



PRAGYA PRECISION EQUIPMENT PVT. LTD.

(A UNIT OF : PRAGYA GROUP) · INDORE, INDIA

ISO 9001:2015

Certificate No. Q-205023092808



SPECIAL PURPOSE MACHINES

Tube Finning Machines & Fin Tube Radiators

Spiral and 'L' type finning machines for tube from 8 to 100 mm OD, and the finned tubes, radiators and heat exchangers made on them.

Tube Finning Machine & Finned Tube Radiators



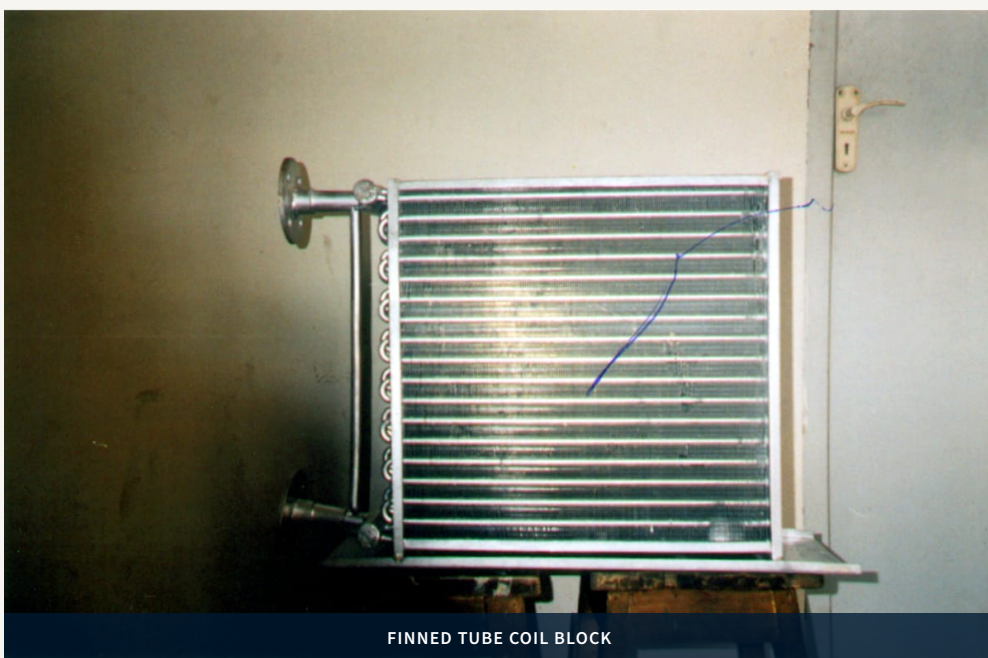
PTF-100 TUBE FINNING MACHINE



PTF-100 — DRIVE AND CONTROL SIDE



FINNED TUBE RADIATOR, CASED



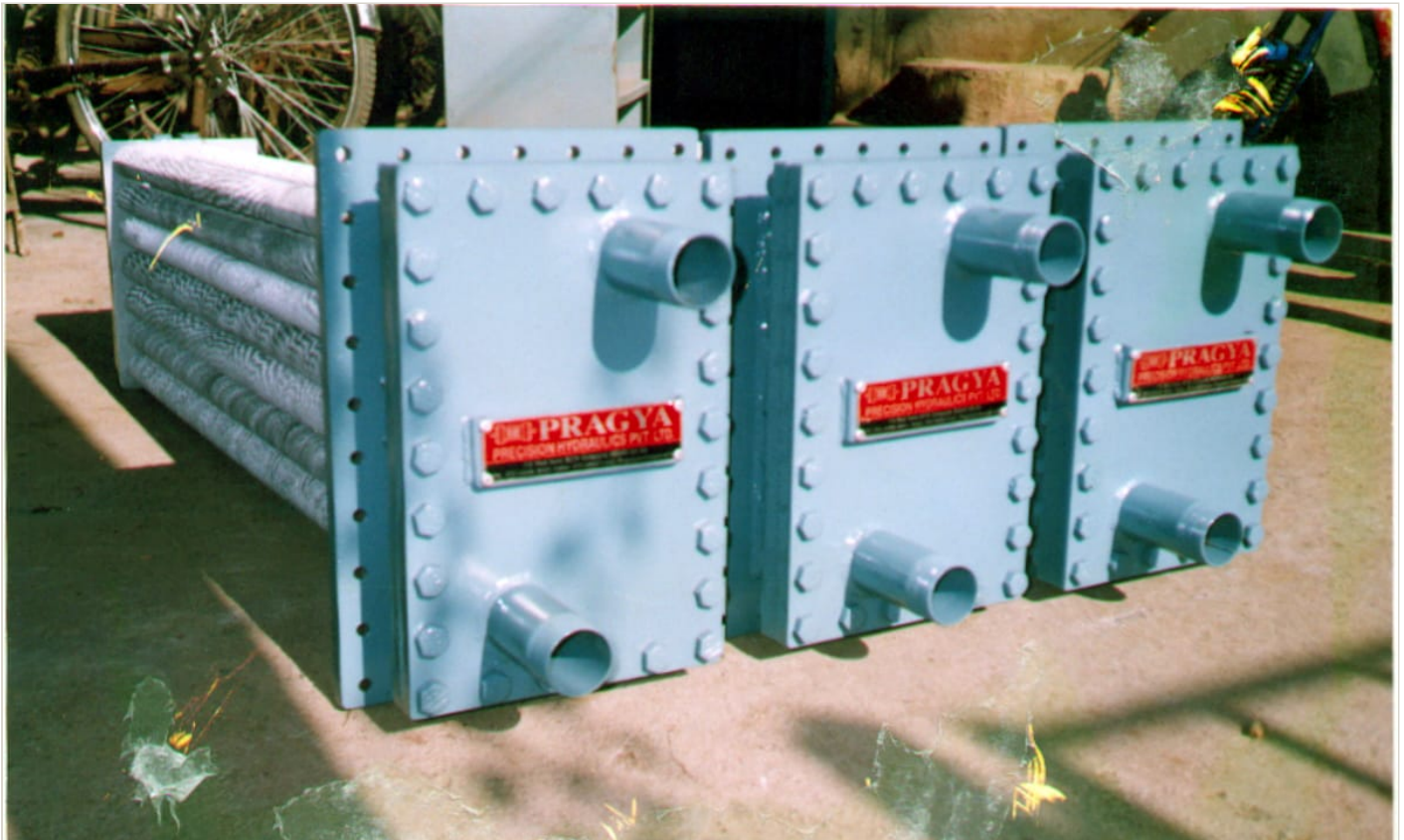
FINNED TUBE COIL BLOCK

Tube Finning Machine



TUBE FINNING MACHINE WITH THE FIN COIL REEL

Modular Type Steam Radiator



MODULAR TYPE STEAM RADIATORS, CASED

Tube Finning Machine

Spiral & 'L' Type

Finned Tubes:

Continuous spiral / 'L' wound finned tubes have crimp / 'L' fins, which increase the overall heat transfer surface area. Quicker dissipation and a higher heat-transfer coefficient is obtained in equipment fitted with fin tubes. Continuous spirally crimped / 'L' fin tubes are made under a high mechanical tension bonding process, in which the fin material is helically wound over the tube to get maximum contact of tube & fin, and only the ends of the fins are brazed / welded to the core tube. Therefore it achieves the highest efficiency and withstands high internal pressure.

These are used for heat transfer, i.e. cooling / heating of water, steam, air, gases, oils and many other vapours and fluids. These tubes are used in fin heat exchangers, steam radiators, autoclaves, condensers, dryers, ovens, furnaces, air heaters, oil coolers, 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 continuous crimped fin tubes are made in mild steel, stainless steel, aluminium, copper, brass etc. or in a different combination of material. However 'L' type fins are made in mild steel, aluminium & copper only, and tube material may be mild steel, aluminium, copper, stainless steel, brass etc.

Finned Coils:

Continuous 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 heaters and air compressors' cooling tubes. These coils replace the old-fashioned washer type separate fins. Instead of putting separate one-by-one single washer fins, they can put about 200 fins at a time, using a continuous coil of fins. This can make more fin heaters in lesser time, thus saving on labour cost substantially. Because of uniform spacing of fins these coils have a very appealing get-up. Moreover total heat transfer efficiency increases substantially because of the continuous 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 8.0 mm to 40 mm. Fin height 5 mm to 20 mm. Fin thickness upto 1.0 mm
