

無結露冷卻滾筒 Non-condensing Cooling Roller



【規格參數】 Specification

尺寸/Dimension	Φ200~800mm x L 900~2000 mm
線速度/Linear Speed	10~500m/min
溫度/Temperature	進水溫度最低可調至0°C Minimum water inlet temperature can be 0°C

【產品描述】 Product description

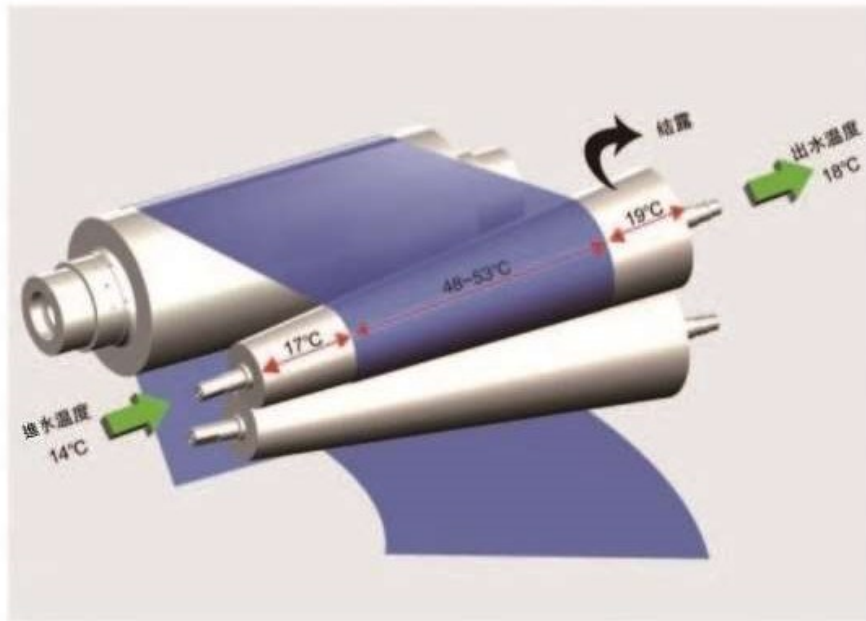
無結露冷卻滾筒主要起到迅速冷卻物料的作用，所以可以用作急冷滾筒、鑄片滾筒。無結露冷卻滾筒採用特殊的均溫技術，能將工作區域吸收的熱量迅速向兩端傳遞，這樣既能讓物料與滾筒的溫差(ΔT)大，加快熱量傳遞，又能確保冷卻滾筒兩端溫度只比工作區的溫度略低，因此無結露冷卻滾筒既能加快生產速度，又能降低廢品率幫助企業提升產值與產量。

Non-condensing cooling roller is used to quickly cool the materials, which employs special uniformly cooling technology. It can transfer the heat on the middle of the roller surface to the both ends of the roller, and enlarge the temperature difference between the material and the surface of roller. This will accelerate the heat exchange, and make less temperature difference between the center and both ends. Meanwhile, it can keep the temperature above the dew point. Therefore, this kind of technology not only can raise the production efficiency but also greatly improve the product quality.

【應用領域】 Main Applications

塑料薄膜
紙張印刷
食品包裝
藥品包裝
太陽能電池
液晶顯示器

Plastic film
Paper printing
Food packaging
Pharmaceutical packaging
Solar cell
LED display



傳統冷卻滾筒 —— 容易結露
 Traditional cooling roller : easy to condense



無結露冷卻滾筒-----不結露
 Non-condensing cooling roller : not easy to condense

【產品特色】 Features

滾筒面溫度高度均勻
Uniform surface temperature

滾筒面不結露，有利於提高產品品質
Non-condensation on roller surface, benefit to improve product quality

換熱快，可提高產能
Quicker heat exchange, benefit to raise production efficiency

【應用領域】 Main Applications

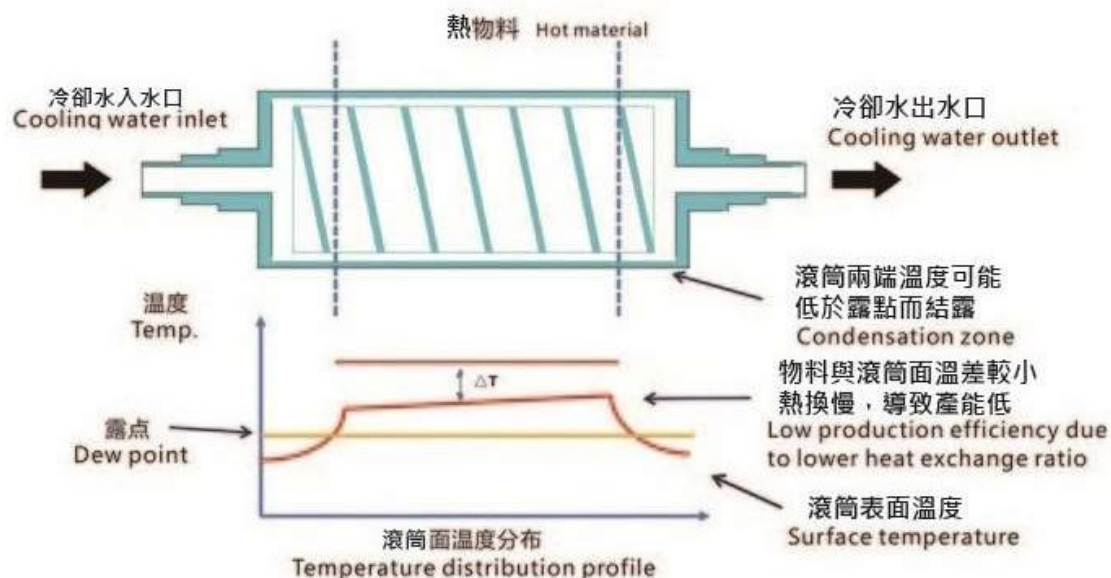
特種紙	Specialty paper
光學膜	Optical films
不織布	Non-woven

【與傳統冷卻滾筒相比】

Comparison between LEGION® Non-condensing cooling roller and traditional cooling roller



【傳統冷卻滾筒】 Traditional Cooling Roller



【無結露冷卻滾筒】 Non-condensing Cooling Roller

