

deceuninck

compounding & recycling

proces:

Korte beschrijving

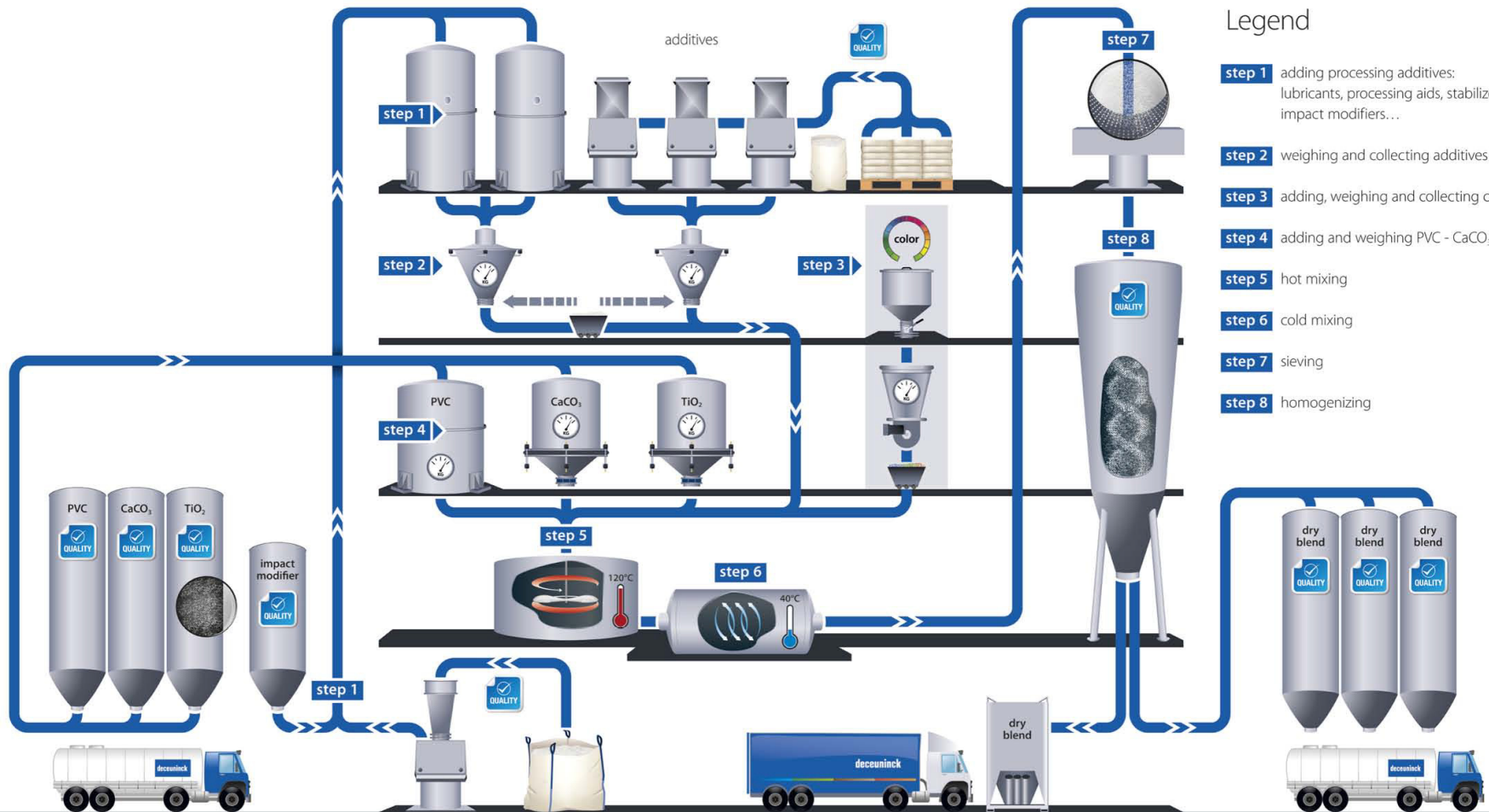
COMPOUNDING PROCES

Compounding Process

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Legend

- step 1** adding processing additives: lubricants, processing aids, stabilizers impact modifiers...
- step 2** weighing and collecting additives
- step 3** adding, weighing and collecting colour
- step 4** adding and weighing PVC - CaCO₃ - TiO₂
- step 5** hot mixing
- step 6** cold mixing
- step 7** sieving
- step 8** homogenizing



