nos

5. PROJECT COST

A. Fixed Capital

	Rs.
Land & Building	Rented
Plant & Machinery	2,20,000
	2,20,000

B. Working Capital (per month)

Raw Material & Packing	2,50,000
Utilities	2,500
Salary & wages	17,000
Other expenses	15,000
	2,84,500
Total (A+B)	5,04,500

6. COST OF PRODUCTION / ANNUM

7.

Raw materials etc. (per annum)	34,14,000
Depreciation on machinery	26,000
Interest on investment	1,29,000
Total	35,69,000

PROFITABILITY

Sales turnover	40,00,000
Operating expenses	35,69,000
Annual profit	4,31,000
Percentage of profit on investment / sales	40%

Market potential :

Considering the growth and demand of micro and personal computers in the country, there will be a good demand for computer key boards in the country and also for exports. The major requirement of computer key boards by the computer industry is presently met by small scale sector. It is estimated that more than 80% of production of computer key boards is in the SSI sector.

Annual Production capacity : Rs. 40,00,000/-

List of Plant, Machinery & equipment :

- 1 Small bench drilling machine
Testing equipments
- 2 Computer
- 3 Oscilloscope
- 4 D.C. Power supply
- 5 Digital multimeter
- 6 Testing jig