

The Guideline for Hot Mix Asphalt Recycling in Plant

in a nutshell

Dr. Ruud Reintjes

Production of recycled asphalt is:

as easy and as complicated

as production of hot asphalt

Don't worry, but take care to do it the right way

Why recycle asphalt?

- valuable materials
- less virgin materials
- no waste disposal
- legislation

Why recycle hot?

- highest technical value
- recycleble again and again

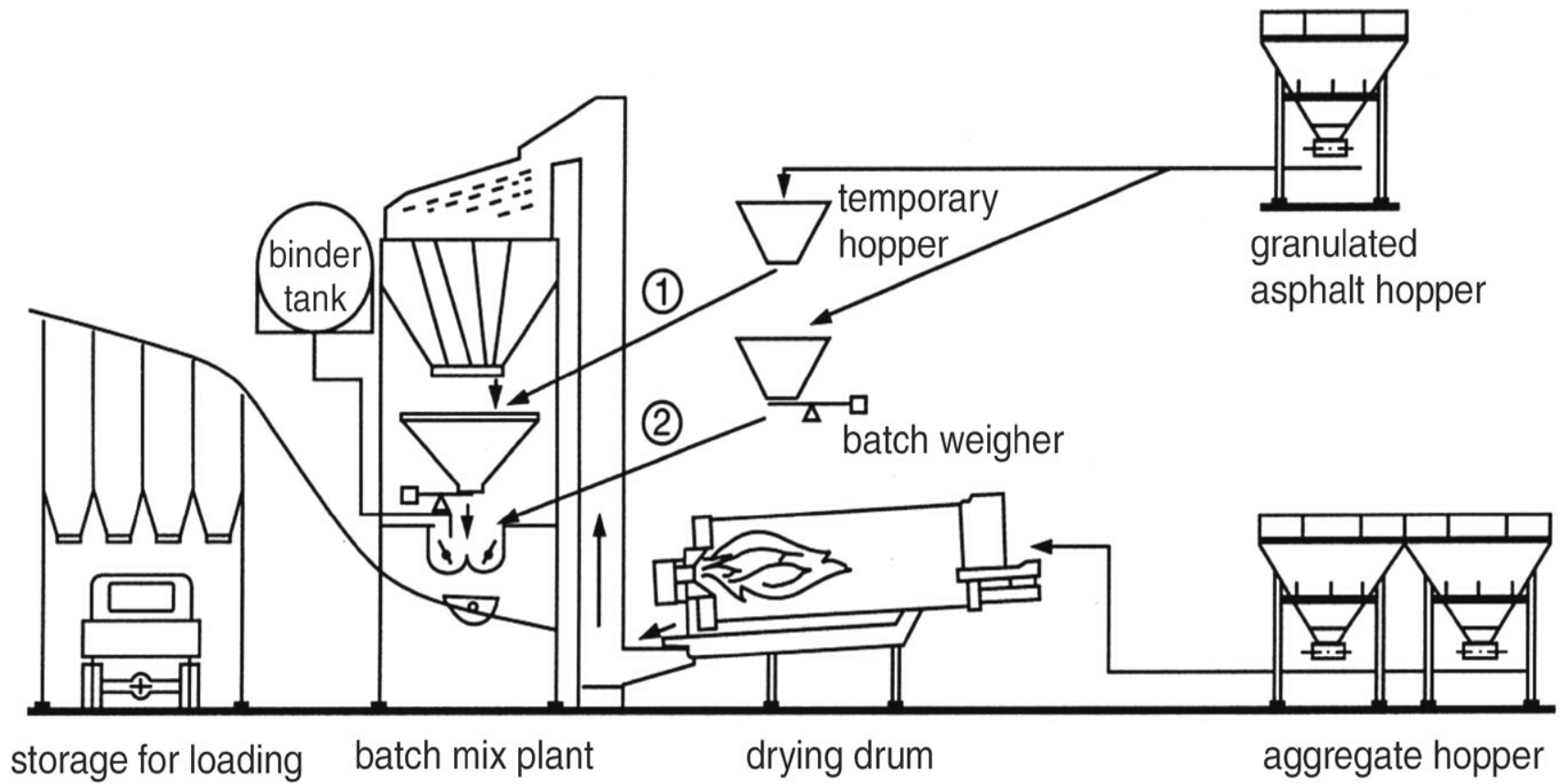
When recycle old asphalt?