Windows & Doors

Outdoor Living

Roofline & Cladding

Interior

Compounding Process

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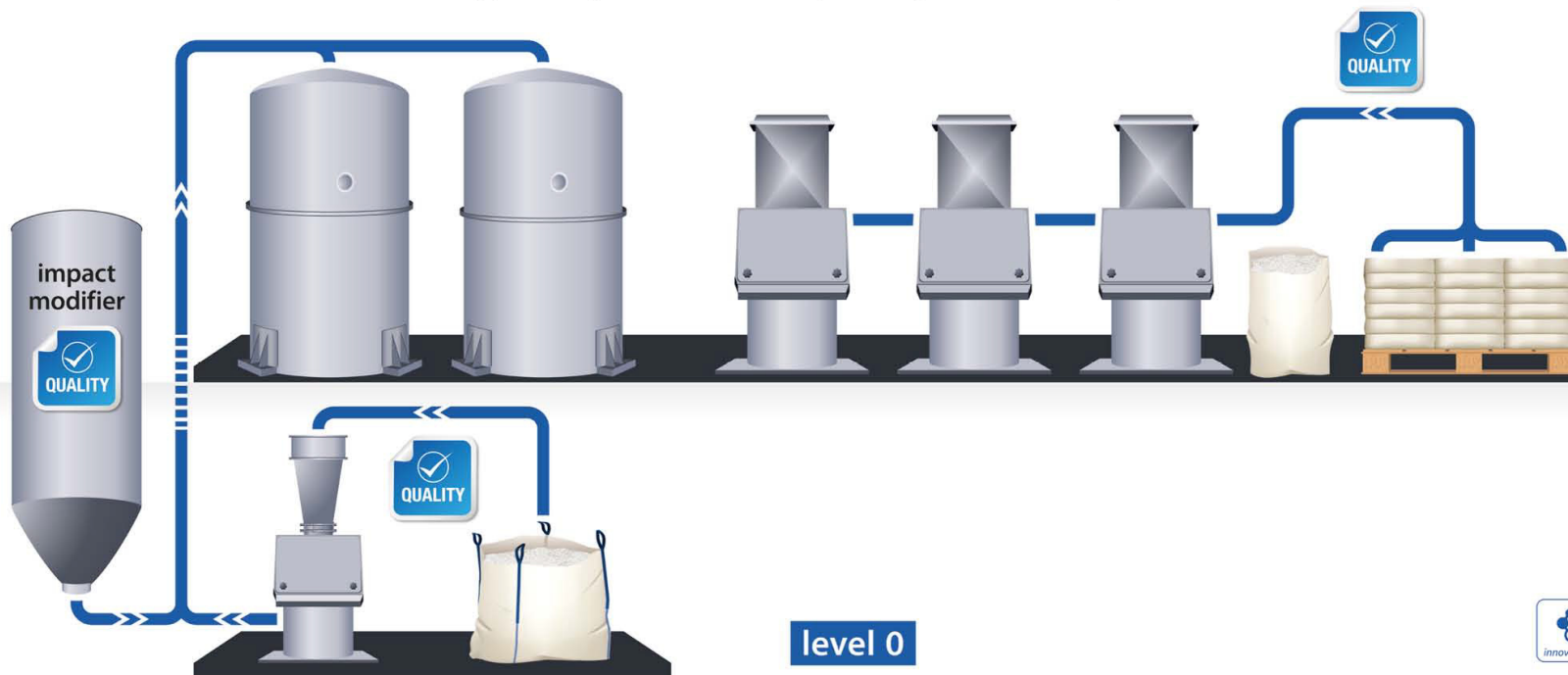


Niveau 5:

Toevoegen van additieven (glijmiddelen, stabilisatoren, ...) en impact modifier

level 5

adding processing additives: lubricants, processing aids, stabilizers, impact modifiers...



