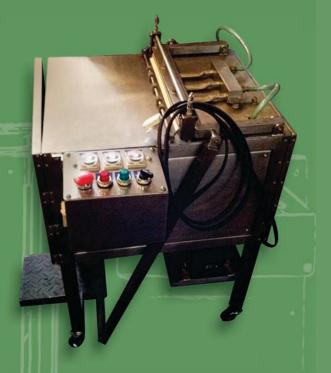
Technical Specifications

Sealing Length Sealing Element Vacuum Pressure Cycle Time Timers 450 mm Nichrome 27 in Hg (90kPa) 20 to 30 secs/plastic Autonics AT8N Autonics LE3S





VACUUM PACKAGING



for more information, please write, fax, call, or email:



DEPARTMENT OF SCIENCE AND TECHNOLOGY METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER

MIRDC Compound, Gen. Santos Avenue, Bicutan, Taguig City, 1631 Metro Manila P.O. Box 2449 Makati, 1229 Metro Manila, Philippines Telephone Nos.: (632) 837-0431 to 38 (connecting all departments) Fax Nos.: (632) 837-0613 and 837-0479 Website: http://www.mirdc.dost.gov.ph E-mail: mirdc@mirdc.dost.gov.ph **TIRDE**

DEPARTMENT OF SCIENCE AND TECHNOLOGY METALS INDUSTRY RESEARCH AND DEVELOPMENT CENTER The **Vacuum Packaging Machine** is one of the food processing equipment designed and fabricated to substitute imported equipment. Its use can help improve the performance and productivity of the country's micro, small, and medium enterprises (MSMEs) engaged in food processing.

What It Can Do:

- It is best used in vacuum-sealing of food products in retortable pouches.
- It prevents growth of microorganisms and protects food from spoilage by means of providing the food with minimum air environment. Thus, the Vacuum Packaging Machine significantly extends shelf-life of food.

The Vacuum Packaging Machine is best used for:

- Long-term storage of dry foods such as cereals, nuts, cured meat, cheese, smoked fish, coffee, and potato chips (crisps).
- Short-term preservation and packaging of vegetables, meat, and liquids.

Benefits/Advantages

The use of the Vacuum Packaging Machine allows food processors to:

- ✓ enhance quality of food
- $\checkmark~$ retain the flavor and maintain freshness of food
- ✓ reduce product shrinkage because food does not lose moisture

- ✓ use a wide range of plastic bags like trilaminates, retortable pouches and PPEs
- ✓ finish packaging cycle in a shorter time
- ✓ access services for machine easily

The "Design and Development of Process Equipment for Food Processing Firm" is a project implemented by the Metals Industry Research and Development Center (MIRDC) in cooperation with the Project Management Engineering Design Service Office (PMEDSO) and the Industrial Technology Development Institute (ITDI) in support of the High Impact Technology Solutions (HITS) Program of the Department of Science and Technology (DOST).





