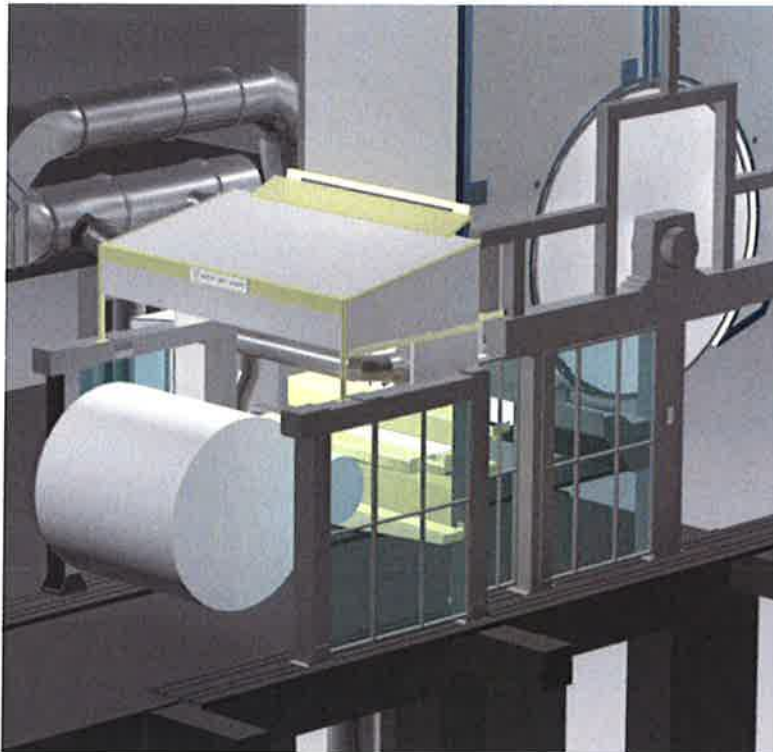




SCA Hygiene Products U.K.
Oakenholt PM2

Dust removal system for Tissue machine

 **NOVIMPIANTI**
DRYING TECHNOLOGY

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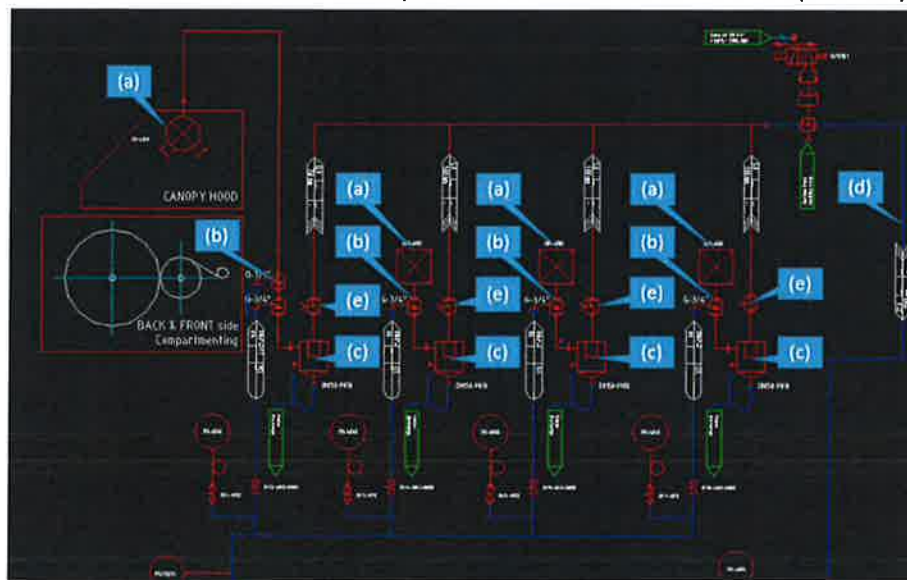
Tissue Dust/Ventilation Technology Platform

1.PROCESS DESCRIPTION

1.1 SYSTEM DESCRIPTION

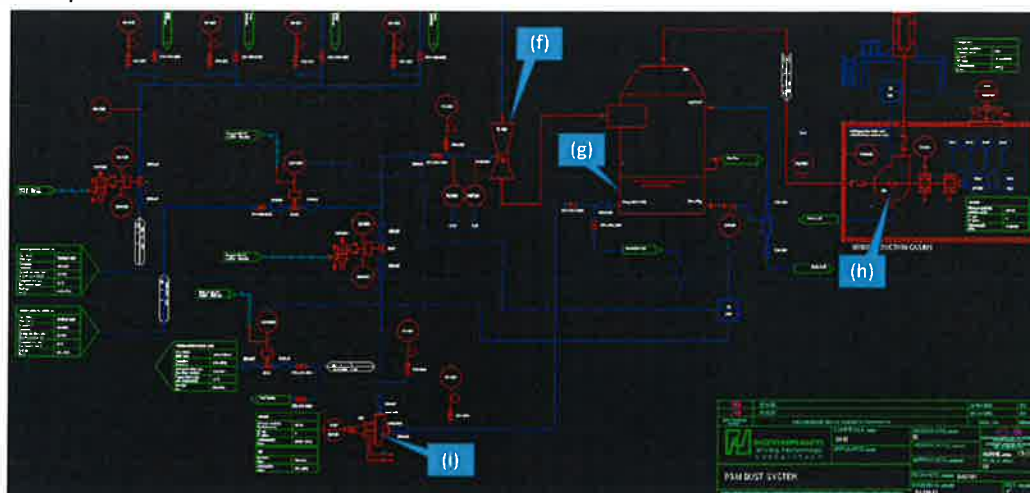
Novimpianti Drying Technology will provide a custom engineered and designed dust control system on the tissue machine that will manage dust through specially designed suction boxes and compartmenting.

