

SARVESH ENGINEERING.

PRESENTATION ON THE SERVICES OFFERED.

SARVESH ENGINEERING.

We offer one stop RELIABLE services to rigid plastics packaging industry with special emphasis on technical back up.

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We offer following services to industry -

- Turn key projects-Rigid Plastic packaging.
- Project management (EMU)– Rigid plastic projects.
- Post consumer PET bottles, HDPE, PP, PE, and other plastics recycling projects.
- Technology transfer and process set up.
- Substitution of metal components with Plastics.
- System design & development for efficient & effective operations/controls.
- Product design & development (from concept to commercial).
- Machine and equipment up gradation.
- Support services for critical spares, break downs and or major maintenance.
- Energy audit & Energy conservation.
- Value added services.
- Training. Etc.

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Turn key projects-Rigid Plastic packaging.

We have successfully executed over 24 Turn key projects for –

- 1) Caps and closures for beverage industry, Non CSD drinks like fruit juice, Edible oil, Pharmaceutical, Automobile, Lubricating oil, and speciality application.
- 2) Pet bottle, wide mouth Jars, Plastic bottles for milk & milk bye products, Agro & vet products, etc
- 3) Thin wall container for ice-cream, yoghurt, Milk by-products like butter & Cheese, etc.
- 4) Bottles and jerry cans. Eye drop bottle to 50 liter jerry can.
- 5) PET bottles for aseptic drinks (warm filling) and for liquare packaging.
- 6) Hygiene products like Tooth brush, Disposable syringe etc.
- 7) Weight reduction of PET bottle and closure. Neck change on PET bottles from 1810 to 1881, with low weight cap.
- 8) Post consumer PET bottle recycling project rated at 1000 kg/hr.(full automated)
- 9) Post consumer Woven sack recycling project rated at 1000 kg/hr. (Full automated)
- 10) Profile extrusion for furniture trim, window profile etc.
- 11) Rotational molding of toys, water tanks up to 10,000 ltr, Security cabins etc.
- 12) Automobile products (Injection molding as well Blow molding).
- 13) Recycling of post consumer plastics – PP/PE/HDPE/PET & engineering plastics.
- 14) Waste to wealth projects, etc.

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SCOPE OF SUPPLY- TURN KEY PROJECTS

- Capacity planning of machine & equipments,
- Identification & sourcing of machine & equipments,
- Submission of plant layout, utility lay out, electrical layout etc.
- Technical discussion with the machine & equipment supplier,
- Order confirmation,
- Follow up during machine building,
- Test run of the machines & equipments at suppliers end,
- Pre-commissioning preparations,
- Supervision during installation & commissioning of the machines & equipments, by service engineer,
- Process optimization,
- Preventive maintenance schedule & planning,
- Training,

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SCOPE OF SUPPLY- TURN KEY PROJECTS

- Shop floor control system for Production, materials, Man power, etc.
- Quality assurance procedures, documentation & implementation,
- Follow up visit every quarterly for first one year.

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Project management - Rigid plastic projects.

Mechanical, Electrical & Utility –

Project management shall include areas like –

- Technical evaluation of plant & machinery.
- Plant, machinery & utility lay out.
- Capacity planning of machines & equipments.
- Electrical, Mechanical and utility installations.
- Start up and production optimization.
- System development & implementation.
- Training.

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SYSTEM DESIGN & DEVELOPMENT.

Systems for –

- Production controls
- Maintenance of machines & equipments
- Quality assurance
- Customer satisfaction
- Inventory controls & standardization
- Man power

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Product design & development

- PET pre-form, PET bottles for optimum weight.
- Caps & Closures, for beverage industry, pharmaceutical, Agro industry, Automobile industry etc.
- Industrial & automobile products white goods, electrical appliances etc..
- Thin wall containers for milk by product packaging.
- PET Bottle mold.
- Weight reduction of PET bottles and closures.
- Conversion of Injection molding tools, filling line and down stream equipment to adapt the new light weight packaging system. (from PCO 1810 to PCO 1881, or other short neck)
- Automobile components like door panel, handle, Wheel cover, Rocker arm cover, fuel tank, Oil pan, Timing belt cover, gear console, front & rear spoiler, seat and seat components, etc.
- Pharmaceutical packaging, vial packaging trays etc. Made by injection molding, & thermo /vacuum forming process

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Machine & Equipment up gradation.

Globalization of markets has made availability of best products & services worldwide.

To stand in the market one has to supply the goods and services to the best quality at affordable price, as well with speed.

This is only possible with the use of latest technology to get the higher volumes of quality products at lowest possible price.

It is practically not possible for the industry specially in developing countries, where majority of the goods and services are supplied by SME, to replace the capital equipment with new one in a short span, due to change in technology.

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Machine & Equipment up gradation.

Up gradation of machines and equipment is best solution for the problem. Up gradation can be done by addition and deletion of components modules and/or soft wares, at a lower capital investment, where as the quality and/or productivity can be enhanced in many folds.

Up gradation of existing machine is best alternative to get the one plus product at minimum investment.

Addition of small injection unit on existing Injection machine for molding two materials component is one of the example. Requirement of new Injection machine was eliminated by up gradation, achieving substantial savings in capital cost.

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Support services for critical spares, Mould cooling accessories.

