

全自動真空連続式脱湿乾燥機 業界初

AUTOMATIC VACUUM DEHUMIDIFYING DRYER (HERALDING THE BUSINESS WORLD)



据置タイプ



成形機上置きタイプ



操作パネル

概要

二酸化炭素など地球温暖化ガス排出量削減のためあらゆる分野で省エネ性の向上が求められています。パーパスは樹脂材料乾燥機に真空技術とセラミック技術を導入し、低ランニングコストによる優れたエコロジー&エコノミーを実現し平成12年度優秀省エネルギー機器日本機械工業連合会会長賞を受賞しました。

特長

1. 乾燥時間の短縮
・除湿乾燥機の約1/3の処理時間（ポリアミド）
2. 金型のメンテナンス回数の削減
・ヤニ等の不純物を真空ポンプで取り除くので金型の汚れが少ない
3. 低ランニングコスト
・除湿乾燥機の約1/3の消費量、年間約8280kwh削減（処理量:15kg/h時）
4. CO₂排出量の削減
・除湿乾燥機に比べ年間約2650kg-CO₂の削減（処理量:15kg/h時 CO₂係数0.32kg/kwh）
5. 品質の向上
・真空乾燥方式により材料が酸化されず黄変しにくい
6. 設置性の向上
・据置タイプは除湿乾燥機の約3/5。成形機上置きタイプも用意
7. 破碎物の混合比率の向上
・真空乾燥方式によりすばやく乾燥させるので粉碎物を多く混合できる
8. 見やすい操作パネル
・大画面で見やすい液晶タッチパネル
9. 全自動の簡単操作
・スイッチを押すだけの簡単操作
10. 作業環境の保全
・熱風乾燥式のように熱気を機外に出さないで作業環境保全が可能

Overview

Energy saving is demanded in all the area of industry by cutting generation of such as carbon dioxide. To this purpose, we introduced vacuum and ceramics technology, and realized ecology and economy with low cost, and we earned the Japan machinery Federation presidential prize of the commendation system for superior Energy-conserving Machinery in 2000 the year.

Feature

1. Cut of drying time
In case of polyamide, about 1/3 drying time is necessary compared with dehumidify dryer.
2. Reduction of times of maintenance of mold.
Dirt on mold is less as vacuum pump eliminates impurities such as resin.
3. Low running cost
Energy consumption is about 1/3 of dehumidify dryer. In case of treating amount of 15 kg/h, mean energy consumption per year is 8280 kWh.
4. Reduction of CO₂ generation
In case of treating amount of 15 kg/h, reduction of carbon dioxide generation is about 2650 kg CO₂ compared with dehumidify dryer. (CO₂ coefficient: 0.32 kg/kWh)
5. Improvement in quality
Materials do not become yellow, as they are not exposed and oxidized.
6. Improvement in installation
Installation space is about 3/5 of dehumidify dryer. Setting upon molding machine type machine is also available.
7. Improvement of mixing ratio of granulated material.
As granulate is quickly dried by vacuum dryer, more amount can be mixed.
8. Easily observable control panel
Large and easily observable liquid crystal control panel.
9. Full automatic and simple operation
Easy operation by only pushing of button.
10. Preservation of operation circumstance
Preservation of environment can be maintained as no hot gas evolves outside of machine as hot air dryer.



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