

Your Research Partner In The World Of Food, Agro & Oil



MUEZHEST
Concept to Performance

RESEARCH AND DEVELOPMENT CENTRE

A Division of Muez-Hest India Pvt. Ltd.
(Recognized by Department of Scientific and Industrial Research,
Government of India, New Delhi)

ABOUT US

MUEZ-HEST is a fastest growing engineering company based in Mumbai India. By virtue of its strategic alliances, synergetic acquisitions, globally accredited manufacturing facilities & above all an extensive marketing & distribution network, MUEZ-HEST is committed to creating access to affordable and innovative products. We are the first engineering company having a well equipped Research, Development and Innovation Centre located at Virar, which has been approved by Department of Scientific and Industrial Research (DSIR, Govt. of India, New Delhi).

MUEZ-HEST Research and Development Centre (MHRDC), is an independent, self-sustaining, not-for-profit multi-disciplinary contract Research Institute conducting Research and Innovation in the areas of Oil, Food and Agro for Industries, Government Agencies and Domestic organizations (SME) and International Institutes and Industries.

MHRDC was established as Food Research and Analytical Services Centre to the Food Processing, Oil Milling, Agriculture and Allied Value Added Industries.



OUR VISION

Our vision is to contribute for the improvement of Indian Economy by consistent research support with integrity, passion and advocacy for development of innovative food and allied products which will be helpful to reduce poverty and increase employment opportunities.

OUR MISSION

- To Design, Develop and Validate new products with latest technology and applications suitable for Food and Agro Industry and improving processes for existing engineering products with value additions.
- To achieve global expertise in areas of Research and Innovation.
- To emerge as a spearhead in the industry by exploring new avenues by knowledge based technological services.
- To offer energy efficient and environment friendly technologies to reduce cost and eliminate wastage of material.
- To tie-up with independent research teams to develop new products.
- To leverage our R & D efforts to provide our customers with technical specifications, plant layouts for engineering product manufacturing, development of processes and regulatory batches.



OUR FACILITIES

PILOT PLANT

MUEZ-HEST Research and Development Centre is fully equipped with Pilot Plant, utilities and laboratory with latest sophisticated testing instruments.

The facility is available to the industry for process and product development support. Existing operations can also be simulated at the pilot-scale to evaluate new equipment or technology, assess the impact of different inputs or troubleshoot problems without interrupting production at the main plant. Additionally, we can provide vital resources for companies that are just starting-up, or are evaluating new processes and product lines.

- Agitated Thin Film Evaporator
- Falling Film Evaporator
- Wiped Film Evaporator
- Short-Path Distillation
- Combination Evaporator
- Special Reactors

UTILITIES AT OUR FACILITY

- Steam Boiler
- Chilling Plant (-10°C)
- Cooling Tower



PILOT PLANT



COOLING TOWER



ATFE



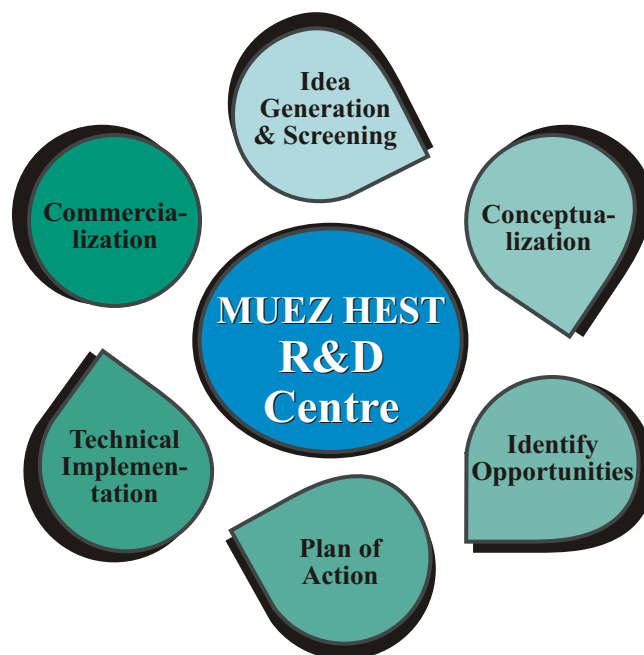
CHILLING PLANT

INSTRUMENT TESTING SKID

We have special skid to test and validate Electronic and Digital Instruments like Level Transmitter, Level Switches, Temperature Transmitter, Linear Valves, ON/OFF Valves and Pressure Transmitter of all types.

