



# PERFECT CABINET COOLING FOR YOUR **MACHINE TOOLS**

Pfannenberg thermal management solutions meet the requirements of industry for accurate temperature control and reliability – 24/7, all year round. Compact and designed for easy maintenance, our filterfans, cooling units and heating solutions represent the proper answer to the increasing customer demand for higher precision, performance and efficiency.

Fast throughput, long life and maximum machine availability are almost impossible to achieve without precise thermal management. This is particularly true for critical electrical cabinet components such as inverters.

Pfannenberg's know-how in cooling solutions has led to a wide **sustainable product range**, while our team of **trusted advisors** drives **customer-centric innovation** and delivers **the best customer experience**.

We develop **unique value** through high quality, cost effective, and energy efficient solutions for demanding industrial requirements.

Browse our complete portfolio of [thermal management solutions](#).



UL  
approval



service  
friendly



extreme  
ambient  
conditions

A PRECISE  
TEMPERATURE  
CONTROL OF  
THE CABINETS  
GRANTS  
**QUICK AND  
EFFICIENT  
PRODUCTION  
PROCESSES**

# Pfannenber Solutions

## for Cabinet Cooling



### Filterfans

Unique installation  
EMC variants  
High protection class

Patented „click and fit“ mechanism without screws  
No interference from electromagnetic waves  
IP55 with fluted filter mat in stressed environment



### Side and Door Mounted Cooling

Operational Safety  
Easy maintenance  
Flexible Design

Machine downtime is reduced  
No filter exchange, long-term functionality  
Compact devices, cut-out compatible



### Top Mounted Cooling

100% condensate safety  
Operational Safety  
Space-saving

Due to patented condensate management system  
Cold air reaches the ground safely without aids  
Integration into existing halls & plants



### Heater, Thermo-/Hygrostats and Fans

Operational safety  
Control variants  
High lifetime

Condensate and frost prevention  
Thermostats and hygrostats also as combination  
Avoidance of hotspots by internal fans



### Air/Water Heat Exchangers (Side and Top Mounting)

Cost-saving  
High flexibility  
Hot environment

If water is already provided  
Cutouts compatible with the active cooling devices  
Cools independently of the environment

### Global Technical Service

24/7 worldwide presence | Commissioning, repair and maintenance | F-GAS leakage tests | Spare part kits | Service trainings | Warranty extension | Customized service contracts | Customized stocks | PSS - Pfannenber Sizing Software



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