Windows & Doors

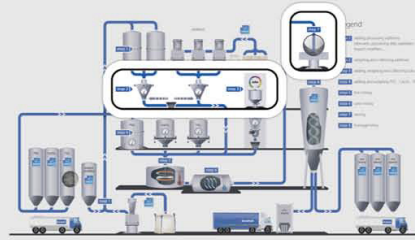
Outdoor Living

Roofline & Cladding

Interior

Niveau 4:

- Wegen van additieven
- Toevoegen van kleur
- Zeef



level 4

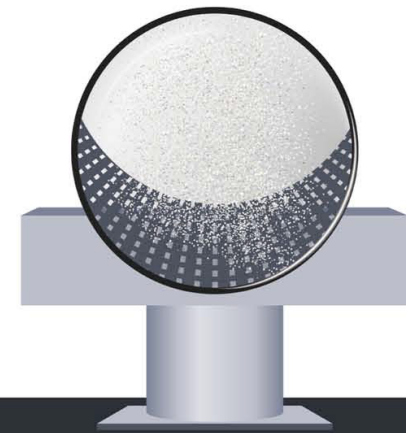
weighing additives

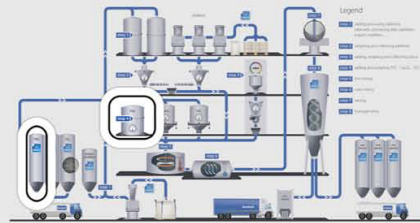


adding colour



sieving blend





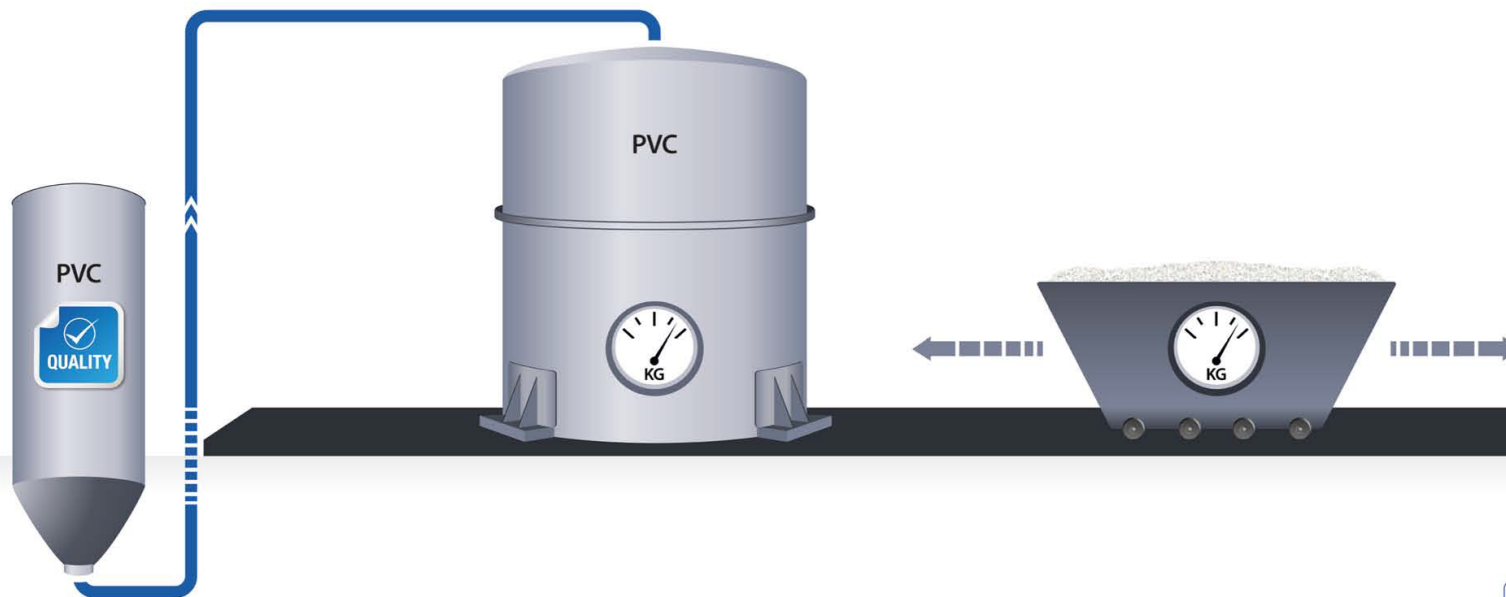
level 3

Niveau 3:

- Weging van PVC (400kg) op lijn 1 en lijn 2
- 6 buffersilo's voor kleur (geel, groen, rood, blauw, zwart, violet)
- Samenbrengen van additieven (glijmiddelen, impact modifier, stabilisatoren, etc) en controle weging in mobiele weegschalen voor lijn 1 en lijn 2

adding and weighing PVC

collecting additives
and control weighing



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Niveau 2:

