

CO₂ Emission Control Technology(WMA) Bubble Mixing System

(Asphalt and Rejuvenator Foaming Technology)

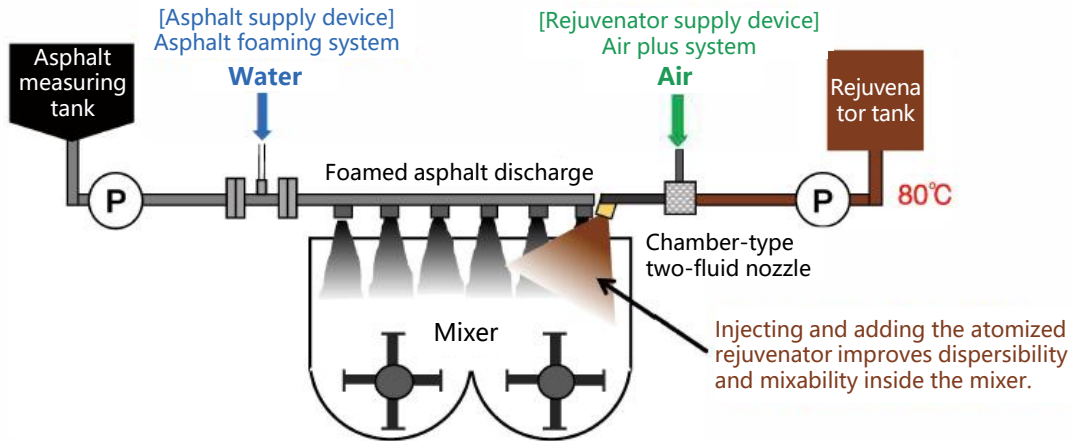
Technologie de réduction des émissions de CO₂

Système Bubble Mix

(Technologie de moussage pour l'asphalte et les agents de régénération)



Overview of the production system



Foamed asphalt

(Volume expansion due to foaming)



Ordinary asphalt



Foamed asphalt

Foamed rejuvenator additive

(Micro-bubbled)



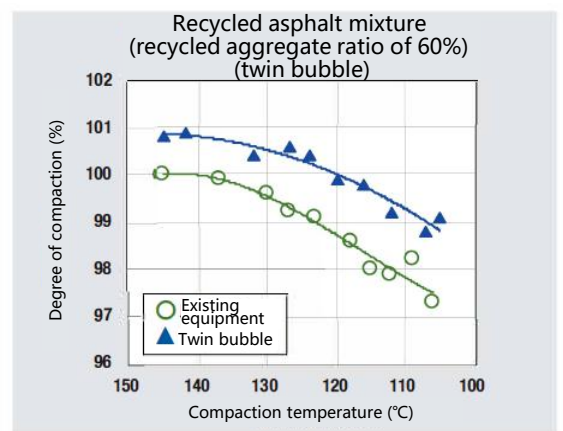
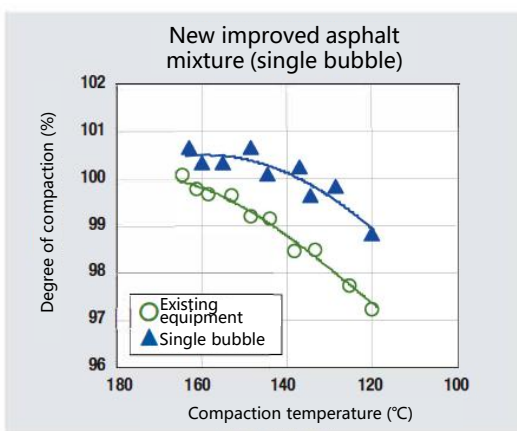
Atomized state



Microscope image
(spherical shapes indicate air bubbles)

Bubbles improve dispersibility and mixability

Performance of the mixture produced through the bubble mixing system (Example)



Both new and recycled mixtures can achieve the required degree of compaction even when the temperature is reduced by 20°C.

CO₂ emission reduction effect

Lowering the mixture production temperature by about 20°C results in approximately 15% reduction.

