

CONTENT

CHAPTER NO.

ABSTRACT

PAGE NO.

A bench saw or table saw has long been used for wood works and metal works, it can be used with a variety of blades to achieve various fabrication applications like cutting polishing dust cleaning. Table saw's consists of electric motor that are used to drive rotating saw blades.

Our system demonstrates fabrication of bench saw using mini bench saw model that uses an electric motor with a shaft to mount various blades and achieve efficient cutting. We use an arm with spring mounted pullback system when pressure is not applied. The machine has a frame bed with a cavity parallel to the blade in order to achieve full cutting when blade passes through the work piece.

The entire system is integrated and fabricated accordingly to achieve required mechanism.

Keywords: motor , Battery, saw blades.

1	Abstract	3
2	Introduction	4
3	Components	18
4	Fabrication	24
5	Methodology	29
6	Results	32
7	Real time working model	33
8	Bill of materials	35
9	Conclusion	36
10	References	37