



10-LAYER WATER QUENCHING LINE

powered by
ALPHA MARATHON

170 Hanlan Road, Woodbridge

Ontario | L4L 3P6 Canada

Phone: (905) 265 - 2055

Fax: 905 265 - 8817

e-mail: alpha@alphamarathon.com

web: www.alphamarathon.com

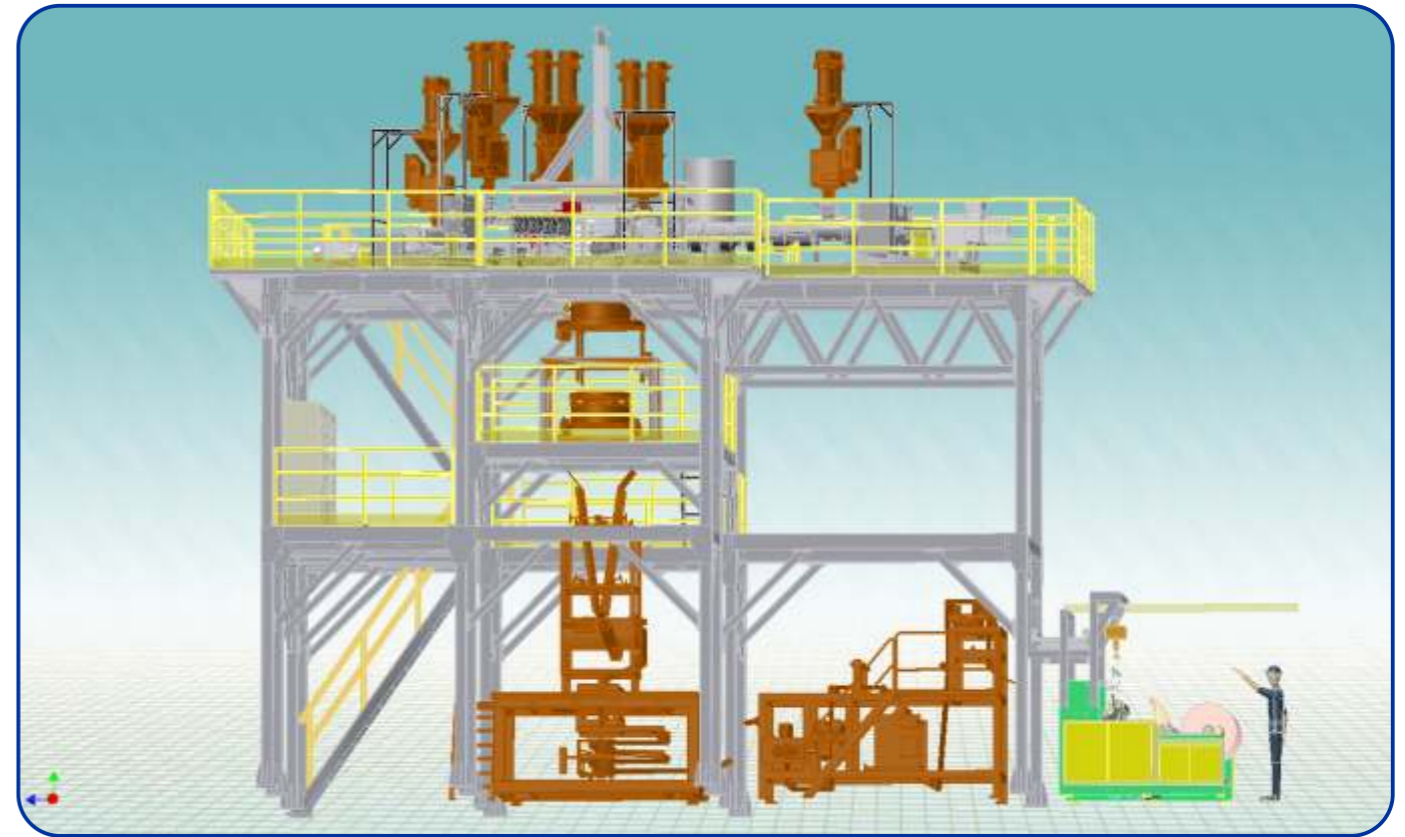
YOUR VISIBLE VALUE



ALPHA GLACIER



The attraction of water as a cooling agent compared to air becomes obvious upon considering the thermal characteristics of the two substances. The greater heat capacity of water compared to that of air offers the potential to achieve better heat transfer between the film and the water.



Benefits:

- ❖ No Edge trims, thus more economically favorable
- ❖ Improve thickness deviation of +/- 4-6 % distributed over the whole roll width by means of oscillating haul off
- ❖ Improve Barrier and Shrink film properties
- ❖ Increased rapid cooling to minimize crystallization and prevent amorphous stage
- ❖ Improved film rolls geometry
- ❖ Producing of variable tubular film fitting the desired lay flat needs
- ❖ Integration of low biaxial orientation, making film with more balanced mechanical properties
- ❖ Improved Film opaque (optical) properties versus blown film
- ❖ Decreased cooling height requirements, lowering shop building and tower height
- ❖ Higher output achieved similar to Cast Film, requiring less investment in capital equipment and floor space
- ❖ Less energy consumption vs. upward blown film
- ❖ Operator friendly low maintenance process handling
- ❖ Flexibility to utilize less expensive resin as oppose to Premium resins to achieve optimum film properties
- ❖ Film becoming even more thermo formable
- ❖ For non symmetrical film structure, film curling in water quenching line may be improved