



**ECOROLE**

**CARING FOR NATURE**

[www.ecorole.in](http://www.ecorole.in)



## COMPANY PROFILE

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“WE DESIGN, BUILD & SERVICE RENDERING SYSTEMS”

Ecorole is a private owned company based in Pune. We uphold our passion for highest quality, techniques and services. Our ambition is to keep offering the best rendering solutions and building high quality waste processing systems which are cost effective.

Ecorole, previously Aditya Rendering has been at the forefront of the rendering industry. With a growing global need for proteins, processing organic by-products is an essential part of the answer to the problem of waste. It's about processing waste materials and turning them into new products, thereby preventing wastage of potentially useful materials.

With a few decades of experience we are able to fine tune your processes to ensure higher quality end-products and a better turnover as a result.

We are one of the leading companies in engineering, designing, construction, manufacturing, installation and servicing high quality rendering systems. We specialize in complete systems and equipment for rendering animal by-products.

## MISSION

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To use pioneering technology to turn animal waste into valuable, reusable resources; reducing the impact on the environment and communities in which we operate.

## VISION

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A sustainable, environmentally friendly solution to animal waste management.

## CORE VALUES

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- ▶ **Passion** : We are passionate about what we do.
- ▶ **Integrity** : We are open and honest.
- ▶ **Innovation** : We are always looking for ways to evolve.

## QUALITY PRODUCTS

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Quality is never a accident, it is a outcome of a continual effort in the every aspect of production process. We at ECOROLE stick to this exact verbatim, hence we can assure you best in quality products & services.

## OUR JOURNEY - IN NUMBERS

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<b>100 +</b> Customers	<b>250 +</b> Machine Manufactured
<b>100 +</b> Projects Completed	<b>4.5</b> Business Rating



## HOW ECOROLE CAN HELP ?

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Our mainstream product is the only 'one-of-its-kind' in the market in terms of technology, efficiency, operation & effortless management of organic waste, thus providing a excellent solution to the grave problem of waste management



## CHICKEN WASTE RENDERING SOLUTIONS

We uphold our passion for highest quality, techniques and services. Our ambition is to keep offering the best rendering solutions and building high quality waste processing systems which are cost effective.

**The principle is simple :** Instead of simply throwing out leftovers from meat, poultry and fish production, break this waste down into its constituent parts – including proteins, minerals, ingredients and fuels we can use...

We help make this all happen, by providing the specialist equipment and knowhow it takes to keep rendering a safe, healthy and financially viable activity.

**Ecorole** offers customized solutions and equipment that make your chicken waste rendering plant more profitable and sustainable.

We design, develop and supply both processes and equipment for chicken waste rendering. Our solutions focus on efficient utilization of raw materials and energy, as well as on product quality, regulatory conformance and environmental impact.

## HOW RENDERING SYSTEM WORKS ?

Poultry production produces a lot of waste like carcasses, bones, offal, feathers, fat and blood. This waste can be processed and transformed into valuable products rich in proteins, minerals & oils.

The processing of the poultry by-products starts with raw material handling, followed by heat treatment to reduce the moisture content and to kill micro-organisms. Separation of the melted oil from the solids (protein) is achieved through draining and pressing. The solid fraction is then ground into a powder, such as whole meal, poultry meat meal, feather meal, blood meal and poultry oils.

## OUTPUT CONTRIBUTION OF RENDERING SERVICES



**Chicken Feed**



**Fish Feed**



**Pet Feed**



**Oil**

## CHICKEN WASTE RENDERING PLANT :

Poultry dressing or slaughter results in waste which is almost 30 % of live bird weight. All the waste resulting from processing is pressure cooked, sterilized & rendered into a sterilized meat meal.

## FEATURES :

- ▶ Processing capacities from 0.5 ton/batch up to 7.5 ton/batch.
- ▶ High performance shaft ensures short batch time and excellent product quality.
- ▶ Steam heating mechanism for shell and shaft through use of boiler.
- ▶ Product exposure to heat is at its minimum best. This retains nutrient value of the end-product.
- ▶ Strong underframe for easy installation and simplifies piping.
- ▶ Frame mounted gear reducer and drive for strength and rigidity.
- ▶ Converts entire poultry waste into high protein sterilized meat meal.
- ▶ Customised plant design and setup for processing hatchery waste. Plant capacities from 500 kg per batch can be used to process hatchery waste eggs shells, empty shells, infertile dead embryos, late hatchings, dead chickens
- ▶ Electric run rendering plant for research and development. Our unique electric run rendering plant design is highly efficient and runs without the need for a boiler. Investment and operational costs are significantly lower than a boiler- based plant.
- ▶ All plants come equipped with cooking and heating, cooling, drying, advanced odour control system and pressing solutions.
- ▶ We specilize in manufacturing batch cookers, condenser, gas scrubbers & conveyors.