- Weging van krijt (CaCO_3) en titaan op lijn1 en lijn2
- Weging en verzamelen van kleurpigmenten door mobiele weegschaal
- Homogeniseren per 20 ton in conische mengsilo + staalname voor kwaliteitscontrole



level 2

adding and weighing CaCO_3 - TiO_2

weighing
and collecting colour

homogenizing
and sampling dry blend



Windows & Doors

Outdoor Living

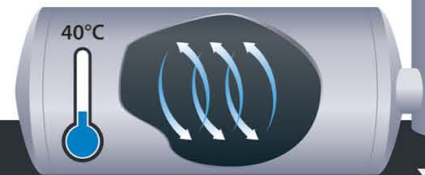
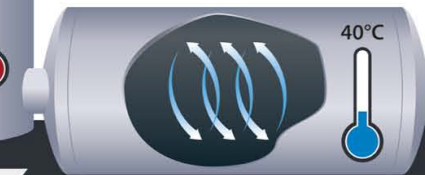
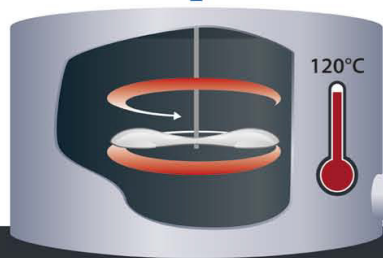
Roofline & Cladding

Interior

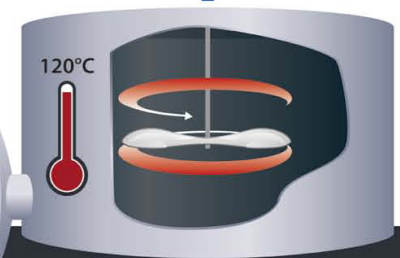
Niveau 1:

- Mengen (warm en koud) op lijn 1 en lijn 2
 1. Toevoegen van PVC, additieven en kleur
 2. Start mengen
 3. Toevoegen van krijt
 4. Toevoegen van titaan
 5. Opwarmen
 6. Afkoelen
 7. Transport naar zeef