Spares for Injection molding machines, blow molding machines, ISBM, Extruders, Chillers, Compressors, Cooling tower, Resin dryer & de-humidifier, Resin conveying systems, material handling equipment etc.

Quick change connector for Water and Air application. Our design registered product which offers 100% safety (never disconnect accidentally), User friendly, Maintenance free, Compact, offers full flow concept – minimize the risk of scaling. Guaranteed for 1 year, where as the life expectancy is very high.

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Energy audit & Energy conservation.

On Mechanical systems, Hydraulic systems, Utility system, Electrical installations, Illumination etc.

This being a very important topic, with end result of net savings in the input cost, a separate presentation is attached on Energy audit & energy conservation.

Energy audit also identify the areas where energy savings are possible with addition of capital expenditure

Energy audit preliminary focus on the Power quality analysis, which in general gives between 5 to 7% savings in energy bill, with out any major addition to capital cost.

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VALUE ADDED SERVICES.

- Waste management & reduction in rejection levels (in-house as well external).
- Improvement in asset utilization & Efficiency, reduction in in-put cost with the help of scientific management tools.
- Design & development of critical spares.
- Training.

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VALUE ADDED SERVICES.

WASTE MANAGEMENT.

Waste management is one of the very important area which is generally overlooked.

Any reduction in waste generation is direct improvement in profits as well savings of scarce resources.

Waste management comprises the sum total of all measures for the avoidance and minimisation of waste.

Waste management helps controlled and environmentally acceptable disposal of all types of waste, i.e. domestic waste as well as commercial and industrial waste.

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VALUE ADDED SERVICES. WASTE MANAGEMENT

Waste management function help -

- To protect human health,
- To contribute to the quality of life by improving environmental conditions,
- To maintain the ecological equilibrium of the environment, particularly of the soil, groundwater, and - where it has been disturbed - to restore it,

it's important to view the organization as an individual and adjust the waste management solution in order to full-fill the needs.

Waste disposal is part of waste management, it involves the collection, transport, processing, recycling and/or disposal of waste materials. It is basically carried out in order to reduce the effect of waste on the environment.

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VALUE ADDED SERVICES.

IMPROVEMENT IN ASSET UTILIZATION.

Improvement in asset utilization, improved efficiency & reduction in in-put cost with the help of scientific management tools, shall directly affect the bottom line of the organization.

Improved efficiency reduces the head count and man power requirement also. Reduction in man power requirement gives hidden benefits as well.

Improvement in asset utilization minimizes the requirement of equipment and there by the capital cost for new machines & equipments.

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VALUE ADDED SERVICES.

IMPORT SUBSTITUTION

We do the complete development of critical components and assemblies mainly for import substitution.

We have a wide experience and exposure of development since 1977.

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VALUE ADDED SERVICES.

TRAINING.

For sustaining the changes and ensuring that the systems and work procedures are adopted religiously training at all levels is very important.

Training to machine operator & fitters for minimizing down time, use of GMP, and record keeping is also equally important.

Any change in the work procedure, systems must be well communicated at all levels.

A well communicated change is easily accepted, else the change is resisted at all the levels and it becomes difficult to implement new ideas.

After completion of training program and implementation of system suitable appreciation is must.

Giving small rewards like man of the month, with some cash benefits is well accepted appreciation on lower levels.

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We have valued customers in India, Kenya, South Africa, Angola, Zambia, Kuwait, etc.

Some of our valued customers -

Tata Motors, Pune.

Honeywell Turbo technology, Pune.

Bisleri Ltd, Mumbai.

KC Industries, Jammu.

Sterlings plastics, Kolhapur.

Excel chemicals, Kenya.

General Plastics, Kenya.

Vision international, South Africa.

Quality food & Beverages, Angola.

TCl, Zambia

MRC, Kuwait. (part of agility group)

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OUR BACK GROUND

Basically a mechanical engineer, backed up with post graduation in management (Production management & Marketing management)

Having over 40 years of industrial experience, which includes 20 years over seas experience, most of them on a senior management level.

A techno-commercial, with vast experience & exposure in industry, who can work under pressure, using scientific management tools to achieve the results in stipulated time frame.

Due to the extensive hands on experience on shop floor solutions are easily implement able.

Nominated member of Kenya Bureau of Standards for Plastics & Rubbers.

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OUR BACK GROUND

Last assignment as a CEO for MNC manufacturing beverage closures by Injection molding process at Pune. Namely BERICAP INDIA PVT. LTD.,

MNC having head quarters at Germany, having 20 manufacturing plants world wide, with in-house R & D centers 4 no, and 2 tool manufacturing centers.

Beverage closures, Pharmaceutical closures, Automobile and lubricating oils, Edible oils, agro chemical and especiality closures manufactured at the Pune plant.

Main customers – Coca Cola, Pepsi, Cadbury, Johnson & Johnson, Bisleri, Castrol, Hindustan Petroleum, etc.

We are the owner of intellectual property at India, 3 design registrations are approved, one awaiting approval.

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We thank you for sparing your time & giving us opportunity to explain the areas where we can work together for mutual benefits.

We would like to be partner in progress & grow with your esteemed organization.

We assure that our services will pay for itself in long run.

PL. feel free to contact us should you require any additional information.

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