

SINTOFARM



Boost your performance



Sintofarm

**35 years of commitment in
research and application of
efficient ingredients for
animal nutrition**

Boost your performance

Sintofarm

**MICROINCAPSULATED AND GRANULATED
PRODUCTS**

Acidifiers

Essential oils

Tannins

Acidifiers+Essential oils

Minerals

Amino acids

Boost your performance

Why SINTOFARM Technologies?



INCREASE

DECREASE



- **Feed Additives efficiency**
- **Feed Conversion**
- **Meat Quality**
- **Food Healthiness**
- **Cost of feed**
- **Pollution**
- **Risk of residue in meat**
- **Risk of antibiotic resistance**

Boost your performance

Sintofarm

- ***Passion*** for innovative production (FAMI-QS certified).
- Thirty years of ***experience*** in manufacturing microencapsulated cost effective ingredients.
- More proven ***efficiency*** to your feeding program.

Boost your performance

Production Technologies



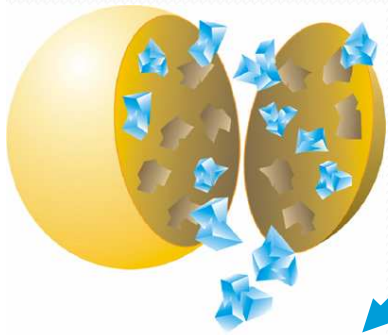
FAMIQS

SPRAY FREEZING → micropearls

DRY GRANULATION

PAN COATING

HIGH SHARE WET GRANULATION



Our Products

TECHNOLOGIES

Spray Freezing

Sintolys 50

Sintomet 55

Sintocol 25

Blends of acids
Sintobutyl

Blend of acids
+
Essentials oils

Pan Coating

Minerals

Tannins
Sintotan

Aminoacids ??