PTF - 100 (Spiral Type) :	Suitable for tube OD 35 mm to 100 mm. Fin height 8 mm to 20 mm. Fin thickness upto 1.0 mm
PTF - 40 ('L' Type) :	Suitable for tube OD 8.0 mm to 40 mm. Fin height 10 mm (if height is other than 10 mm the machine will be designed accordingly to the requirement). Fin thickness upto 0.6 mm
PTF - 100 ('L' Type) :	Suitable for tube OD 35 mm to 100 mm. Fin height 20 mm (if height is other than 20 mm the machine will be designed accordingly to the requirement). Fin thickness upto 0.6 mm

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 :

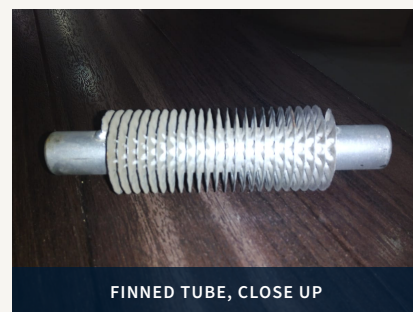
Base :	M.S. fabricated with foundation provision and levelling arrangement.
Body :	Capsule type roto advancing arrangement of tube for continuous tube fin finning and mandrel arrangement for manufacturing of fin coil. Adjusting for pitch 2.0 mm to 10.0 mm FPI.
Drive :	Geared motor with variable frequency drive to change speed for various sizes of tubes.



MULTI-ROW FINNED COIL



FINNED TUBE MODULES READY FOR ASSEMBLY



FINNED TUBE, CLOSE UP

Honours & Awards

STATE GOVERNMENT (M.P.) AWARD FOR EXCELLENCE (BEST SSI UNIT)

Mr. L.C. Tolani, Chairman, Pragya Group of Industries, was awarded the "STATE GOVERNMENT (MP) AWARD FOR EXCELLENCE (BEST SSI UNIT)" by the Ministry of Industry M.P., Bhopal, during the National MSME meet on 14th February 2012 at Bhopal. The award was presented by the Hon'ble Minister of Commerce, Industries & Employment, Information Technology, Science and Technology of Madhya Pradesh.



NATIONAL AWARD

Shri Lakhmichand Tolani of Pragya received the "NATIONAL AWARD" for Outstanding SSI Entrepreneur from Honourable Prime Minister Shri A.B. Bajpai on 30.08.2000 at Vigyan Bhawan, New Delhi.



BHARAT VIKAS AWARD

Dr. S. Venugopalchari, Minister of State for Agriculture (Govt. of India) presented the "BHARAT VIKAS AWARD" to Mr. L.C. Tolani, Chairman of Pragya Group, on 23.09.97.



OUR MAJOR CLIENTELE FROM STEEL INDUSTRIES



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