

365 DAYS OF SNOWMAKING



american

SNOW⁺
F A C T O R Y


TECHNOALPIN[®]
snow experts



SNOW⁺
F A C T O R Y

Our snow is your success.



Skiing fun without limits You know the feeling – waiting each year for  temperatures! The ski resorts are always full of uncertainty as to when they can plan to open their runs. Those times are finally over! The Snowfactory from TechnoAlpin provides snow even at temperatures above 32°F (0°C)!



Areas of application The Snowfactory is not intended as a substitute for traditional snow-making equipment, but to complement it. It is ideal for providing snow in smaller sections at ski resorts or for events of any kind. Examples include snowboarding events, ski races in big cities or the lower sections of ski regions. Even Nordic centres are often located at lower altitudes and therefore obtain more planning security through the Snowfactory.

Snow without limits.



The principle The water is cooled to the freezing point through an efficient heat exchanger with an advanced and proven cooling technology. The machine is charged with a refrigerant, which stays in a closed and separated circuit. Snow is therefore made without any chemical additives. The snow is made out of small dry ice flakes. The Snowfactory is therefore the only system where the end product does not contain any residual moisture. The ice flakes have a temperature of 23°F (-5°C). Due to this low temperature the snow comes with additional cooling energy and melts very slowly. The quality of finished snow is achieved through being processed by a Pistebully. Only high quality components are used, which are characterised by a high energy efficiency. The construction is specifically sized for the particular cooling circuit.



Plus Day There are no complex constructions or installations necessary. The mobile model of the Snowfactory arrives at each site ready-for-operation in a container. After connection to an **electricity** and water supply, snow can be generated 24/7 – regardless of external conditions or the local water temperature.



Various models thanks to proven technology A variety of models and sizes can be produced thanks to the series maturity phase of the product and the well-proven technology. Through this a suitable solution can be offered for every field of application. There are even various possibilities for the snow distribution. They range from conveyor belts to fans and will be individually recommended by TechnoAlpin's expert team. Thanks to the pneumatic conveying concept, the snow can be distributed over a wide range extending to 65 horizontal feet and 164 vertical feet.



SNOW⁺
FACTORY

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Snow without limits.



 **Advantages**

Technology

Worldwide tested technology with high efficiency

Vast variety of model sizes available

Industrial production

TÜV approved

Innovative snow conveying systems

Integrable in ATASSplus and Liberty

Plug & Play

Snowmaking

Season planning via 24/7/365 snow production

No additives

High rate of stored cooling energy

Low heat transfer to ambient air

Very low melting rate



Project at a glance

The Snowfactory at Boreal



Boreal California, on the top of Donner Summit has been running the first Snowfactory in North America. The results have been quite spectacular. The Snowfactory has produced big piles of snow that photos don't do justice to because they are not only tall, they have breadth. Shaydar Edelman, Mountain Ops. Director and Matt Melilli, Snowmaking Manager, both agreed beside volume, the snow quality and the "shelf life" have been a pleasant surprise. They attributed the quality to the fact that the flakes are 100% frozen, unlike traditional machine made snow where almost always, some percentage is unfrozen. That of course helps with shelf life, but also the very large size of the flakes seems to resist melting more than natural or traditional machine made snow. The snow pushes out and grooms to create an excellent surface.



Boreal will continue to make Snowfactory snow well into August to host Camp Woodward Tahoe, which runs mid-June through the end of August. The goal is to offer campers a lift serviced, top to bottom park with good quality snow surfaces, all summer long.

Boreal may have a perfect application but there are many others. Tubing parks, cross country skiing, special events, close in urban ski hills where the market is huge but traditional snowmaking opportunities unreliable. The possibilities for Snowfactory are limited only by the imagination.



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