

Paxton engineering eliminates manual drying challenges for leading medical device producer.



Fully
Automated
Drying



Compressed
Air Costs
Eliminated

Paxton's advanced Air Knife Systems provide automated drying solutions for complex medical component manufacturing.

Problem

An American medical device manufacturer relied on manual compressed air wands for drying PCBs and perforated polycarbonate components. This labour-intensive process created ergonomic issues and inefficient resource allocation.

Implication

The labour-intensive manual drying process created ergonomic risks for operators, while consuming expensive compressed air. Staff deployment was inefficient, preventing workers from engaging in higher-value production activities.

Solution

Paxton engineered a system using Stainless Steel Air Knives powered by PX-2000 blowers. The automated solution included noise-reducing enclosures and variable frequency drives, eliminating manual handling while maximising drying efficiency.

Steve Hand

Sales Engineer
SolvAir UK

“ This installation demonstrates how Paxton's Air Knife and blower technology eliminates manual handling challenges. Their solution dramatically improved process efficiency while reducing operational costs and improving workplace safety. ”

Example Product Drying Rack

