

# COMPANY PROFILE

TUBE FINNING MACHINE & FIN TUBE RADIATOR



## PRAGYA PRECISION EQUIPMENT (A Unit of Pragma Group)

Designer, Manufacturer & Exporter of Equipment for Cold Rolling Steel Plant, Sheet Galvanizing Line, Saw Pipe Plant & Solvent Extraction Plant and DWTT ( Drop Weight Tear Tester ) & Tube Finning Machine & Fin Tube Radiator

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CEO

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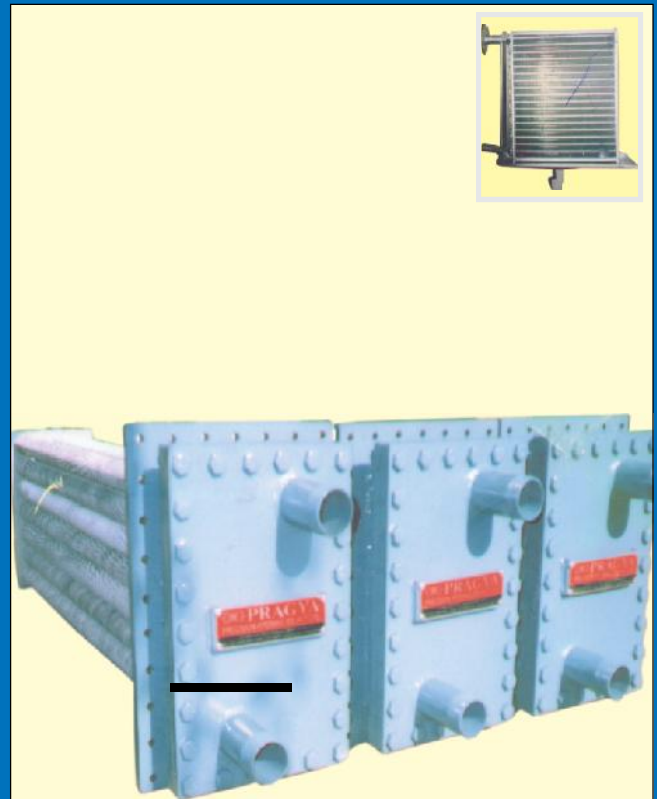
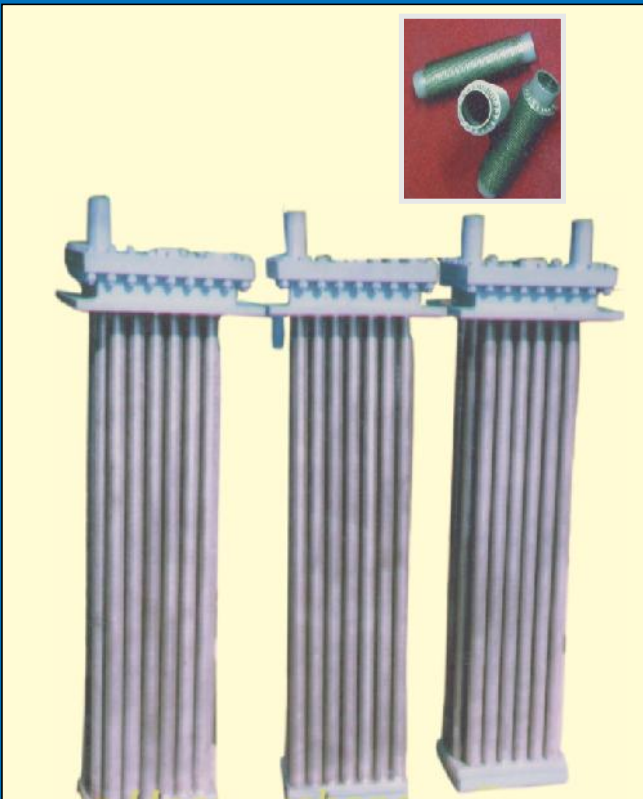
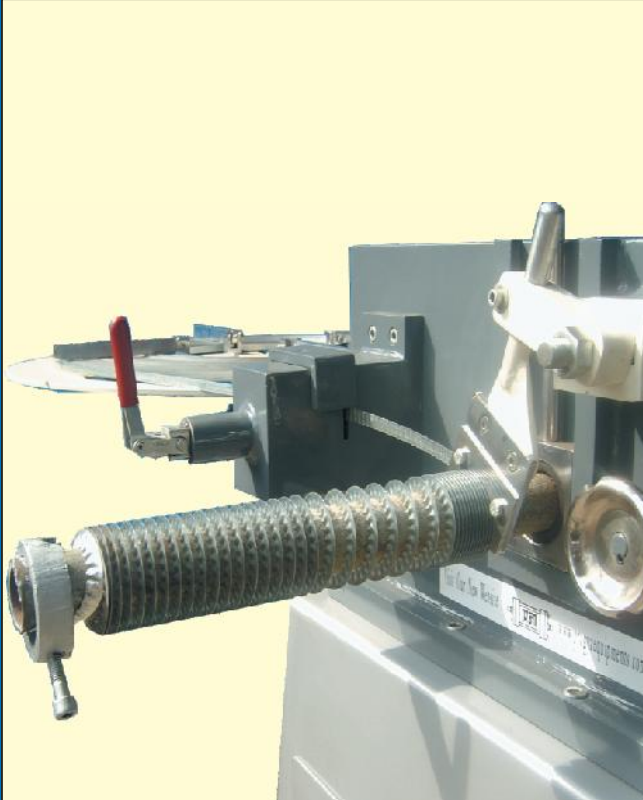
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# TUBE FINNING MACHINE & FINNED TUBE RADIATORS



