

TOTAL LENGTH OF MICROWAVE CONTINUOUS CURING LINE APPROX. 25M./ 34M./ 40M

PLC Control Panel

- Microwave continuous curing line is supplied along with PLC panel and control desk.
- PLC automatically decides number of magnetrons to be fired and number of heater banks to be used depends on cross-section of rubber profile.
- PLC also control vacuum cold feed Extruder and synchronises the total line speed to optimize rate of production.
- This modulating control of magnetron firing and heat input saves the electrical energy cost.



MAGENETRON

OSCILLATING FREQUENCY : 2450+ 50 MHZ
OSCILLATING OUTPUT : 1 to 6 kw



Thermo Microwave Heating Unit

MODEL	UHF Power (kw)	Frequency (MHZ)	Capacity (kg/Hr.)	Length (mm)
TMCS-06	0 ~ 6	2450±50	90~110	3000
TMCS-12	0 ~ 12	2450±50	220~260	5000
TMCS-18	0 ~ 18	2450±50	350~400	7000

HIGH VELOCITY HOT AIR TUNNEL

HOT AIR TUNNEL (ONE PASS TYPE)*			
MODEL	Heater Power (kw)	Total Tunnel Length(mm)	Tunnel cross-section size (mm)
THC-06	18	11000	100 x 100
THC-12	48	18000	200 x 200
THC-18	54	22000	250 x 250

*TWO PASS OR THREE PASS TYPES ALSO AVAILABLE ON REQUEST
*SPECIAL SIZE CROSS-SECTION OF TUNNEL CAN BE OFFERED ON REQUEST



Typical Cross-Section of Automobile Rubber Profile



And Many More

Microwave curing technique is widely used in Extrusion Rubber profile Industries to carry out continuous vulcanisation of Extruded solid or sponge products because of :

- * Rapid and uniform cross sectional heating.
- * More consistent and faster development of physical properties.
- * High production rate.
- * Excellent surface finish
- * Elimination of shrinkage.
- * Uniform cross-section with best dimensional stability.
- * Less tendency for bloom.
- * Lower load deflection properties for sponge.
- * Lower density can achieved.

- ➔ Thermopac UHF Microwave Continuous curing system is based on International Quality Standards.
- ➔ We under take the complete responsibility of design, supply, commissioning and startup of continuous Microwave curing Rubber Extrusion curing line.
- ➔ We also provide R & D pilot setup of Microwave continuous curing line for actual product trial on request for customer satisfaction at our factory.

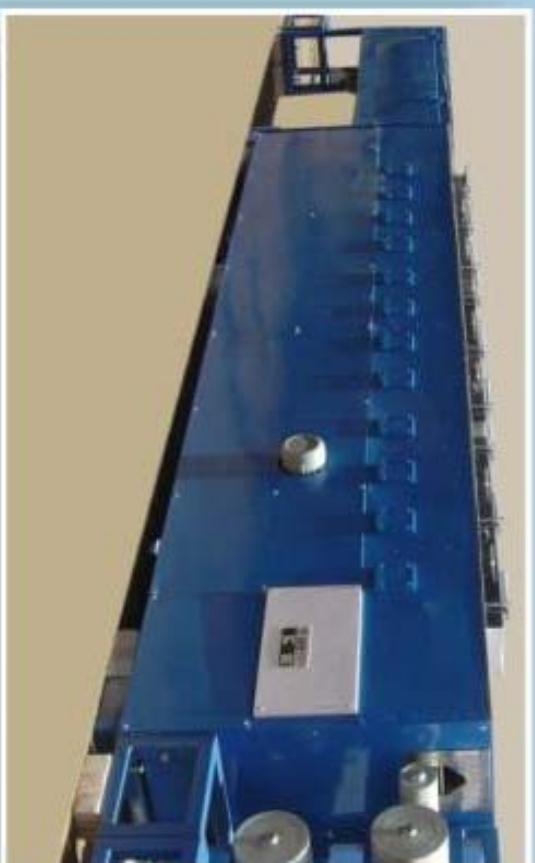
THERMOPAC BUSINESS AREAS

- + Industrial Boilers. + Chemical Equipments + Chilling Plants.
- + Turnkey Chemical Plants. + Lube oil refineries.



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MICROMET TM



**MICROWAVE CONTINUOUS
CURING SYSTEM**

**FOR BEST QUALITY OF
RUBBER EXTRUDED PROFILES**

