



**RAYON APPLIED  
ENGINEERS**



**ULTIMATE CONFECTIONERY SOLUTIONS  
&  
BEST TECHNOLOGY FOR ULTIMATE ENERGY  
SOLUTIONS**



**Contact**

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**Rayon Applied Engineers**, established in 1995, is a prominent engineering company focused on designing and manufacturing industrial heat transfer equipment. With over 25 years of expertise, we have built a strong reputation for providing innovative and high-performance heat transfer solutions, particularly in the confectionery industry and across various industrial sectors.

**Our product** range includes Thermic Fluid Heat Exchangers, Process Steam Heaters, Finned Tube Heat Exchangers, After Coolers, Inter Coolers, Chillers, Jacket Water Coolers, Oil Heaters & Coolers, Condensers, and Evaporators. We serve a wide array of industries, offering tailored engineering solutions that enhance operational efficiency and reliability.

### **Core Competencies:**

- **Heat Exchanger Systems for Diesel Generators (D.G.):** We excel in retrofitting and converting radiator systems to heat exchanger systems for a variety of diesel generator models, including CUMMINS, CATERPILLER, MWM GREAVES, KOEL, VOLVO PENTA, LEYLAND, SKODA, and SKL. Our systems are designed to increase engine efficiency by 10%, reduce power generation costs, and extend engine life by reducing wear and tear on key components.

- **Energy-Efficient Solutions:** Rayon Applied Engineers is at the forefront of delivering detailed energy audits (both electrical and thermal) to help industries improve energy efficiency. Our fuel-saving technologies for boilers and furnaces, as well as heat recovery systems from exhaust gases, enable significant cost savings and optimized energy use.

### **Additional Services:**

- **Finned Tube and Coil Heat Exchangers:** We manufacture spiral wound finned tube systems for applications such as oil-to-air heaters and steam-to-air heaters, delivering effective heat transfer solutions.

- **Industrial Chilling Plants and Pharmaceutical Equipment:** We provide advanced cooling and processing equipment tailored to meet the requirements of various industries.

- **Material Handling Systems:** Our material handling solutions include belt conveyors, bucket elevators, screw conveyors, and pollution control equipment designed for efficiency and durability.

### **Awards & Recognition:**

Rayon Applied Engineers was honored with the **Bharat Udyog Ratna Award in 2009-2010** for its excellence in engineering and significant contributions to industrial growth. To date, we have installed over 1,000 heat transfer systems across India, with capacities ranging from 40 KVA to 1250 KVA in diesel generator sets.

### **Commitment to Excellence:**

Led by CEO Mr. Ramachandra (B.E. Mech., M. Tech. EM, MIE), our team of highly skilled engineers is dedicated to providing cutting-edge solutions that meet the evolving needs of our clients. With an attractive payback period of 2-6 months, our systems offer substantial savings and increased performance.

We welcome the opportunity to discuss your specific requirements and demonstrate how our expertise can enhance your operational effectiveness and profitability.



## Vision

To be a global leader in heat transfer solutions, driving industrial efficiency and sustainable innovation

## Mission

Deliver advanced, energy-efficient engineering solutions that enhance operational performance and build lasting customer partnerships through excellence, innovation, and service.

## Goal

- Innovate cutting-edge heat transfer technologies. Exceed customer expectations with quality and service.
- Expand market reach and drive sustainable growth.
- Promote energy-efficient, environmentally responsible solutions.
- Invest in employee development for continuous improvement.



# Message from Director



**Mr. Ramachandra Rao**  
BE (Mech.), M.Tech. , (E.M.) M.I.E.

**A**s entrepreneurs, we take immense pride in meeting the evolving needs of our clients, grounded in a foundation of trust and relationship-building. By offering a comprehensive range of high-quality products, we are dedicated to excellence in every aspect—from R&D and production to timely delivery and exceptional after-sales service.

**C**lient satisfaction is not just a goal, but a driving force behind our business. With over 50,000 satisfied clients, we have nurtured lasting partnerships since our inception, and we continue to expand by welcoming new clients into our growing network. Our relentless commitment to quality, innovation, and customer-centric solutions has earned us recognition on a global scale. As we move forward, we are consistently enhancing our product range and expanding our global footprint, reinforcing our position as a trusted industry leader in heat transfer solutions.