## TUBE FINNING MACHINE



## MODULAR TYPE STEAM RADIATOR





# TUBE FINNING MACHINE

## Spiral & 'L' Type

### FINNED TUBES:

Continues Spiral / 'L' Wound Finned Tubes have crimp / 'L' fins, which increase the overall heat transfer surface area. Quicker decipation and higher heat-transfer coefficient is obtained in equipments fitted with Fin Tubes. Continuos Spirally Crimped / 'L'. Fin Tubes are made under high mechanical tension bonding process, in which fin material is helically wound over the tube to get maximum contact of tube & fin and only end of fins are brazed / welded to core tube. Therefore it achieves the highest efficiency and withstand high internal pressure.

These are used for heat transfer i.e. cooling / heating of water, steam, air gases, oils & many other vapours, fluids etc. These tubes are used in Fin Heat Exchangers, Steam Radiators, Autoclaves, Condensers, Dryers, Ovens, Furnace, Air Heaters, Oil Cooler, After Coolers and Air Compressors & many other Heat Transfer Equipments. Fin Tubes are widely used by Chemical, Petrochemical, Fertilizer, Food, Pharmaceutical, Paper, Textile & several other industries. These space saving, high efficiency Continuos Crimped Fin Tubes are made in Mild Steel, Stainless Steel, Aluminium, Copper, Brass etc. or in different combination of material. However 'L' type fins on made in Mild Steel, Aluminium & Copper only and tube material may be Mild Steel, Aluminium, Copper, Stainless Steel, Brass etc.

### FINNED COILS:

Continuos Spiral Fins (Without Tube), Fin Coils are used for U Shaped or any other odd shaped fabrication tube.

These are widely used for industrial Electric Air Fin Heater and Air Compressor's Cooling Tubes. These Coils replace the old-fashioned washer type separate fins. Instead of putting separate one by one single washer fin, they can put about 200 fins at a time, using Continuos Coil of Fins. This can make more Fin Heaters in lessor time, thus saving on labour cost substantially. Because of uniform spacing of fins with these Coils have a very appealing get up. Moreover total Heat Transfer Efficiency increase substantially because of Continuos Crimped Fin Design.



# TUBE FINNING MACHINE

## Spiral & 'L' Type

This machine works on the principle of Roto Advancing Mechanism of Tube, and Fins are Crimped and wound around the periphery of the tube under high tension

### CAPACITY :

- PTF - 40 (Spiral Type) : Suitable for Tube OD 8.0mm to 40mm  
Fin Height 5mm to 20mm. Fin Thickness upto 1.0mm
- PTF - 100 (Spiral Type) : Suitable for Tube OD 35mm to 100mm  
Fin Height 8mm to 20mm. Fin Thickness upto 1.0mm
- PTF - 40 ('L' Type) : Suitable for Tube OD 8.0mm to 40mm  
Fin Height 10mm (If height is other than 10mm machine will be designed accordingly to the requirement). Fin Thickness upto 0.6mm
- PTF - 100 (Spiral Type) : Suitable for Tube OD 35mm to 100mm  
Fin Height 20mm (If height is other than 20mm machine will be designed accordingly to the requirement). Fin Thickness upto 0.6mm

### POWER :

- PTF- 40 (Spiral Type) : 2.0 HP Geared Motor with V.F.D.
- PTF- 100 (Spiral Type) : 5.0 HP Geared Motor with V.F.D.
- PTF- 40 ('L' Type) : 3.0 HP Geared Motor with V.F.D.
- PTF- 100 ('L' Type) : 7.5 HP Geared Motor with V.F.D.

