

DESIGN AND DEVELOPMENT OF OLIVE PITTING & GRADING MACHINE



ABSTRACT

WE HAVE DESIGNED A SEMI-AUTONOMOUS MACHINE FOR EXTRACTION OF OLIVES, BUT OUR PROJECT MAINLY EMPHASIZES ON GRADING OF OLIVES WHICH IS OUR REQUIRED GOAL AT THE END OF THE DAY. THE MACHINE WORKS ON THE PRINCIPLE OF GENEVA AND CRANK MECHANISM AND DESIGNED IN SUCH AWAY SO THAT OLIVES OF ALL SIZES CAN BE SORTED OUT AND THEN PASSED AHEAD FOR PITTING PROCESS. THIS PROJECT WE HAVE CHOSEN TOHAVE BOTH COMMERCIAL AND INDUSTRIAL VALUE.

OBJECTIVES

- TO MAKE OUR MACHINE USE ON BOTH COMMERCIAL AND INDUSTRIAL LEVEL SCALE.
- MACHINE CAN GRADE 50-55KG OLIVES PER HOUR.
- MACHINE HAS LOW COST AND HAVE FOLLOWING ATTRIBUTES I.E., EASY TO MOVE, USER FRIENDLY, EASY CLEANING AND REDUCES MANPOWER.
- OLIVE BUSINESS WILL BE BOOSTED IN PAKISTAN.

ACCOMPLISHMENTS

- RESEARCH AND ANALYSIS OF ALL KINDS OF OLIVES.
- GRADING MECHANISM FOR SORTING ALL SIZES OF OLIVES.
- USED STAINLESS STEEL AS FRUIT GRADE MATERIAL.

GROUP MEMBERS

ASC AHMED WAQAR RAO ASC MUHAMMAD OSAMA GUL GC SYED M. SAIM NAVAID

SUPERVISOR

DR. HAMID JABBAR DR. UMAR SHAHBAZ KHAN

Email: ahmedwaqarrao.909@gmail.com

PICTORIAL REPRESENTATION







ARBEQUINA





GRADING AND PITTING MACHINE. DESIGN RESEMBLANCE TO THE SELECTED DESIGN OF OLIVE PITTING MACHINE.

ACTUAL FIGURES OF PROJECT

TOOL USED







