

ARMEC COOLING SYSTEM LIMITED

Plastic Industry



ARMEC cooling system is a leader in plastic industry. ARMEC has designed fully automatic, skid mounted units, about two decades ago and it was first who ever launched such type of revolutionary concept. Since 1977 ARMEC group has given 4 patents to India. ARMEC has also designed 40% power saving skid mounted, expandable ammonia chilling units which was very first in India. As we all know chilling plant is the heart of the plastic industry. 40% of power saving is a very big amount of saving.

ARMEC have very huge experience in refrigeration field and it has designing excellence in chilling units. Due to this reason ARMEC chillers have many silent features.

Advantages of our chilling plant

- It saves up to 40% power in comparison to conventional refrigeration plant.
- Factory tested, Portable and ready to install.
- Fully automatic.
- No need of operator.
- ARMEC chilling plants are skid mounted so no need of Foundation.
- Easy operating, maintenance free and 66% space saving compared to conventional system.
- Oil return from oil separator is also automatic.
- Can be expanded as per the need and load.
- Very less Gas quantity required.

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Silent features of our product in various industries are shown below:

1) Multilayer Industries

Silent Features of Our Chilling Plant in This Industry

- Maintain the proper film gauge to obtain the required film size
- Chill the air as per requirement
- Maintain a uniform distribution of properties of plastic material.
- Increase the production up to 25%
- Maintain the ratio of plasticizing capacity.



2) Plastic injection and molding industry (Plastic Industry)

Silent Features of Our Chilling Plant in This Industry

- Increase the production
- Maintain the total cycle time
- Increase the life of machine/mould
- Maintain a fine finish of the product
- Reduction in the wastage of raw material
- Reduce cycle time (Low cycle time)
- Accuracy in process control
- Lower the production cost



3) Tape line industry (Plastic Industry) / Lamination Industry

Silent Features of Our Chilling Plant in This Industry

- Obtain superior strength and quality
- High production of tape
- Maintain production ratio
- Increase the life of grooved feed
- Tape will not split

Silent Features of Our Chilling Plant in This Industry

- Obtain superior bonding
- No scaling problem in roller
- Increase in production
- Economic power consumption



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4) Pipe/profile industries

Silent Features of Our Chilling Plant in This Industry

- Increase the production up to 25%
- Economical in production cost
- Increase the life of size
- Single setting line speed
- Perfect ID and OD
- The part of ISI certification
- Obtain the fine finishing of products
- Reduction in wastage of raw material
- Reduction in power cost



5) Blow molding industries

Silent Features of Our Chilling Plant in This Industry

- Increase the production up to 35%.
- Economical in production cost.
- One step ahead in the competition Era
- Maintain the total cycle time
- Reduce cycle time (low cycle time)
- Increase the life of machine/mould.
- Maximum space requirement 4ft x 4ft.
- Obtain the fine finishing of products.
- Reduction in wastage of raw material.
- Accuracy in process control reduction in power cost
- Cool the articles in side by chilled air.