### CONSTRUCTION :

- Base : M.S. Fabricated with foundation provision and leveling arrangement.
- Body : Capsule type Roto advancing arrangement of Tube for continuous tube fin finning and mandrel arrangement for manufacturing of Fin Coil. Adjusting for pitch 2.0mm to 10.0mm FPI.
- Drive : Geared Motor with variable frequency drive to change speed for various sizes of tubes.

## HONOURS & AWARDS

### "STATE GOVERNMENT(MP) AWARD FOR EXCELLENCE (BEST SSI UNIT)"

Mr. L.C. Tolani, Chairman, **Pragya Group of Industries**, has been awarded "**STATE GOVERNMENT(MP) AWARD FOR EXCELLENCE (BEST SSI UNIT)**" by Ministry of Industry MP, Bhopal, during the National MSME meet on 14<sup>th</sup> feb 2012 at Bhopal.

This award was presented by the **Hon'ble Minister of Commerce, Industries & Employment, Information Technology, Science and Technology of Madhya Pradesh, Shri Kailash Vijaywargiya.**



### NATIONAL AWARD

Shri Lakhmichand Tolani Of Pragya Received "**NATIONAL AWARD**" For Out Standing Ssi Enterprenuer From Honourable Prime Minister Shri A.b. Bajpai On 30.08.2001 At Vigyan Bhawan, New Delhi,



### BHARAT VIKAS AWARD

Dr.S.Venugopalchari, Minister of state for Agriculture (Govt. of India) Presented "**BHARAT VIKAS AWARD**" to Mr. L.C. Tolani (Chairman of PRAGYA Group) ON 23.09.97



### MR. L.C. TOLANI INAUGRATING THE BANK PREMISES



# OUR MAJOR CLIENTELE FROM STEEL INDUSTRIES



KATARIA GROUP



You Name it... We Make it



Siddhartha Tubes Ltd.



Automotive & Tubular Products LTD



# OUR MAJOR CLIENTELE FROM SOLVENT EXTRACTION INDUSTRIES



Kosha Metal Tehran, Iran	Indian Soya Industries.	Noble Grain India Pvt Ltd	K. K. Protein Pvt Ltd
Mathura Extraction	Radha Krishna Extraction	Sharda Solvent Ltd	Sneha Foods & Feeds
Sunseed Oil, Malawi	Suruchi Foods Pvt Ltd	Swadist Oil Pvt Ltd	Mentora Oil Products
Agro Solvent Pvt Ltd	Durga Shakti Foods Ltd	Murliwala Agrotech P Ltd	Shrinivasa Agro Foods
Continental Milkosh India	Midex Global Pvt Ltd	Srinivasa Soya Products	Indo Prosoya Foods P Ltd
Narmada Solvex P Ltd	Kanpur Edible Pvt Ltd	Mectech Process Engg.	Bansal Solvent Pvt Ltd
Deegee Orchades Ltd	Itarsi Oils & Flours Ltd	Oilex Engg. India P Ltd	Khandwa Oil
Bhaskar Exoils Ltd	Kirti Agro Tech Ltd	MP Agro Foods Ind Ltd	Omsfree Agro Foods Ltd
Shri Siddhi Rameshwar	MP Glychem Ind Ltd	Suman Syndets (Export)	Bhakti Extraction P Ltd
Shiv Shakti Extraction	Maharashtra Oil Extract.	Malwa Vanaspati & Ch.	Maharashtra Solvent
Khalsa Overseas Ltd	Kamal Solvent Extrac. Ltd	Mavan Fats & Protien	Param Industries Ltd
Narsingh Extraction Ltd	General Foods Ltd	Dewas Soya Indus. Ltd.	Deesan Agro Tech Ltd
N K Industries Ltd	Nav Intel Foods Pvt Ltd	Sharda Solvent Ltd	Divya Jyoti Ltd
Novcon Industries	Ambika Solvex Pvt Ltd	Sanwaria Agro Oils Ltd	Abis Export
Khandesh Extraction Ltd	Nav Maharashtra Oil	Sai Simran Foods Ltd	Bunge India Pvt Ltd
Amrit Banaspati Co. Ltd	ALH Babangida, Nigeria	Sritech Engineers	Sneha Foods & Feeds Ltd
Seeta Shri Foods Products	Shiva Parvati Poultry	Shiv Shakti Extraction	Rohit Extraction