The captured dust, by means of suction boxes (a), will be washed with water spraying nozzles (b) positioned just at suction box outlet and separated independently with local cyclone separators (c). From here air will be conveyed to main duct manifold (d) through ducting from each of the hood locations to the main duct conveying line. Each branch line will have a damper used to balance the air flow independently (e).



From main collecting manifold air will then be conveyed to the venturi section (f) where further water spray will act and then to main cyclone section (g) and from there to the exhaust fan (h).

Water with collected dust can be-recirculated by a pump (i) and partially sent back to machine water treatment system.

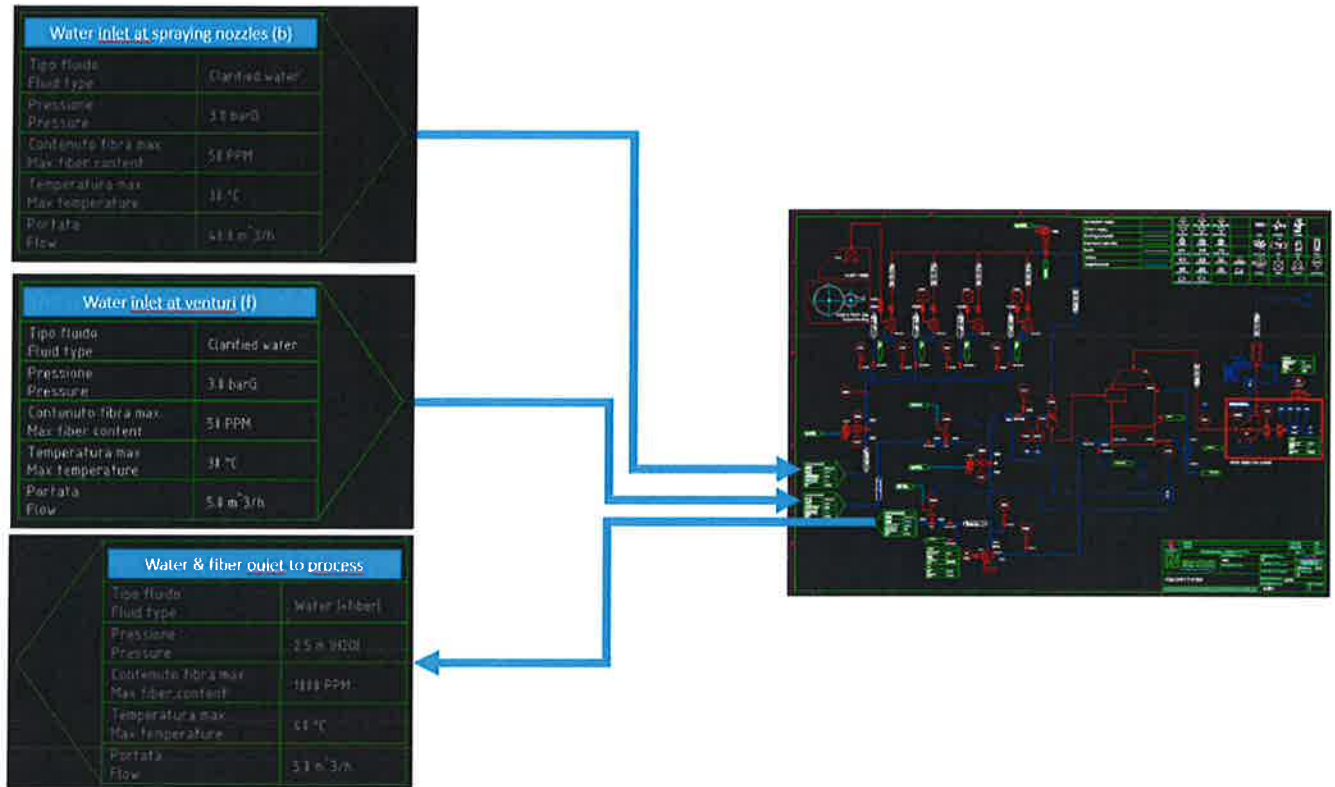


2.INPUT PROJECT DATA

DESIGN DATA	
Production (kind of paper)	Toilet, napkin and towel
Raw material	Virgin fiber
Basis weight range at reel (A.D.)	15 - 25 g/m ²
Design production (at reel and 100% eff.)	200 tons/day
Paper width at reel	5600 mm
Max Yankee speed	2000 m/min

3. WATER FLOW

Water flow with fiber content at design condition.



4. AIR FLOW AND EMISSIONS IN ATMOSPHERE

Air flows and emissions in atmosphere at design point as per following data.

