

Case History 105

Industry:

Wood working

Components/Products:

Kitchen cabinetry manufacture.



Background: Novart Oy is Finland's leading manufacturer of kitchens and cabinetry with more than 50 years of experience in the furniture manufacturing field. Novart is part of the Nobia group of companies, the leading manufacturer of kitchens in Europe. The manufacturing process has two sensitive areas, where sawdust and other particles could cause problems and add unnecessary time and money to the product.

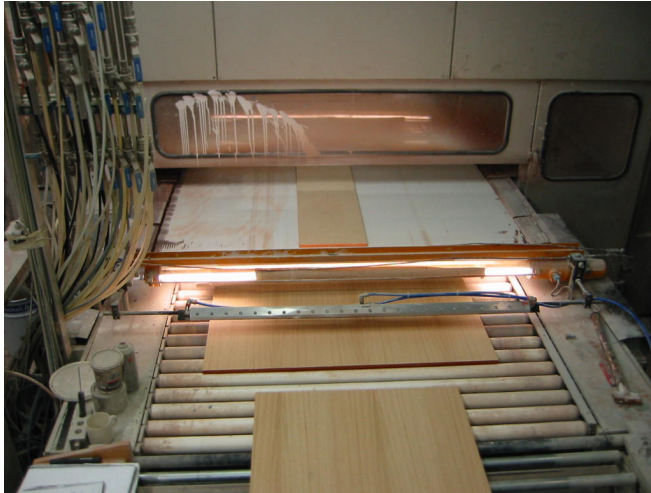
Problem #1: When cabinet sections called "plates" were initially sawn and sanded, dust and other particles were deposited on the flat surfaces. It was found that scratches occurred when the plates were stacked together requiring additional work.



Solution: Two Model 110042 Super Air Knives remove dust particles from the surface of plates.

Problem #2: The last manufacturing process for doors and plates is generally painting or staining. After final sanding, fine dust must be removed to ensure the excellent finish Novart Oy demands.

Before painting



After painting



Solution #2: A **Model 110048 Super Air Knife** removes sanding dust before painting.

Comment:

Before changing to EXAIR Super Air Knives, drilled pipe and rotating brushes were used for cleaning. The brushes were unable to remove all the dust affecting quality and the drilled pipe delivered a poor inefficient blow off pattern with high noise levels.

The Super Air Knives removed all the dust and small particles from the surface of plates and doors. They were simple to install, used less energy, need no maintenance and the sound level was much lower.

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