**W**e look forward to continuing this journey with you, delivering solutions that drive success and prosperity for all.



## Product Name :- Chocolate Ball Mill Grinding Machine

**Product Specification:**  
Model: RAE/BM1001  
Material: Ss304  
Capacity: 50 to 1500 kg

Available in two models:  
1. Standard Type  
2. Turkey Type  
Customization options are also available



## Product Name :- Chocolate Holding Tanks

**Product Specification:**  
Model: RAE/HT1001  
Material: SS304  
Capacity: 50 to 5000 kg

Customization options are also available



## Product Name :- Ghee / Fat Melting Machine

### Product Specification:

Model: RAE/GM1001

Material: SS304

Capacity: 50 to 2000 kg



Available in two models:

1. Standard Type

Customization options are also available



## Product Name :- Cattle Cooker

### Product Specification:

Model: RAE/CC1001

Material: SS304

Capacity: 50 to 1000 kg



Customization options are also available





## Product Name :- Smokeless Sugar Grinding Machine

### Product Specification:

Model: RAE/SG1001

Material: SS304

Capacity: 50 to 700 kg



Customization options are also available



## Product Name :- Mixing Tank

### Product Specification:

Model: RAE/MX1001

Material: SS304

Capacity: 50 to 1500 kg



Customization options are also available







**Product Name :-  
Chocolate One Shot Depositor Machine**

**Product Specification:**

Model: RAE/CDM1001

Material: SS304

Capacity: 50 to 350kg/H

Available in two models:

1. Standard Type
2. Turkey Type

Customization options are also available



**Product Name :-  
FRP Induced Draft Cooling Tower**

**Product Specification:**

Model: RAE/FRP1001

Material: FIBER GLASS

Capacity: 10TR to 5000TR

Customization options are also available



## Product Name :-

### Air Blower

#### Product Specification:

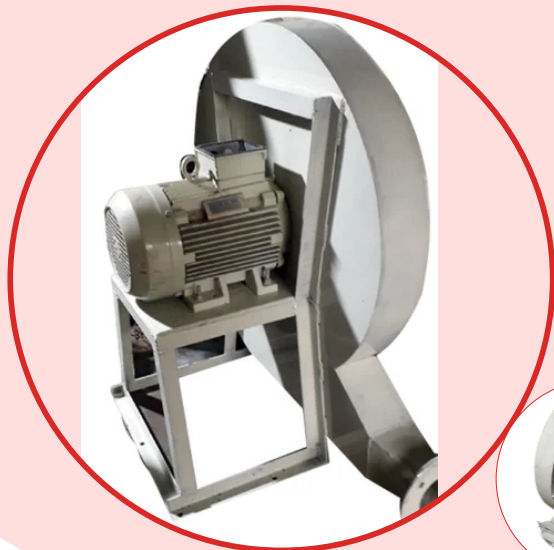
Model: RAE/AB1001

Material: MS/SS

Capacity: 100M-CU - 5000M-CU

Type Induced Draft / Force Draft

Customization options are also available



## Product Name :-

### Chocolate Enrober Unit

#### Product Specification:

Model: RAE/CE1001

Material: MS/SS

Capacity: 50 to 5000KG/H

Customization options are also available



**Product Name :-  
Chocolate Moulding Machine**

**Product Specification:**

Model: RAE/CM1001

Material: MS/SS

Capacity: 50 to 500KG/H

Customization options are also available



**Product Name :-  
Confectionery Belt Conveyor**

**Product Specification:**

Model: RAE/CB1001

Material: MS/SS

Capacity: 50 to 5000KG/H

Customization options are also available



**Product Name :-  
Chocolate Enrobing Machine**

**Product Specification:**

Model: RAE/CM1002

Material: SS304

Capacity: 50 to 2000KG/H

Customization options are also available



**Product Name :-  
Jems Coating Pan**

**Product Specification:**

Model: RAE/JCP1001

Material: SS304/Copper

Capacity: 50 to 500KG

Customization options are also available



**Product Name :-  
SS Tray & Trolley**

**Product Specification:**

Model: RAE/ST1001

Material: SS304

Capacity: 25 to 1000KG



Customization options are also available

**Product Name :-  
Jelly Cattle Cooker**

**Product Specification:**

Model: RAE/CC1001

Material: SS304

Capacity: 50 to 1000 kg



Customization options are also available



**Product Name :-  
Jelly Automatic Cutter Machine**

**Product Specification:**  
Model: RAE/JAM1001  
Material: SS304  
Capacity: 25 to 2500KG

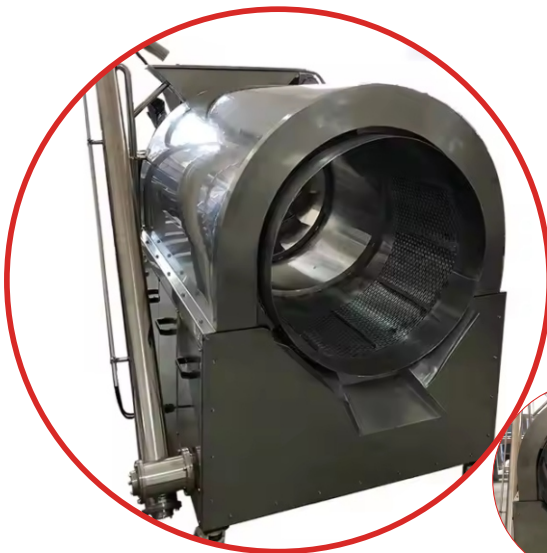


Customization options are also available



**Product Name :-  
Jelly Sugar Coating**

**Product Specification:**  
Model: RAE/JS1001  
Material: SS304  
Capacity: 50 to 1000 kg



Customization options are also available



**Product Name :-  
Pulper Machine for Imli/Mango etc.**

**Product Specification:**

Model: RAE/PM1001

Material: SS304

Capacity: 50 to 2000KG/H



Customization options are also available



**Product Name :-  
IMLI CATTLE**

**Product Specification:**

Model: RAE/IC1001

Material: MS/SS304

Capacity: 50 to 2000KG/Batch



Customization options are also available





**Product Name :-  
Grease Manufacturing Plant**

**Product Specification:**

Model: RAE/GM1001

Material: MS/SS304

Capacity: 50 to 2000KG/Batch



Customization options are also available

**Product Name :-  
Storage Silo**

**Product Specification:**

Model: RAE/SS1001

Material: MS/SS304

Capacity: 50 to 1000Lack or above



Customization options are also available

## Product Name :- Ro Water Purifier

### Product Specification:

Model: RAE/RO1001

Material: SS304

Capacity: 50 to 10000L.



