



Education and Research of Agricultural Mechanization in Thailand

3rd Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific
3rd ASEAN Conference on Agricultural and Biosystems Engineering
Co-located with the 12th Engineering Research and Development for Technology in Agriculture
9-11 December 2015, Manila, the Philippines

EDUCATION

- **In Thailand, there are 22 universities that offer agricultural engineering or mechanization programme.**

R&D in agricultural mechanization, and agricultural and bio-systems engineering in Thailand

R&D Institution

The Agricultural Engineering Research Institute (AERI) is an institute under the Department of Agriculture, Ministry of Agriculture and Cooperatives, whose mandates are as following:

- **to conduct research and development on agricultural machinery and agricultural process,**
- **to providing technologies as well as technical services to government and private agencies involved,**
- **to conduct cooperative researches as well as to provide technical support to other agencies involves, and**
- **to provide services to other agencies of the Department of Agriculture.**

Axial flow pump was developed in 1955



Axial flow thresher was developed in 1975



1996- Paddy Dryer and Cyclonic Rice Husk Furnace



Rotary Tiller was developed in 2000



Small tractor attached with offset rotary tiller



Rotary Cultivator Implementing with Two Wheel Tractor



Rotary Puddler for Secondary Tillage in Irrigated Paddy Field



Power Puddler Implemented with Two-Wheel Tractor



Knapsack Type Rice Broadcaster



Rice Planters Attached to Farm Tractor



Rice Planters Attached to Two-Wheel Tractor



Implement for Plastic Mulches in Vegetable Production



Spring Tine for Sugarcane Weeder

Attached to Small Tractor



Rice Combine Harvester



Maize Harvester



Sunflower Combine Harvester



Straw Bailer



Research and Development of Agricultural Machinery for Cassava









Biomass Chopper



Equipment for Hot Water Treatment of Sugarcane before Planting



Asphalt and Natural Rubber Latex Mixer



Quality Grading Machine of Mangosteens by Specific Gravity



Durian Maturity Index Meter



Development of Robusta Washed Processing Technology for Farmer Group



Pulper and Washer









Rotary Dryer for coffee



Coffee Huller





Rice Milling Machine



Juice Extractor



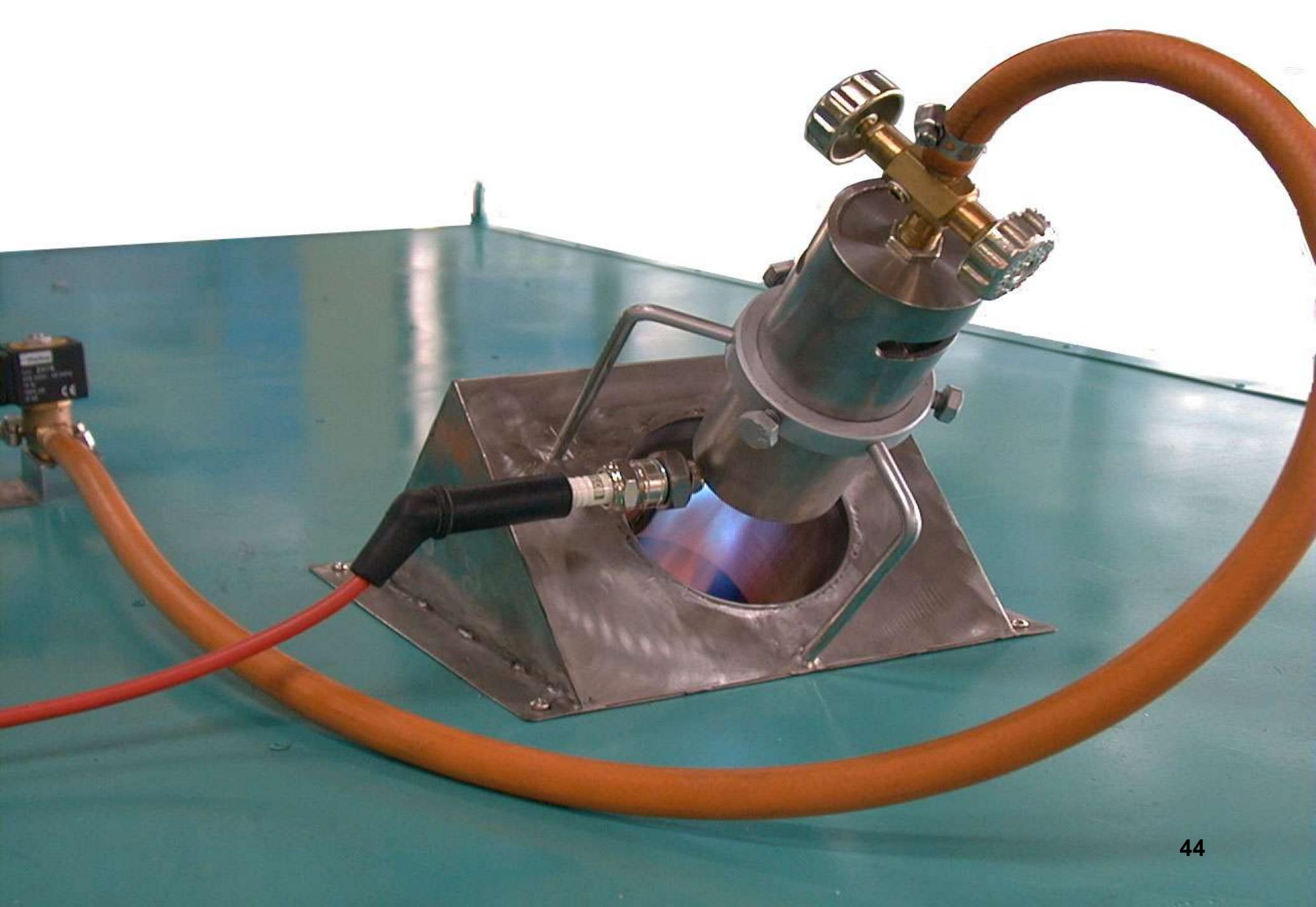


Tray Dryer









Tunnel Dryer









Solar Dryer with Additional Heat Source



Heat Exchanger Unit