## WHO CAN USE OUR RENDERING SOLUTIONS



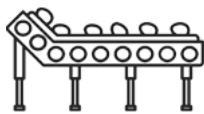
**Poultryies**



**Hatcheries**



**Chicken Processing  
Plants**



**Poultry Processing  
Plants**



**Meat processing  
plants**



**Waste Collection &  
Processing for  
Individuals / Companies**

## OUR QUALITY INSTALLATIONS





## SERVICES



### CONSULTANCY

We provide end to end consultancy services for commissioning, erection and working of all related parts. Kindly contact us with your requirements.



### DESIGN

We also undertake design part for the erection and commissioning of all the related plant after knowing exact requirements of client.



### PLANNING

Our experience has taught us that the better a plant is designed, the more certain it is to deliver the performance, efficiency and profitability you want and expect.

#### Existing Plants :

Planning to expand a plant that's already up and running? We can assess your plant and along with our experience, based on your inputs and desired outputs, we help you maximize the long-term value of your investment.

#### New Facilities :

If you're setting up a new plant or line, we can conduct feasibility studies – based on planned inputs output needs, available space and other factors. Then we prepare a layout and process flow chart, before preparing an engineering and systems proposal which ensures rapid payback and all the performance you want.



### ENGINEERING

We plan & implement effectively the engineering work required for your plant. Our experience makes us capable of delivering the best equipment available and making sure that everything works together as an efficient and profitable whole.



### INSTALLATION

Installing new equipment and systems has to be done right if you want to get the best of the new capabilities. We carry out the installation work quickly and effectively using our expertise and know-how as well as professional planning to keep downtime to a minimum.



### COMMISSIONING

Our team ensures your commissioning is well-planned and the handover smooth, so your team have the documentation, user guides, training and maintenance guidelines they need to operate the new equipment safely and effectively.



## TRAINING

We offer hands-on training for the followings :

**Mechanical Training :** To ensure your operators know the ins and outs of our equipment. We train to ensure smooth operation and what to do if something goes wrong.

**Process Training :** Which covers your control system, gives your operators the knowledge needed to keep efficiency high and the risk of downtime low.



## SITE INSPECTIONS

Our engineer visits your facility to conduct a thorough inspection and assessment of your plant's condition and performance. We inspect your equipment, your connections and your plant's control system settings and also look at your process as a whole.

Regular Site Inspections reduce the risk of costly stoppages and plant shutdowns dramatically while keeping your plant running at peak performance and efficiency. The result is greater peace of mind, lower costs and higher profits.



## 24/7 ON CALL SUPPORT

Our 24/7 on call support is available around the clock, 365 days a year.



## SPARE PARTS

When you contact us, we'll help you select the right spares, and if you need assistance changing parts, we are happy to help.

We will also advise you on which parts and how many of each part you should keep in stock, so you always have these parts on hand for preventative maintenance and unexpected issues with your equipment.



## IMPROVEMENTS

Installing processing systems is rarely a once-and-for-all decision. New technologies emerge, new capabilities are developed, improvements are made. Companies' requirements change, market expectations evolve, and new commercial opportunities arise.

We can revamp, improve, optimize and update your existing equipment or processing lines – whether supplied by us or not.



## AUTOMATIC ORGANIC WASTE CONVERTER ( AOWC)

AOWC is compact, easy to operate & the only 'one-of-its-kind' in the market in terms of technology, efficiency, operation & effortless management of organic waste. Ecorole's AOWC process wet waste using a rapid 24-hr composting cycle. It converts food waste into Soil Enricher where the output material is just 10-15% of the volume of the input waste.

Our new advanced model has a composting cycle of 12-hr.

The machine can be operated in three simple steps :

- ▶ Segregate the organic waste.
- ▶ Open the lid from where the waste would be placed in and place in the waste. Ensure only organic waste is being put inside the machine
- ▶ Close the lid and the machine would start its operation of converting the waste into Soil Enricher.



The process reduces the volume of waste by 85-90%. The remaining 10-15% is turned into Soil Enricher. This whole process takes from 12 to 24 hours for food waste to be converted into Soil Enricher depending upon the humidity content of the waste.

The Soil Enricher can be used directly in gardens or plants in the proportion of 10:1 (soil: compost) and then added to the plants.

## AOWC MODELS

The model of the AOWC depends on the quantity of waste that is expected to be handled. We manufacture the OWC system in a wide range of sizes.

For waste capacities: 150, 200, 250, 350, 500, 750, 1000, 1500, 2000, 2500 kg.

We have customised solutions for processing waste capacities above 2500 kg.

We also make a number of accessories like shredders to address specific waste challenges.





*When Waste Managed At Source,  
It Becomes A Resource.*



**ECOROLE**  
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