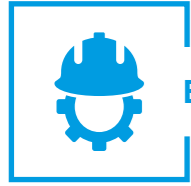




TECHNOLOGY LICENSING



ENGINEERING SERVICES



PLANT CONSTRUCTION

IDEAS INSIDE <sup>EPC</sup>



## Polymer Compounding Plants

Including „Combi formulation license“



### CONTACT

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### Flexible Plant Design

EPC Group together with its alliance partner, Granula Deutschland GmbH, is offering a packaged solution for polymer compounding and recipe formulation development. The turnkey compounding solution will provide high quality, high value, blended polymer ready for end-use component manufacturing.

Through a combination of formulation know-how and flexible plant design, EPC can deliver a polymer compounding plant capable of producing blended polymers (e.g. Polycarbonate, PET, PA6, ABS and glass-fibers).



EPC Group is certified per DIN EN ISO 9001

IDEAS INSIDE <sup>EPC</sup>

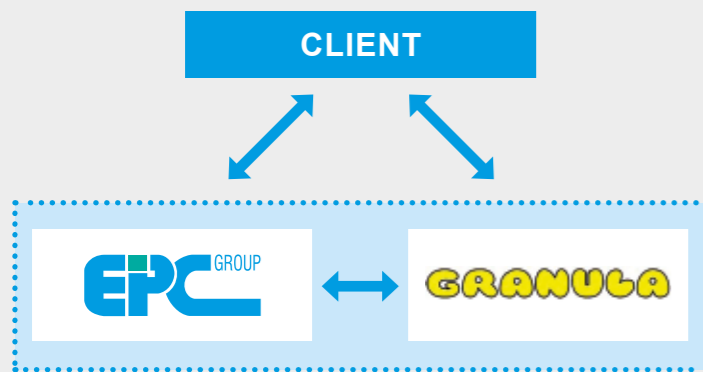




## Polymer compounding plants

Combination of flexible plant design and formulation know-how

EPC together with its alliance partner is offering an integrated packaged solution for polymer compounding and recipe formulation development.



### ENGINEERING CONTRACT

#### EPC will provide:

- Pre-Engineering to help assess the economic feasibility of the project
- Engineering Design and Equipment Delivery for the complete polymer compounding plant
- Training to ensure optimal operation of the plant during start-up

### FORMULATION LICENSE

#### License will include:

- European state-of-the-art 'approved' masterbatch product
- On-site training to ensure optimal quality of blended polymer is produced
- Lab-based training on chemical analysis and formulation development
- Assistance with development of own masterbatch formulations
- Assistance with sourcing 'same-quality' local raw materials

There are many additional benefits to the compounding package being offered by **EPC** and **Granula** :

#### ✓ Low investment cost & High profit margin

Investing in a compounding plant enables the production of a high value product for a relatively low investment.

#### ✓ Quick access into the end market

Short construction time and a license for ready-approved formulation enables very quick access to the market.

#### ✓ Access to approved recipe formulations

Instant access to recipes will be provided through a formulation license from EPC's partner Granula.

#### ✓ Development of own formulations

Granula will provide the required lab-based training to assist with formulations development. This will enable future independence and development of proprietary know-how.

#### ✓ Blending of multiple polymers

The compounding plant is suitable for blending multiple polymer feedstocks. (e.g. chips, flakes, fibers). The plant can be easily adapted to suit the end-use demand.

