

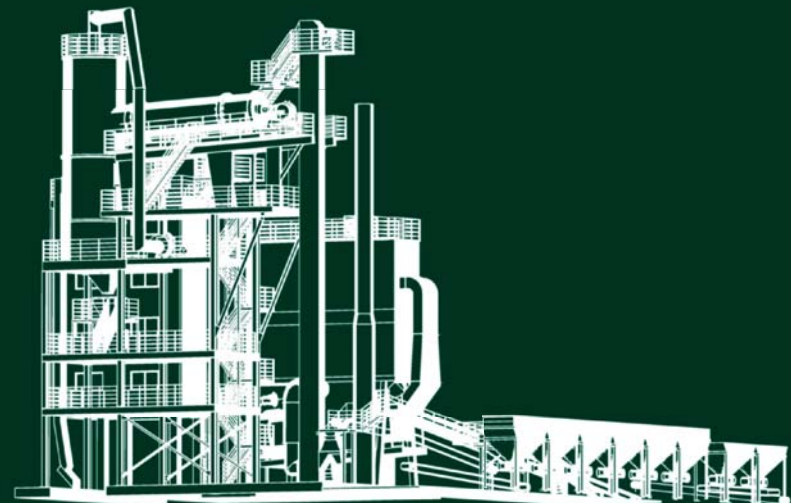


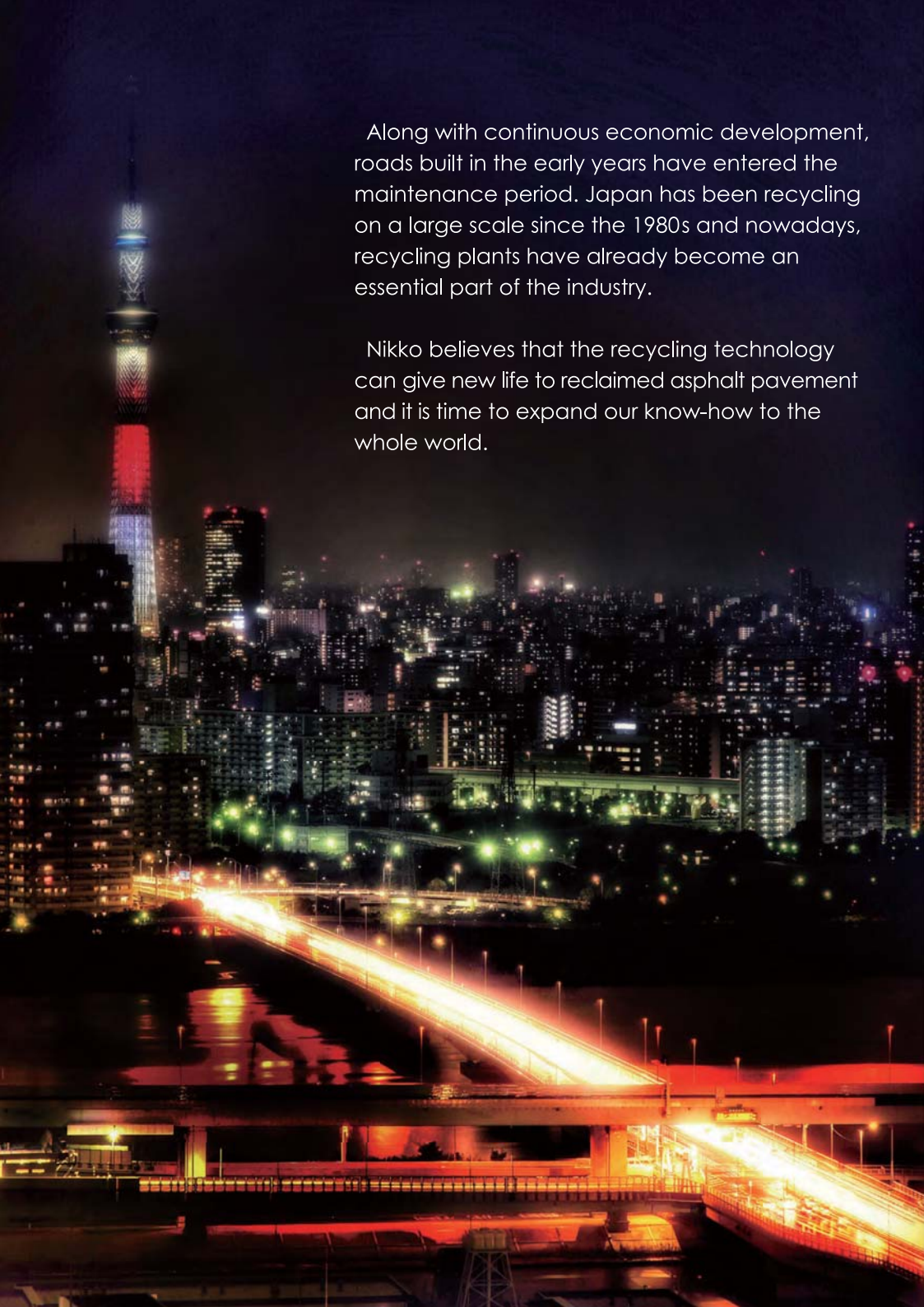
RECYCLING SYSTEM



NIKKO CO., LTD.

International Marketing Department
Nissenren Asahiseimei Bldg. 5F, 3-4-2, Kandasurugadai, Chiyoda-ku, Tokyo, 101-0062 Japan
TEL +81-3-5298-6706
FAX +81-3-5298-6712
URL : <https://www.nikko-net.co.jp/en/>



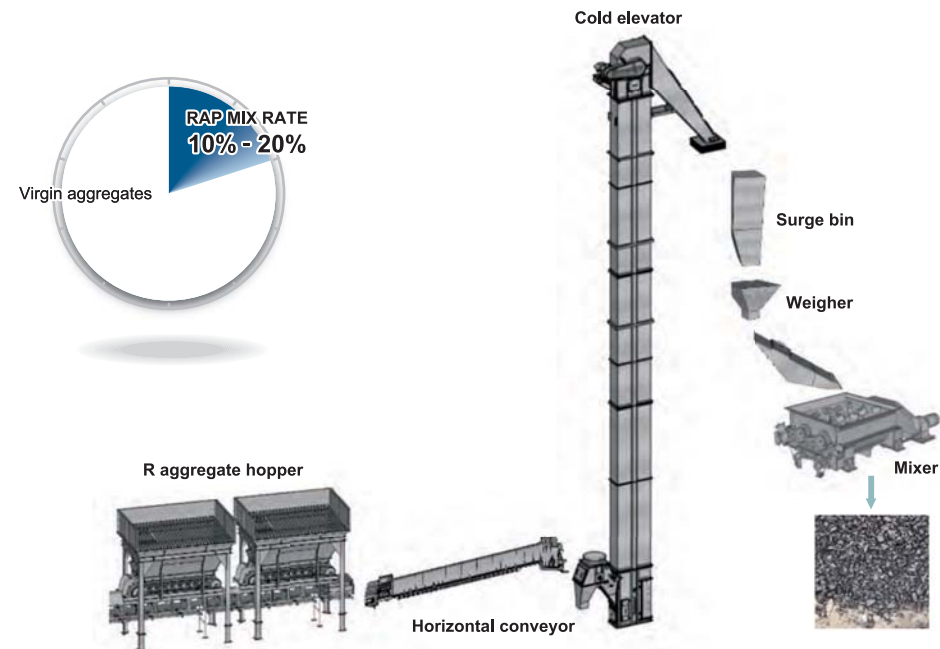


Along with continuous economic development, roads built in the early years have entered the maintenance period. Japan has been recycling on a large scale since the 1980s and nowadays, recycling plants have already become an essential part of the industry.

Nikko believes that the recycling technology can give new life to reclaimed asphalt pavement and it is time to expand our know-how to the whole world.