Dry Granulation

Acidifiers

Tannins

Trace Elements

High Share Wet Granulation

Aminoacids

Coccidiostatics

Antibiotics

Vitamins

Boost your performance

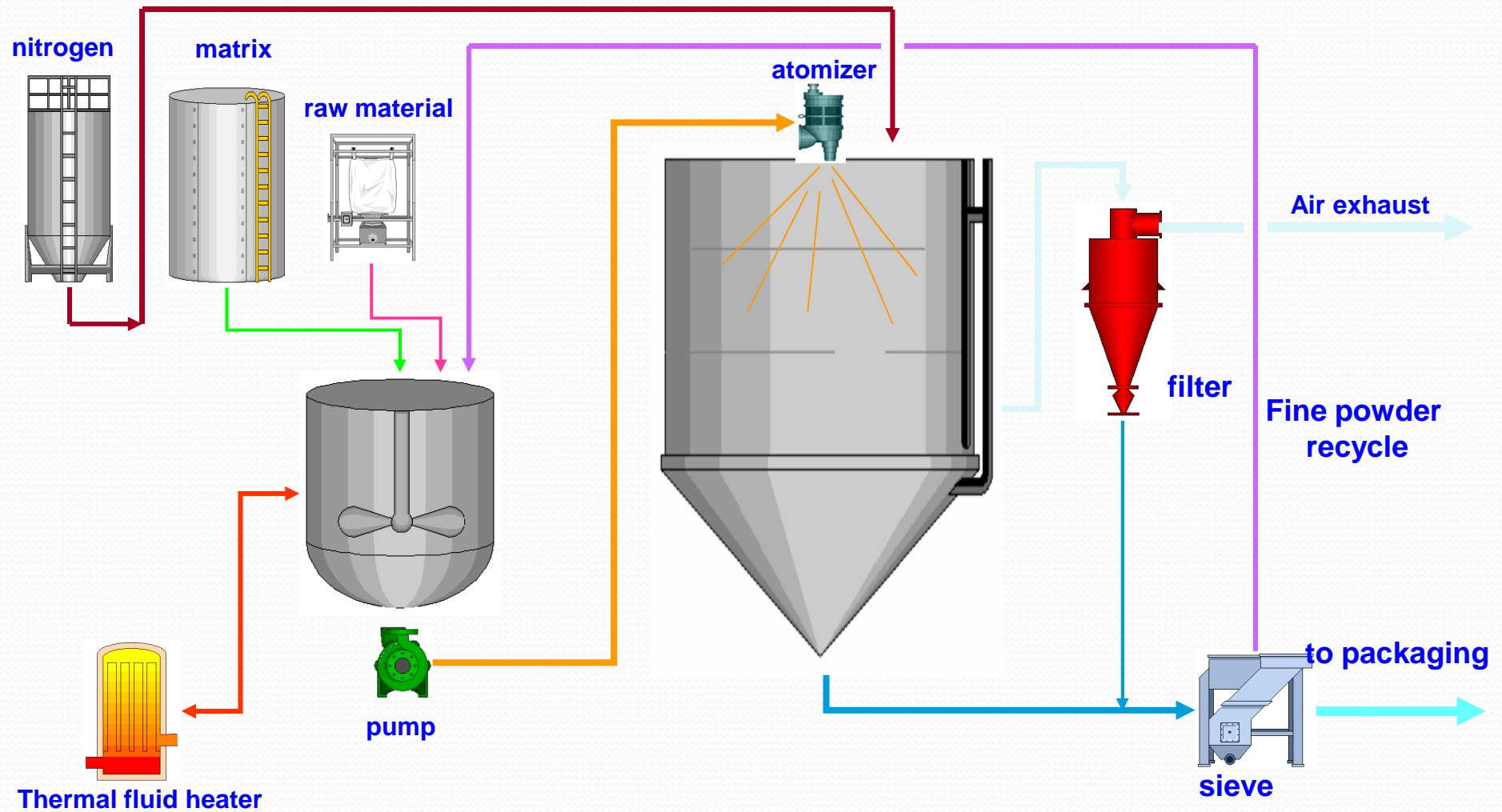
Spray Freezing

The transition of a compound from a soft or fluid state to a rigid or solid state by cooling is called freezing.

(MICROPEARLS[®])