line 1
PVC additives colour CaCO_3 TiO_2



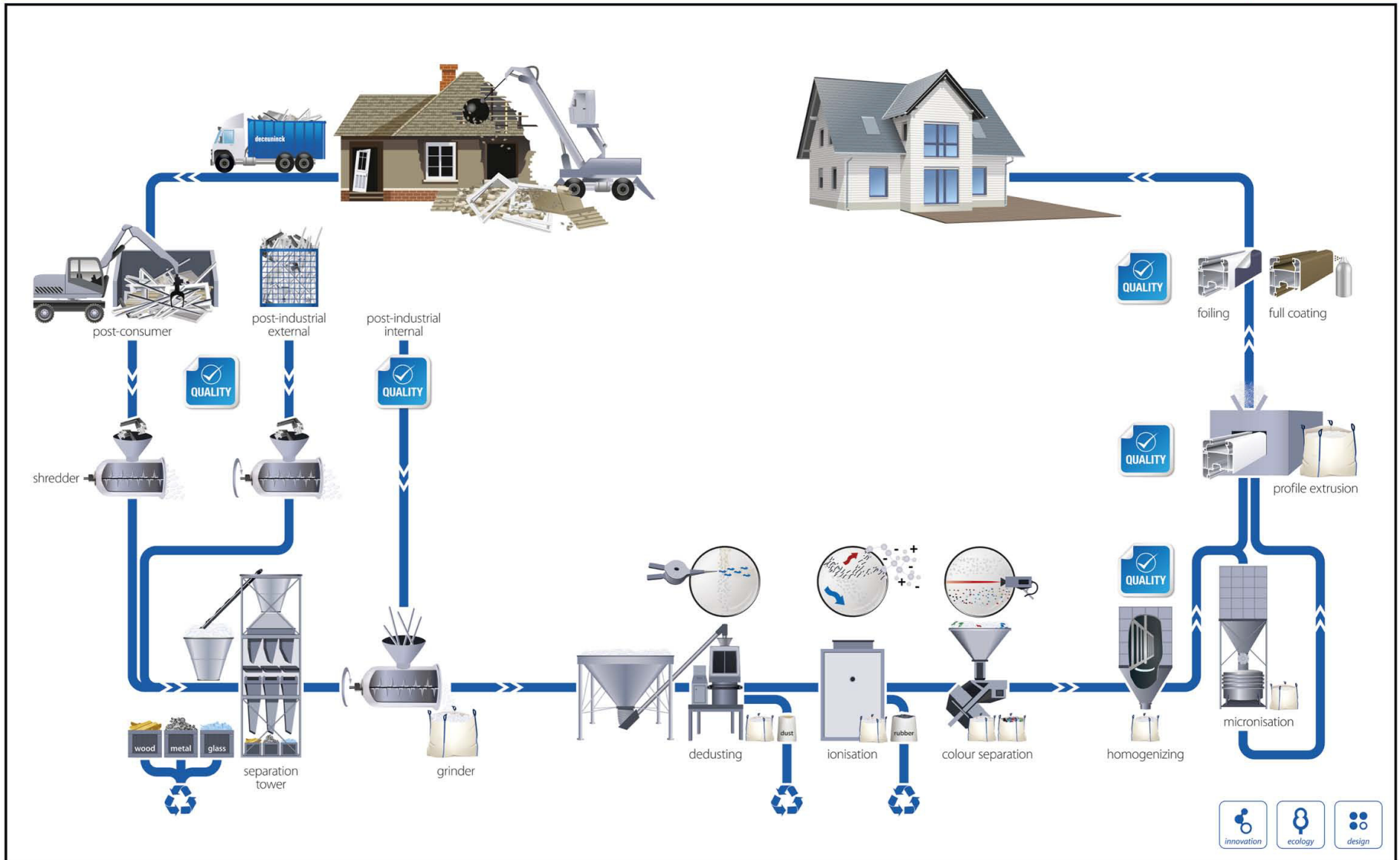
line 2
PVC additives colour CaCO_3 TiO_2



RECYCLING PROCES

Recycling Process

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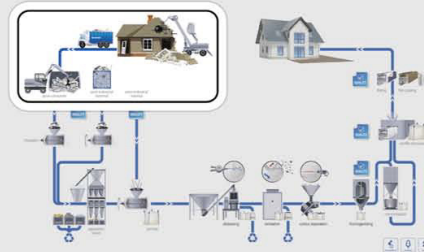