AN OVERVIEW OF APPLICATIONS OF PILOT PLANT

- Oils & Fats
- Food Additives
- Flavour, Fragrance & Essential Oils
- Speciality Chemicals
- Pharmaceutical Products
- Bio-material Concentration
- Molecular Separation
- Solvent Recovery
- Juice Concentration



SPECIAL REACTORS



SHORT PATH DISTILLATION



CONTROL PANEL

PRODUCT & PROCESS DEVELOPMENT WITH PROTO VALIDATION

MUEZ-HEST Research and Development Centre has developed Process Technologies & Project Engineering for Oils and Fats production by using their expertise and experience of manufacturing Plants for Oils, Fats and Allied Value Added products.

Our R & D teams continuously work with clients to provide innovative and fruitful solutions for today's market place complying with rapidly changing trends in consumer needs. MHRDC combines academic excellence, necessary expertise & knowledge of industry. We work with an innovative approach that empowers our clients to successfully solve issues of product development by deeply understanding our consumer's demands and deliver solutions which drive our customer's growth based on innovation and scientific approach. We help you achieve breakthrough success by offering marketplace knowledge, expert technical assistance, from Inception to Industry.

We work on concepts to commercialization with proto validation to meet customer's specific requirements.

TESTING & CERTIFICATION

MUEZ-HEST Research & Development Centre has leveraged capabilities and services that support many Engineering Research and Technology. We deal with testing in the field of Food, Agro and Oil. We have well equipped lab with sophisticated calibration instruments like HPLC (High Pressure Liquid Chromatography), GC (Gas Chromatography), Spectrophotometer (UV- Visible) Cloud & Pour Point Apparatus, Kjeldahl Apparatus, Soxhlet Apparatus etc. for Oils, Fats and Foods Analysis with high accuracy and precision. We provide reliable testing services with World Class Instruments and Equipment's with Qualified and Experienced Technologists. MHRDC adheres to standard methods laid down by globally recognized associations like AOAC, AOCS and organizations of National Repute like FSSAI, BIS and DGHS to avoid uncertainties in results.



FIELD OF ACTIVITY

R & D DEPARTMENT

- Consulting
- Lab/Pilot Testing For Proto Validation
- Process Development
- Process Simulation
- Reliable Testing Services



TESTING LAB



TESTING LAB

DRAWING DESIGNING & ENGG. DEPARTMENT

- Project Technology Evaluation
- Pre & Detail Engineering
- Automation, Instrumentation & Installation Planning
- Supervision for Installation & Startup
- Client Updation related to R&D Centre and Simulated System of R&D.

PLANT CONSTRUCTION

- Turnkey Plant Supply & Installation
- Complete Process Units
- Plant Equipments

MAINTENANCE

- Services for Delivered Plants
- After Sales Services

LABORATORY SETUP

- For New Industries, to provide guidance to establish required Testing Setup including Layout Planning and Selection of Instruments.



MUEZ-HEST Research & Development Centre (MHRDC)

93 & 94, Village-Shivansai, Vajreshwari Road,
Taluka-Vasai, Virar, Dist.- Thane, Mumbai - 401 303, INDIA.
Tel/Fax: +91 250 257 1989 / 2870 1752
E-Mail: info@muezhest.com

MUEZ-HEST India Pvt. Ltd.

Regd. Office: 230 & 231, Blue Rose Industrial Estate,
W. E. Highway, Borivali (East), Mumbai - 400 066, INDIA.
Tel/Fax: +91 22 2854 1758 / 2870 1752
E-Mail: info@muezhest.com

MUEZ HEST
Concept to Performance

Note: The specifications and processes explained in this Brochure are subject to change for improvements and adoption of newer technologies. The information provided should be taken as a reference source without any liability on our part.