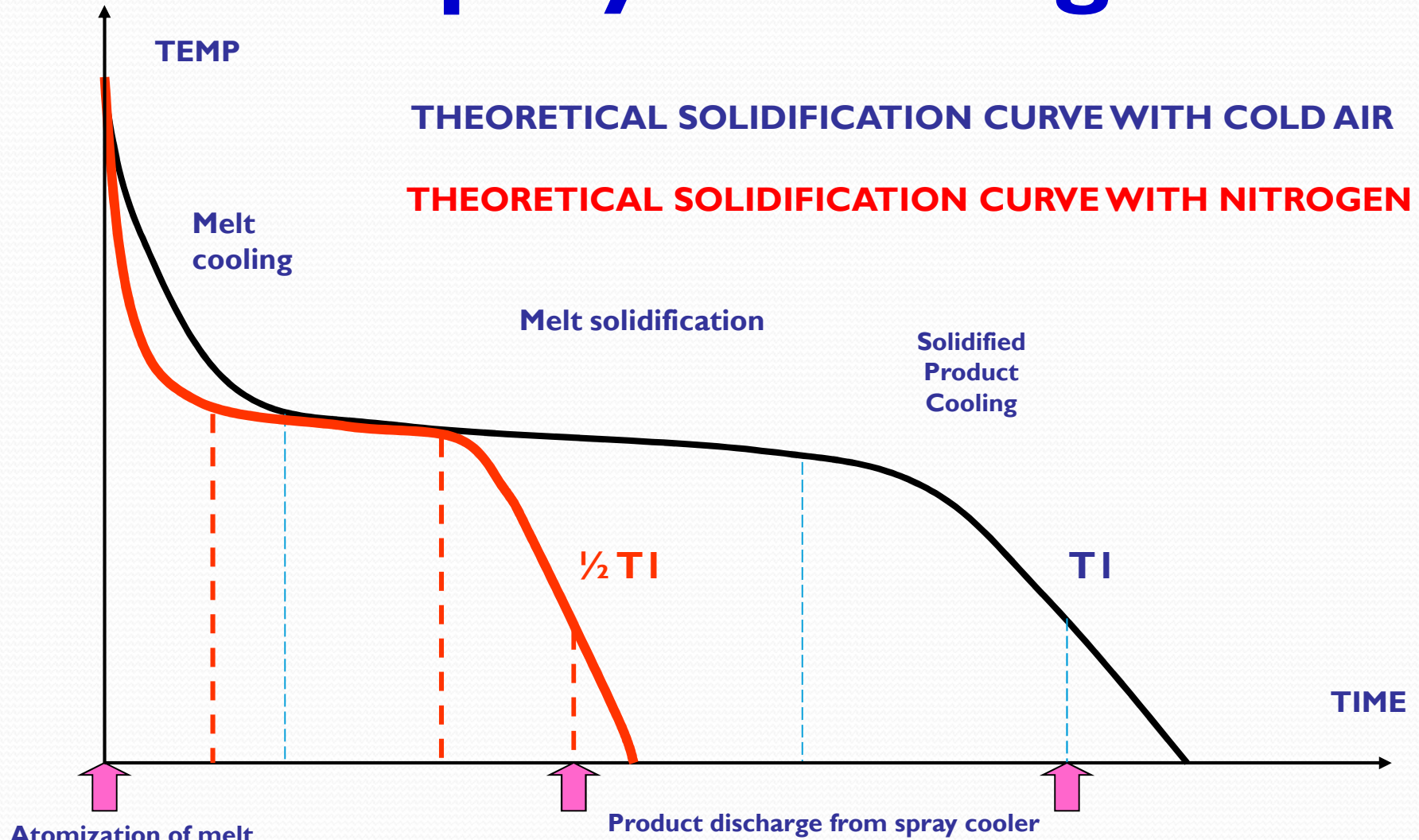


Spray Freezing



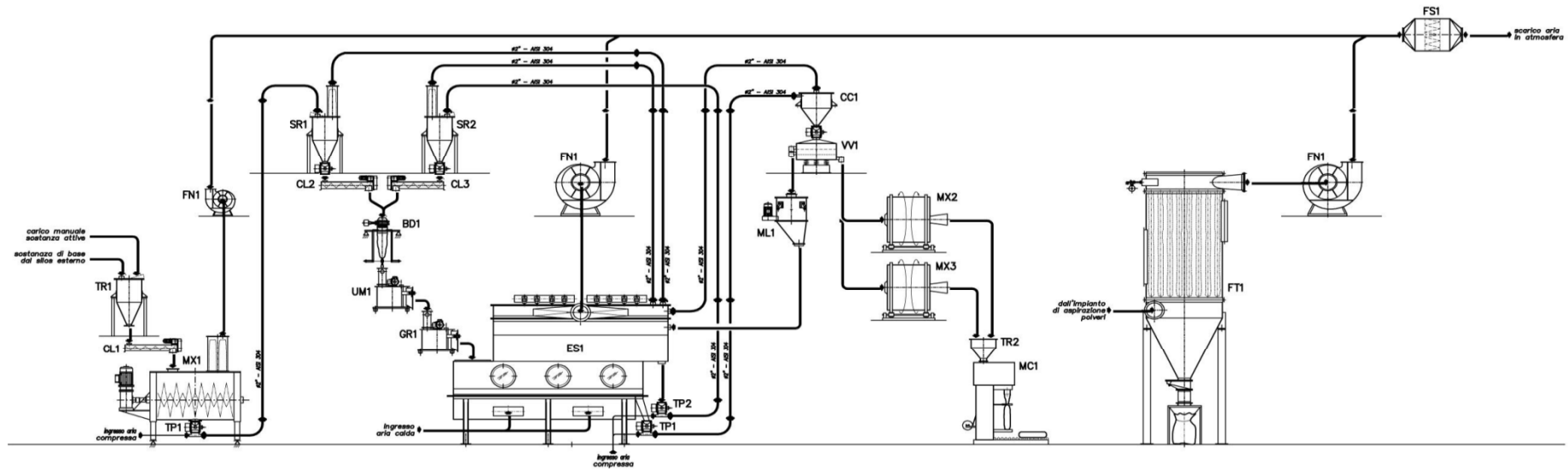
Boost your performance

Spray Freezing



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High Shear Wet Granulation



EQUIPMENT LIST

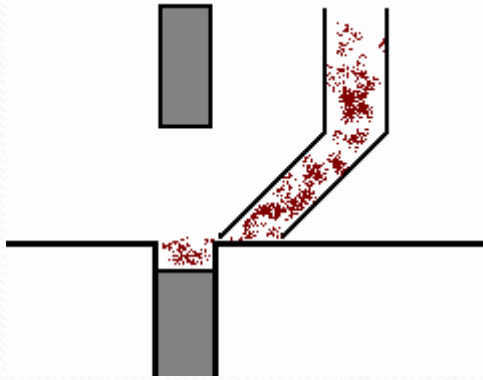
TR1 HOPPER FOR LOADING MATERIALS
 CL1 EXTRACTION COCHLEA
 MX1 MIXER
 TP1 AIR CONVEJANCE
 SR1 SILOS FOR PREMIX
 CL2 EXTRATION COCHLEA FOR PREMIX
 BD1 HUMIDIFICATION WEIGHTING
 UM1 HUMIDIFIER

GR1 GRANULATOR
 ES1 FLUID BED
 TP2 AIR CONVEJANCE
 SR2 RECYCLE SILOS
 CL3 EXTRACTION COCHLEA RECYCLE
 CC1 CYCLONE
 VV1 SEAVING
 ML1 MILL