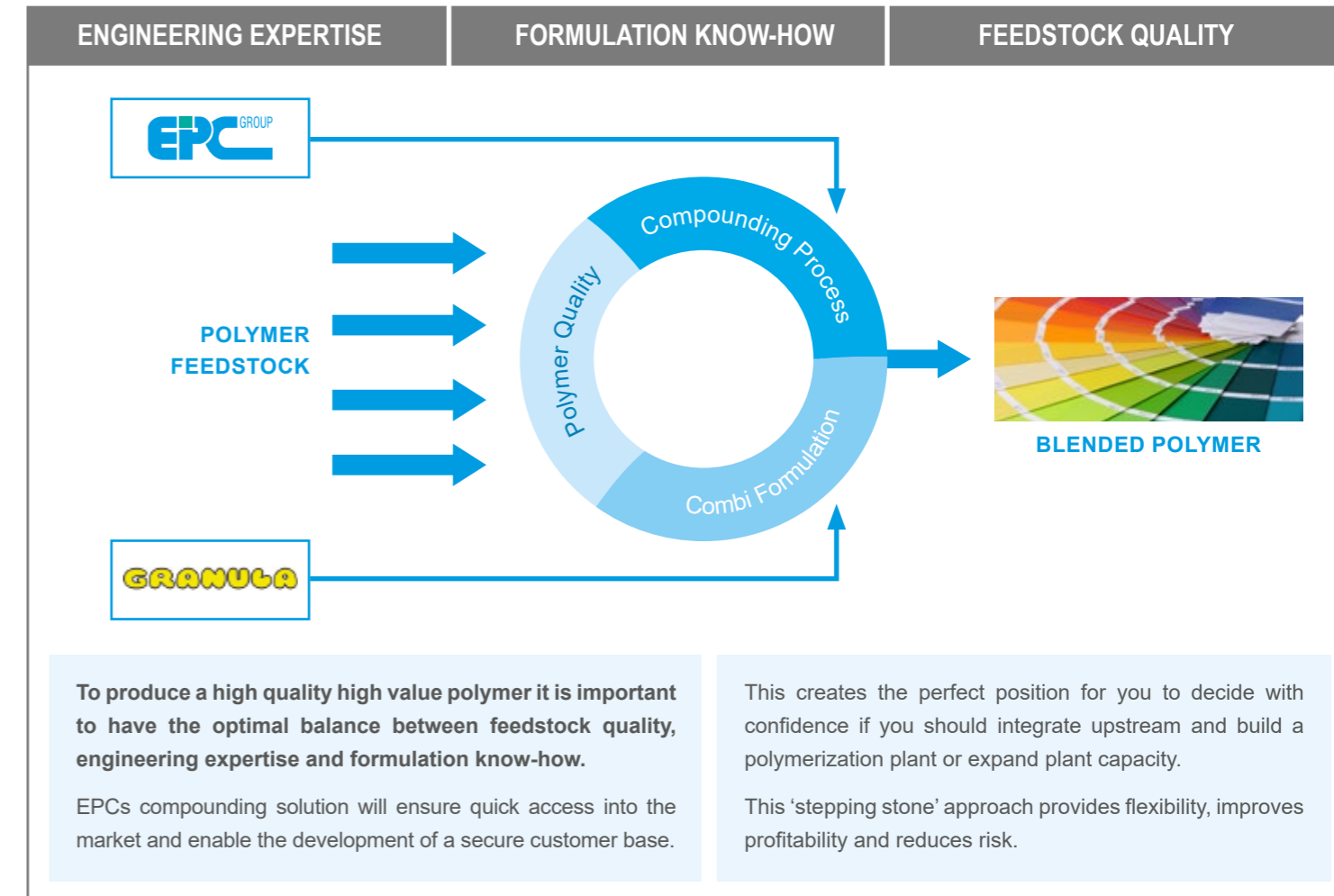
#### ✓ Blending of recycled polymers

Recycled polymer flakes may be used as a feedstock. Blending recycled material into the virgin polymer helps to reduce the cost of the feedstock and is beneficial to the environment.

#### ✓ Future plant expansion

The compounding plant is a modular design. Multiple compounding lines in parallel can achieve any desired capacity. The plant can also be integrated with upstream polymerization plants.

### 3 KEYS TO SUCCESS:



### A STEPPING STONE TO THE FUTURE

After start-up your company will:

- Gain experience and expertise in the area of polymers and compounding.
- Develop a route to the market and a reliable customer base.
- Develop own recipe formulations and know-how.



FOR GENERAL QUESTIONS AROUND POLYMER COMPOUNDING, PLEASE CONTACT:



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