Recycle Kit type - NRK series

< Non-heating recycling system >



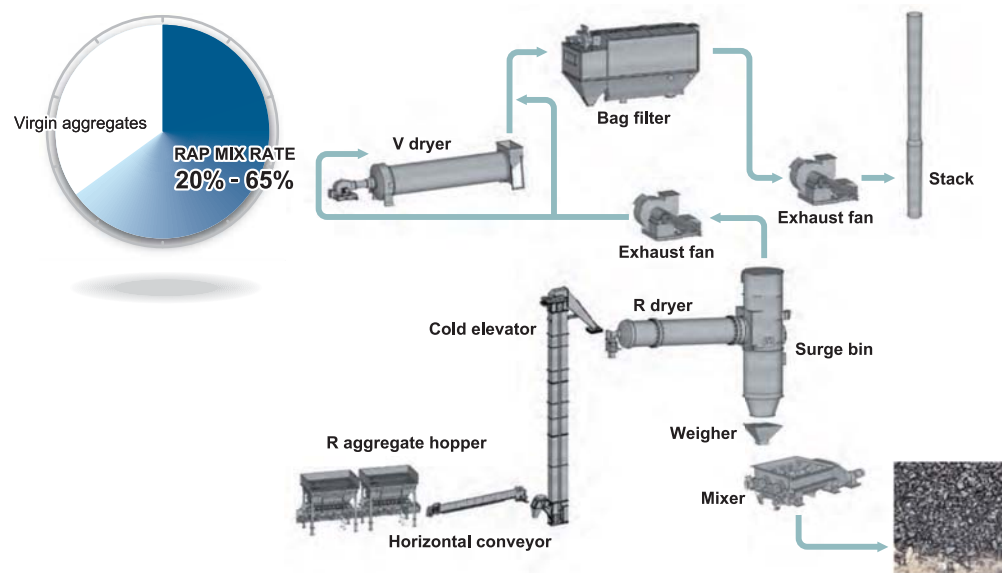
- > RAP (reclaimed asphalt pavement) is directly fed to the mixer
- > Suitable for areas with small amount of RAP
- > Heating and drying unit not required
- > Can easily be attached to existing plant
- > Minimum initial cost



Top-Drum Unit type

NRU · Topα - 30 / 45 / 60 / 80 / 100 / 120 / 160

< Heated RAP >



Reduce adhesion to R dryer

Maintain mixing capacity when adhesion starts

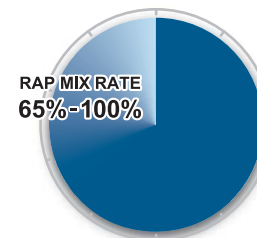
- > No additional space required ⇒ Recycle dryer is placed on top
- > Simple and easy maintenance
- > Short installation period ⇒ Skip elevator not required
- > High efficiency ⇒ Direct heating and refurbished blades



Recycling Plant

NRPα - 30 / 45 / 60 / 80 / 100 / 120

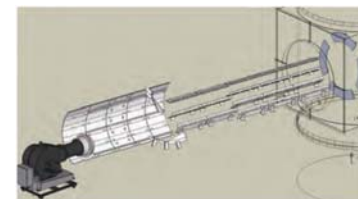
< Exclusively designed for hot mix with high RAP content >



Independent type
Maximum performance

- > Compatible with high RAP content
- > Equipped with all the devices required to produce recycled mixture
 - ⇒ Standard specifications: recycle dust-collecting and additives supply system
- > Not affected by virgin asphalt plant's operation condition

Renovated Design



Performance enhancement type dryer
blades: Separate flights

- > Ideal formation of aggregates veil inside dryer
- > Maximum heat efficiency

Elimination of combustion chamber

- > Direct formation of flame inside dryer drum
- > Reduce heat loss
- > Lower running costs (exchange of combustion chamber is not necessary)