Customization options are also available



## Product Name :- Chocolate Gems Forming Machine

### Product Specification:

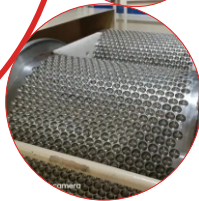
Model: RAE/CG1001

Material: SS304

Capacity: 100 to 1000KG



Customization options are also available



## Product Name :- Fin Tube Radiator

### Product Specification:

Model: RAE/FT1001

Material: MS/SS304/CU

Capacity: 100 to 5L KCal



Customization options are also available

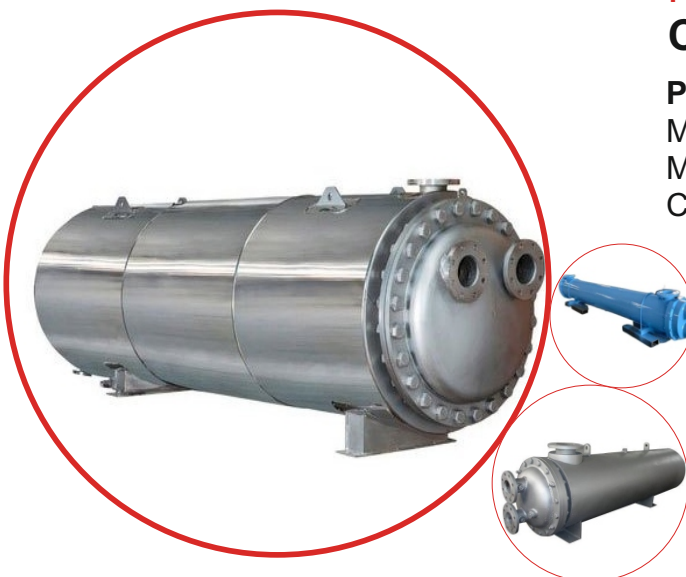
## Product Name :- Condencer

### Product Specification:

Model: RAE/C1001

Material: MS/SS304/CU

Capacity: 01 to 1000M Sq



Customization options are also available

**Product Name :-  
Chocolate Refiner**

**Product Specification:**

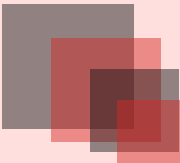
Model: RAE/CR1001

Material: MS/SS304

Capacity: 01 to 2000KG/H



Customization options are also available



**Product Name :-  
AL-Fin Tube Heat Exchanger**

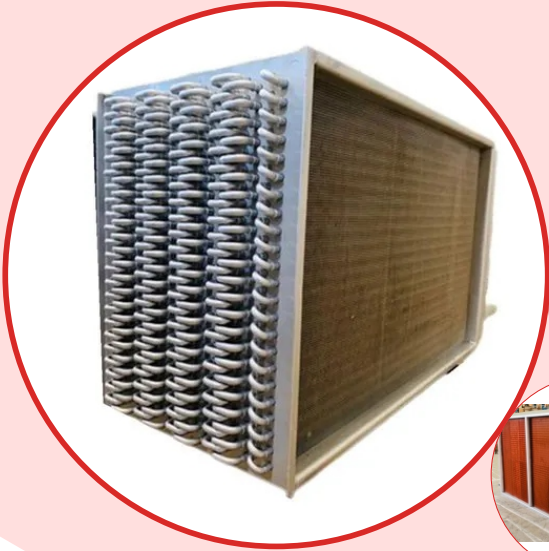
**Product Specification:**

Model: RAE/AL1001

Material: AL/CU

Capacity: 1000KCl<sub>a</sub> to 5L KCl<sub>a</sub>

Customization options are also available



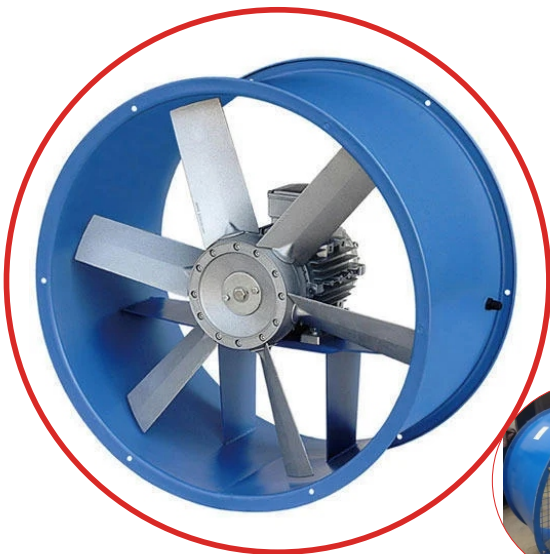
**Product Name :-  
Industrial Exhaust Fans**

**Product Specification:**

Model: RAE/IE1001

Material: MS/SS304

Customization options are also available





## Product Name :- D.G. Heat Exchanger System

### Product Specification:

Model: RAE/DG1001

Material: MS/CU

Capacity: 125Kva to 2.5M.W.

Customization options are also available



## Product Name :- Water Chiller

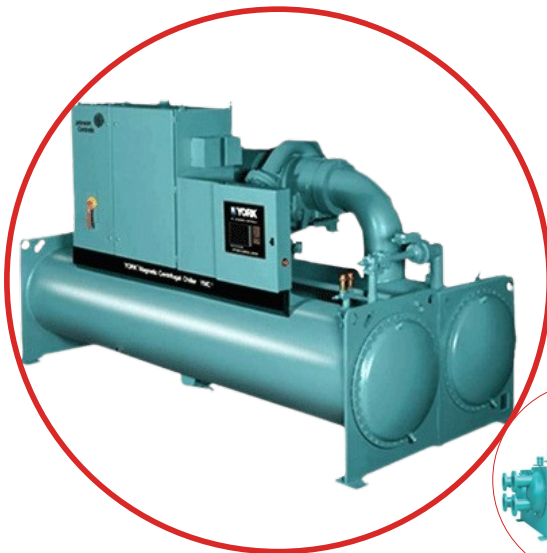
### Product Specification:

Model: RAE/WC1001

Material: MS/SS304

Capacity: 0.5T to 1000T

Customization options are also available



**Product Name :-  
Pulse Air Jet Bag Filter**

**Product Specification:**

Model: RAE/PA1001

Material: MS/SS304

Capacity: 5 to 1L MSq



Customization options are also available



**Product Name :-  
Reactor for Pharmaceutical**

**Product Specification:**

Model: RAE/RP1001

Material: SS304

Capacity: 500 to 50000 Lt.



Customization options are also available





**Product Name :-  
FRP Cooling Tower**

**Types:-  
Natural Draft/DRA FT/Cross Flow/Induced Draft**

**Product Specification:**

Model: RAE/FRPCT1001

Material: MS/SS304/FRP

Capacity: 5 to 10000Tr.

Customization options are also available