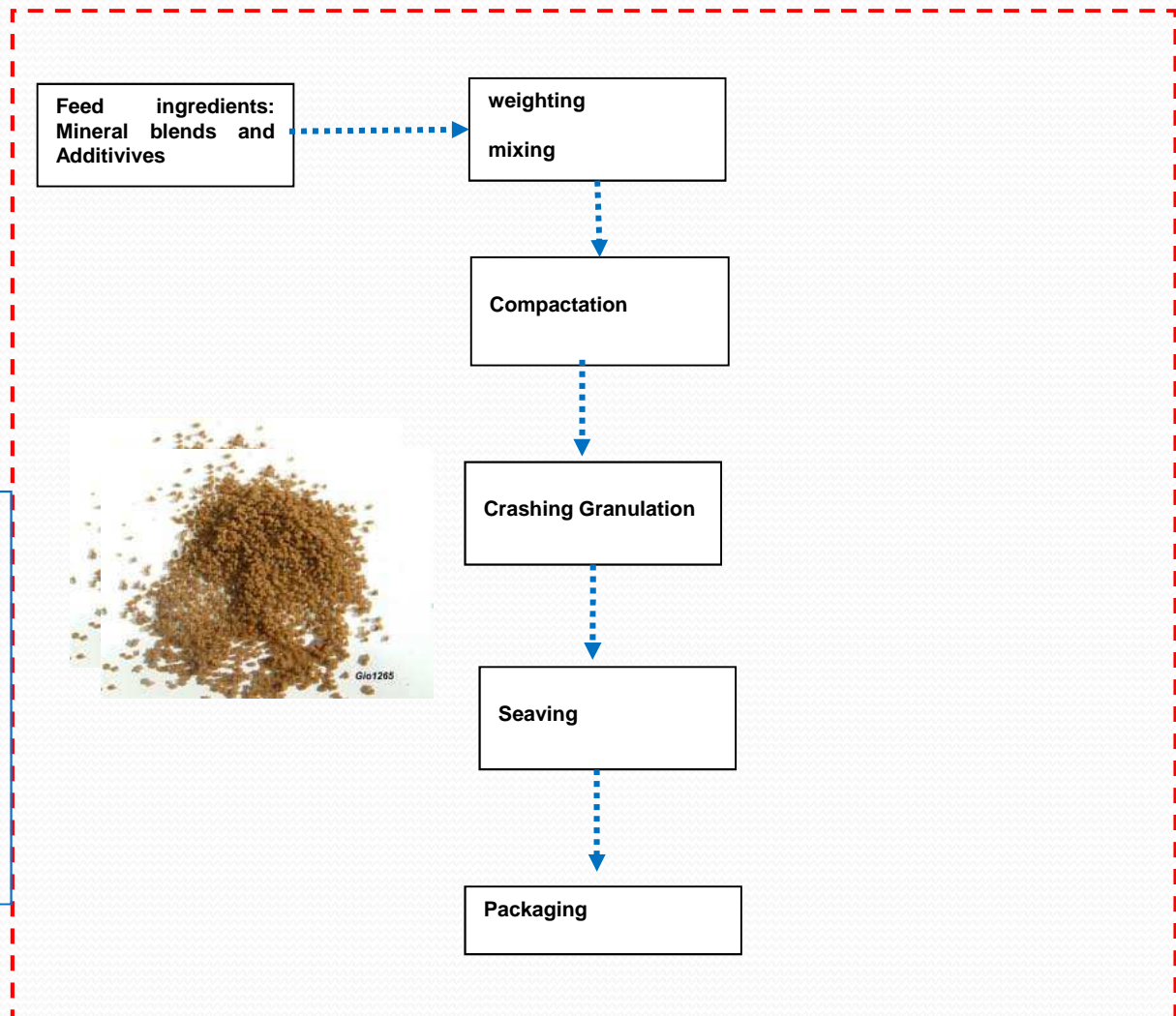
MX2 FINAL HOMOGENIZATION
 MX3 FINAL HOMOGENIZATION
 TR2 LUNG HOPPER
 MC1 PACKAGING
 FT1 AIR FILTER
 FS1 SAFETY FILTER
 FN1 FANS

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Granulation by compression



Dry granulation refers to the process steps of blending the ingredients followed by compaction and size reduction of the mix in order to produce a granular, free flowing blend of uniform size.



Pan Coating

- Gentle mixing and coating of microgranules
- Homogeneous mixing and coating with minimum stress on the product

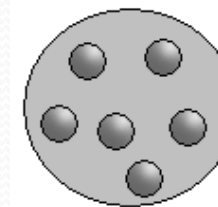
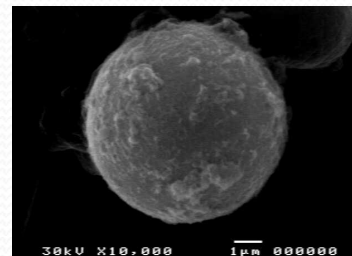
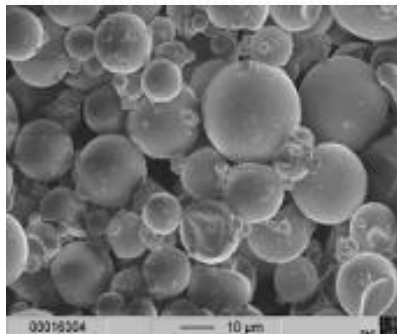


Raw material

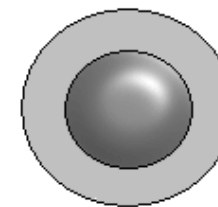
- Slow release
- Difficult handling
- Unpalatable



pan coating drum



matrix type



film type