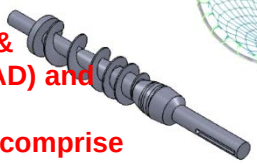
Faculty of Agriculture, Kasetsart University
Department of Farm Mechanics, Bangkok, Thailand
Post harvest, Processing & Packaging Machinery Laboratory (PPPM)

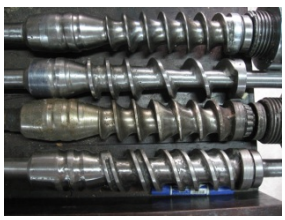
Under the direction of

Assist. Prof. Supakit Sayasoonthorn, Ph.D. (Post Harvest Technology)
Kasetsart University, Thailand. **email: agrspks@ku.ac.th**

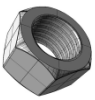
Interdisciplinary research emphasizing on Post harvest, processing & packaging machinery

- **Design and fabrication of Post harvest, processing & packaging machinery by computer aided design (CAD) and computer aided engineering (CAE).**
- **Design of agricultural products packaging and also comprise of retailing and shipment for agricultural product packaging.**
- **Design of Packing house for fruit and vegetable**





Research Programs



Post harvest, Processing & Packaging Machinery

Our team is proud to be developed the appropriate Post harvest processing & packaging machinery for productivity enhancement in the agricultural and the Post harvest sectors in rural region of Thailand. We are still adding to the list of Post harvest machinery it has developed, the latest being the Screw press oil extraction machine. In addition, We devoted its highly competent Processing machinery group for developing appropriate processing machinery for use in processing agriculture produce

Packaging of Agricultural Products

PPPM Research Team
Mr. Khajornrut Thongyo
Mr. Roucha Boonyakijnothai
Mr. Patipat Suban
Mr. Chirawat Sengrodrut

Damage to fruits and vegetables continues to be a big challenge as global markets become a reality. World-wide distribution of sensitive produce is faced with various levels of impacts from shipping and handling. Despite a variety of packaging options available today bruising damage is commonplace for perishable fruits and vegetables throughout the supply chain. The major sources of bruising are compression, impact and vibration forces. Understanding where these forces occur can help reduce this type of mechanical damage to fruit. Our research team proper appropriate agricultural product packaging during transportation to retailing is essential to reduce losses to a minimum and to maintain their quality from the farm to the packing house and from packing house to market and from market to consumer.

Packing House Design

We are Packing House design specialist in fruit and produce sorting and trimming, sizing and grading, washing, drying, waxing, curing, chemical treatment, packaging, labeling and marking systems and maintain the best system with the most current technology.

In addition, we are stepping into designing the harvesting equipment involving in perishable fruit and aquaculture products to improve harvesting efficiency and/or reducing the labor cost.

Theory is when you know everything but nothing works. Practice is when everything works but no one knows why. In our laboratory, theory and practice are combined…