Windows & Doors

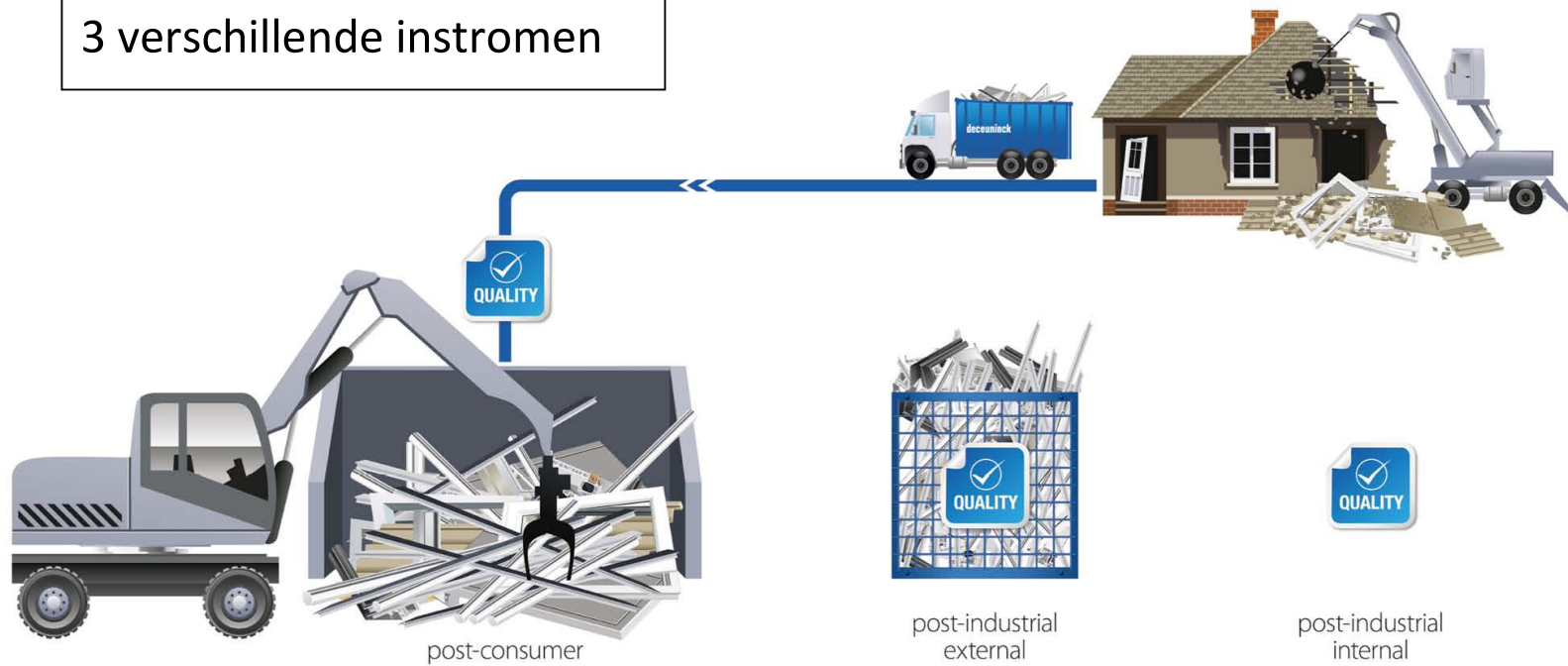
Outdoor Living

Roofline & Cladding

Interior



3 verschillende instromen

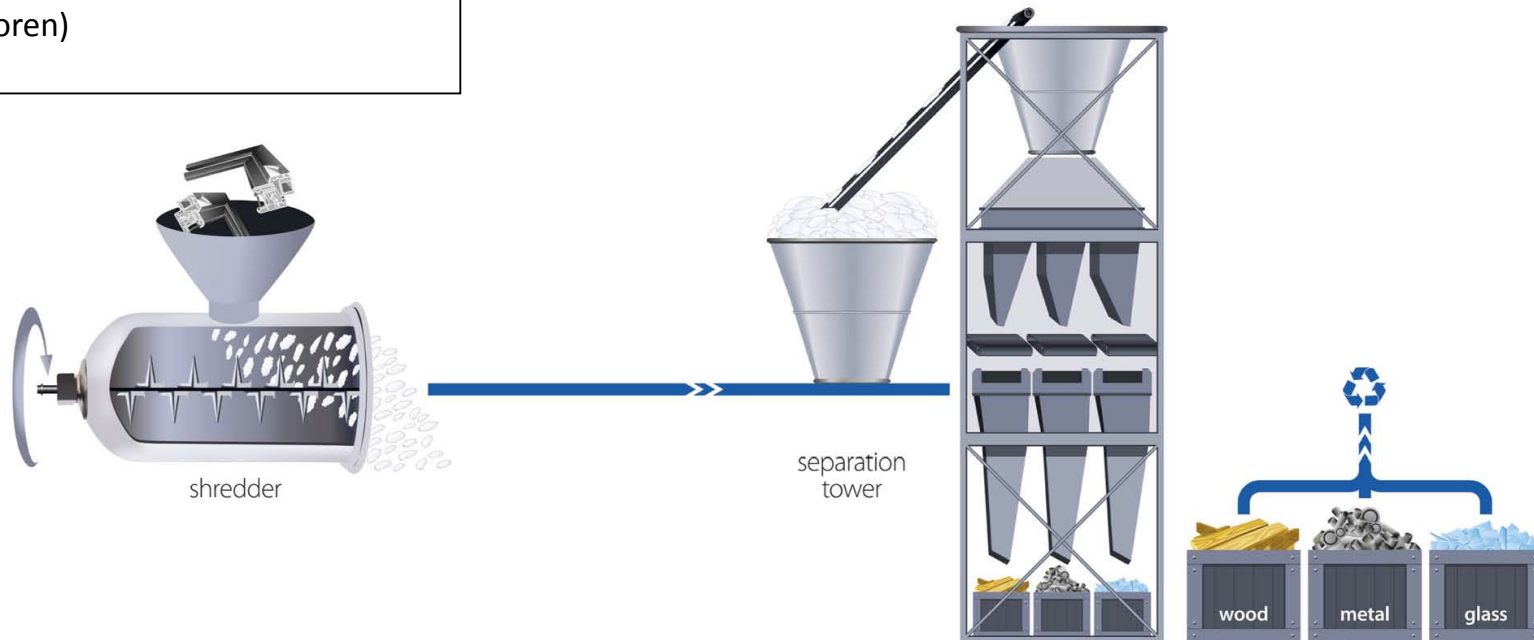
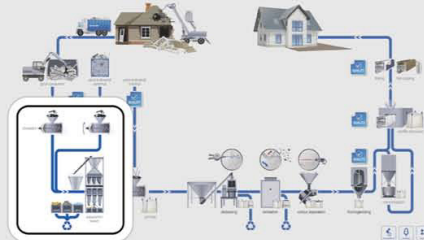


STAP 1: Breker en scheidingsstoren

Welke produkten? = postconsumer en offcuts

1: breken in stukken van enkele cm

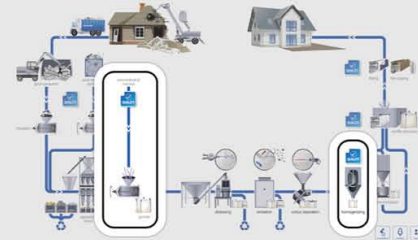
2: Hout, glas, metaal en folie scheiden van de PVC fractie (scheidingsstoren)