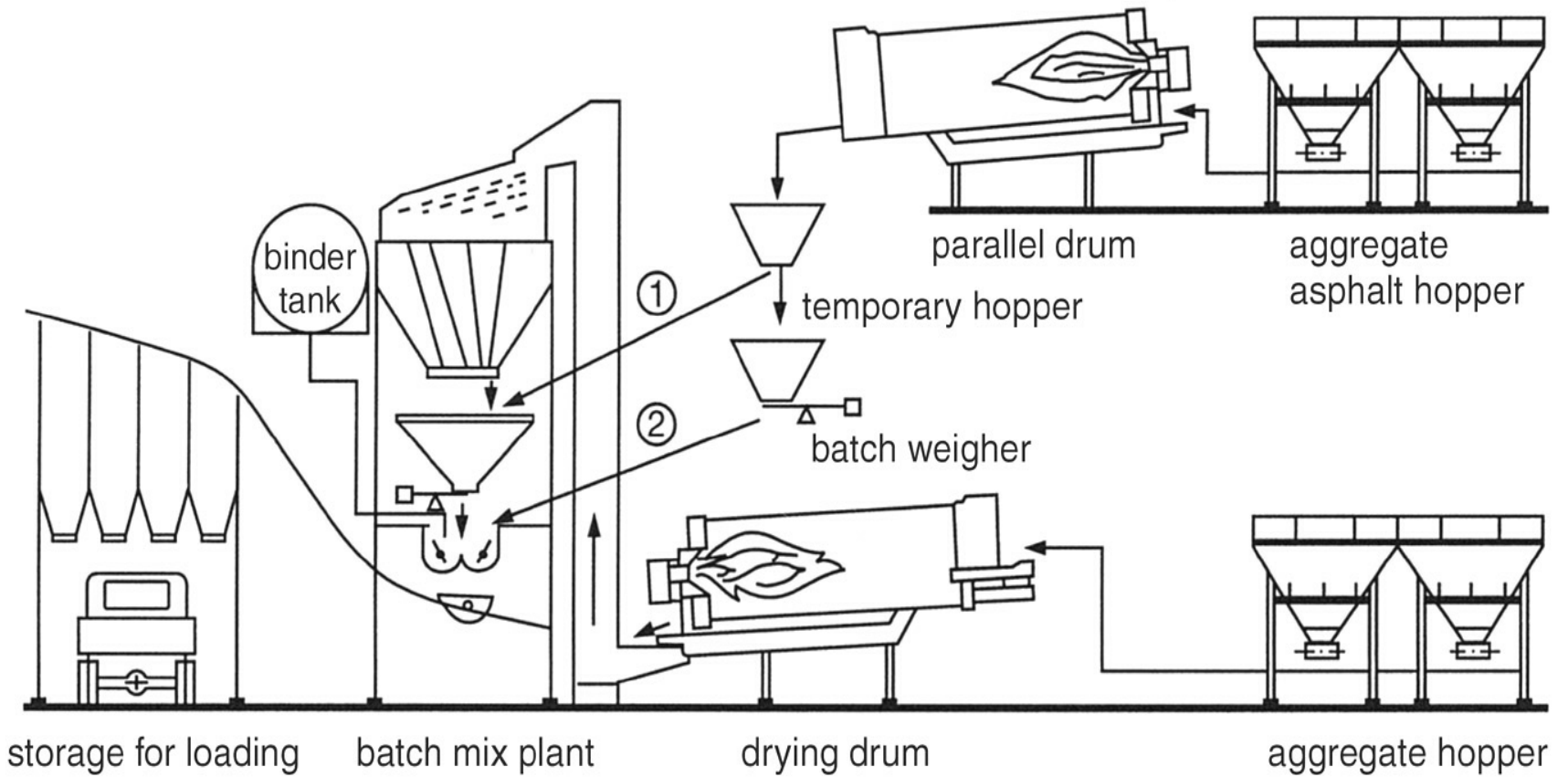
- enough old material

- cost effective

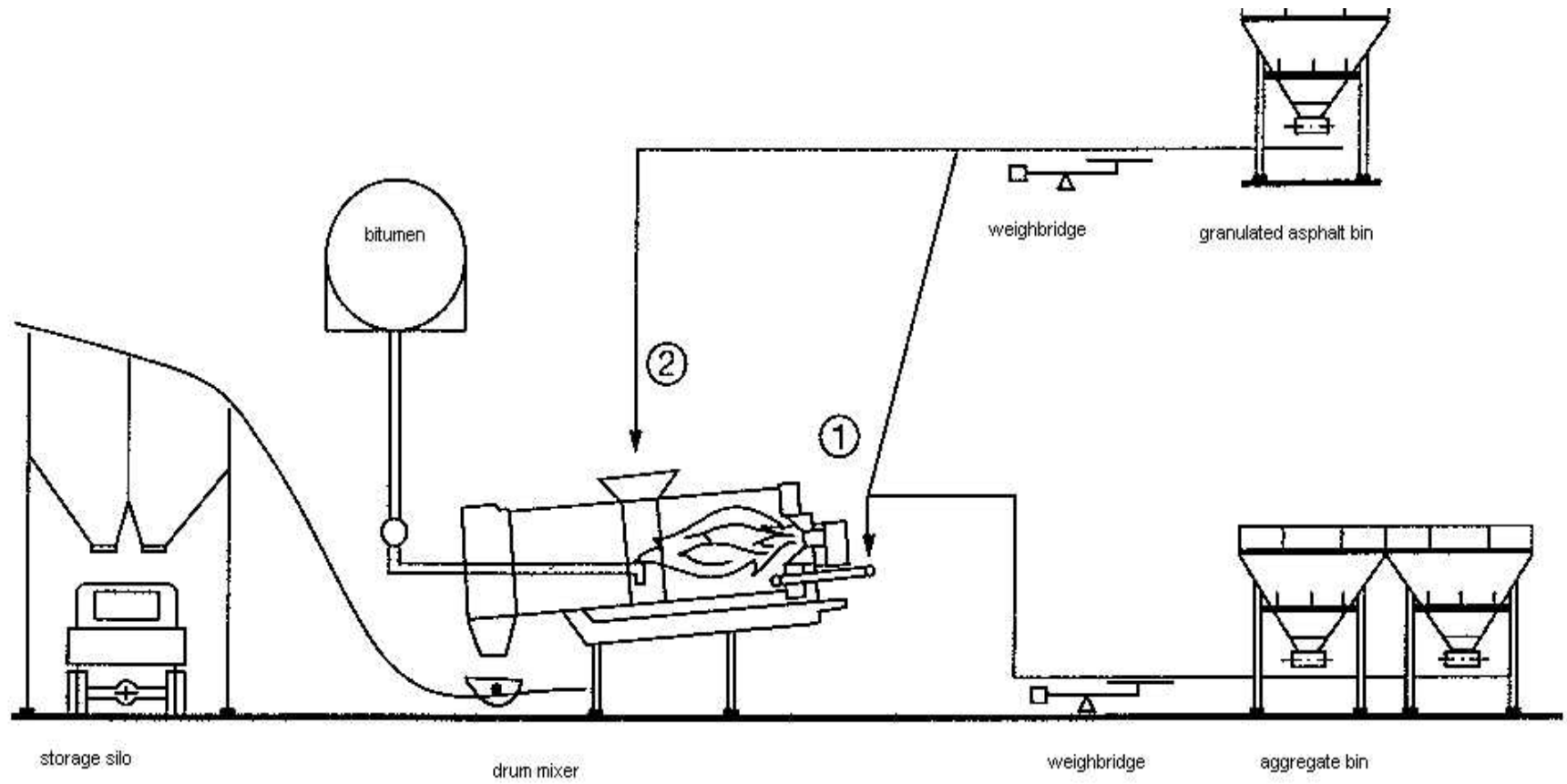
How recycle hot

- cold addition
- batch plant with parallel drum
- drum mixer
- special processes (100%)









Special processes

-Renofalt (100%)

-Mars (100%)

Assumed proportions of hot recycling

- 25% of all 4500 plants in Europe is fit for recycling
- 15-80% old material

Pre-preparation and investigation of old asphalt

- do know what you put in
- volumetric mix design
- design the composition and characteristics, of complementary virgin components





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Results of old asphalt

-100% quality level is needed!

-100% quality level is possible!

Useless asphalt can be re-used

- contaminated materials

 - destruction of PAH's

- other, bitumen containing materials

Costs

- price of old asphalt
- extra activities
- extra investments
- extra operating costs
- extra quality control

Future development

- less new
- more old
- higher recycling percentages

Future asphalt production

- 85% old asphalt

- 15% old asphalt as fuel

- 1% new binder or additive

- p.m. if necessary sieve curve
correcting aggregates

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