Elimination of R gas return duct

- > Simplified structure and easy maintenance
- > Lower costs and space saving

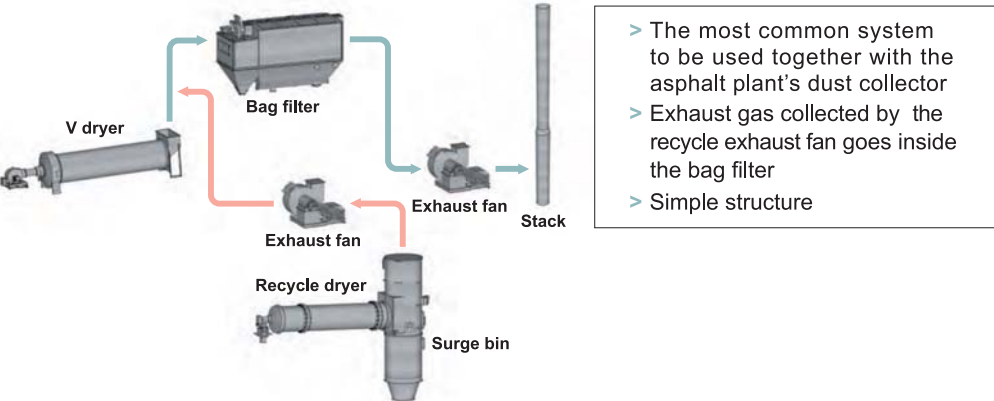
Additional retention ring

- > Improved temperature control
- > Thorough heating of RAP

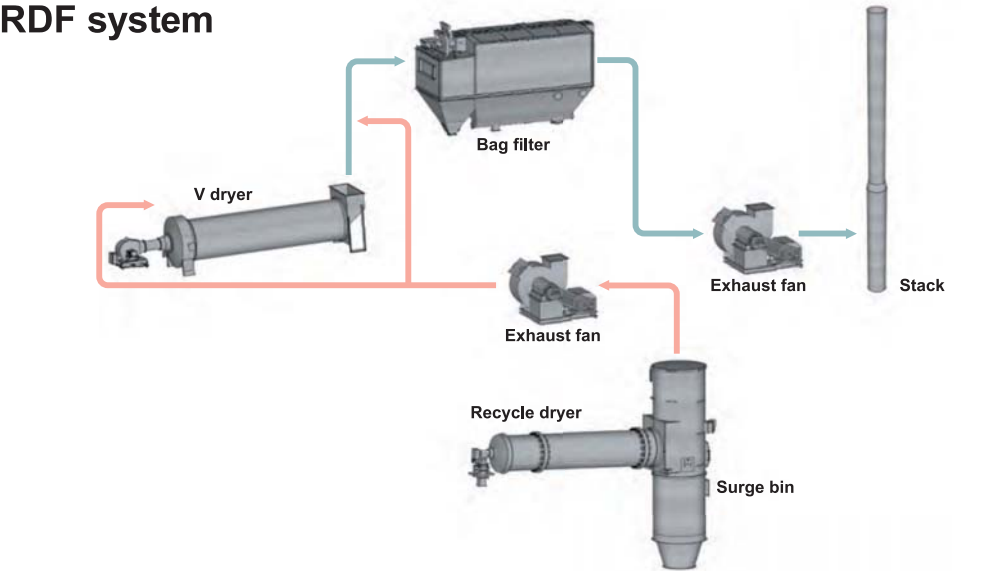
Exhaust Gas Treatment System Lineup

The selection of a suitable exhaust gas treatment system depends mainly on the factory scale, plant site, and the neighbouring environment.

RF system



RDF system



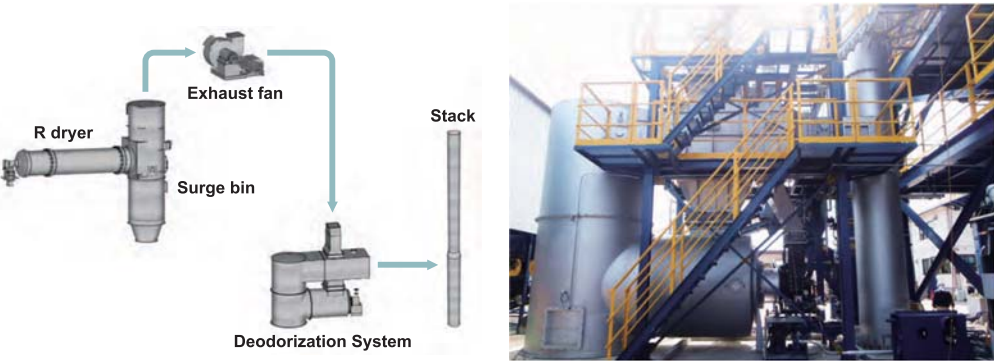
- > Exhaust gas collected by the recycle exhaust fan goes to both the virgin dryer and the bag filter
- > Heat of the exhaust gas is reused at the virgin dryer
- > Reduce burden to filter cloth

Deodorization System

Odorous components (mainly hydrocarbons) in exhaust gas are decomposed into carbon dioxide gas and water by direct combustion.

Double Burner Deodorization Type

- > Gas with odour collected by exhaust fan is heated by an independent burner
- > Exhaust gas emitted will pass through a heat exchanger to reutilize the energy
- > Suitable for plants with long and continuous operating hours



Crushing System

NCDP・N Series 45ton/hr, 60ton/hr, 80ton/hr, 100ton/hr



Feeding ⇒ Crushing ⇒ Screening

- > Low noise
- > Low vibration
- > Low pollution
- > Wear resistant
- > Easy maintenance