STAP 2: Malen en homogeniseren

Welke producten?: na scheidingsstoren of intern materiaal

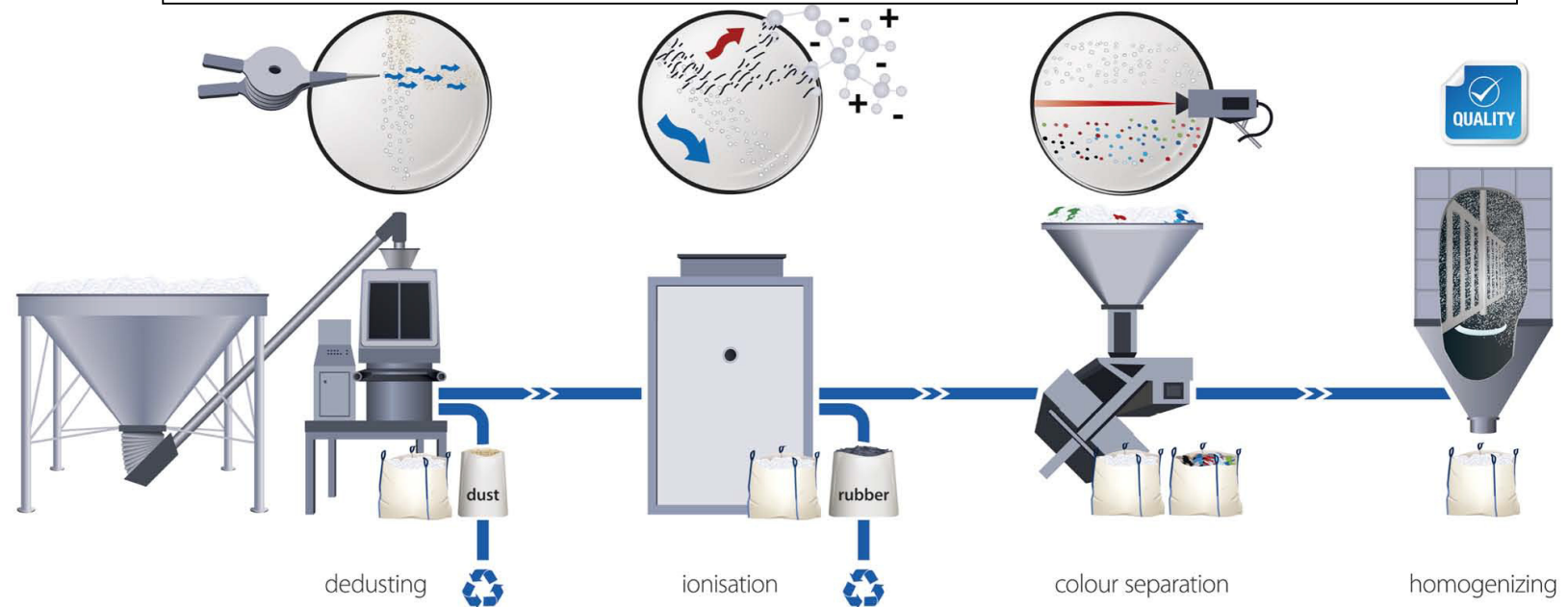
- 1: Malen tot stukken van +/- 8mm
- 2: Homogeniseren per 8 ton

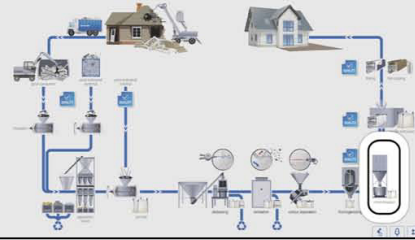


STAP 3: Ontstoften, ionisatie, kleurscheider en homogeniseren

Welke producten?: na malen, om kwaliteit te verbeteren

- 1: Ontstoften
2. Zachte PVC (bv rubber) scheiden van PVC door ionisatie (oplading)
- 3: kleursorteerder om zuiver wit te verkrijgen
4. homogeniseren





STAP 4: Microniseren: maling tot poeder verwerken

Welke producten?: maling, om te kunnen mengen met dryblend of om verontreinigingen te verwijderen

