



Tires & More

RUBBER COMPOUNDS

Elastomers have fundamental uses in all types of industries thanks to their flexible, elastic, and insoluble properties, among others. As a result of their resistance to melting, they are used to manufacture tires, certain seals in automotive design, or the manufacture of components exposed to heat during operation.



Application

- Tyres
- Tubes, hoses, belts
- Anti-vibration materials
- Wearables like shoes, rubbered fabrics
- Construction
- Cables

Compounding requirements

- Good dispersion of small additives and filler
- No scorching of crosslinking agents
- No rubber base material degradation
- Uniform process conditions
- Narrow residence time distribution
- Consistent product quality

BUSS Technology

Strengths

- + Continuous rubber compounding system
- + Large number of mixing cycles
- + Precise temperature control
- + Closed material flow for dust-free manufacturing
- + Handling and process stability for sticky rubbers
- + Accurate material dosing with loss-in-weight feeder



Benefits

- ✓ Saving on roll-mills and batch-off equipment
- ✓ Uniform and constant process conditions
- ✓ High quality of rubber compound
- ✓ No scorching of compound
- ✓ Flexible operation

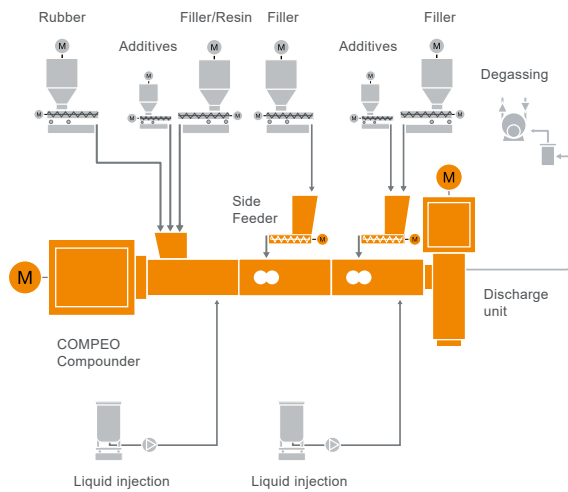


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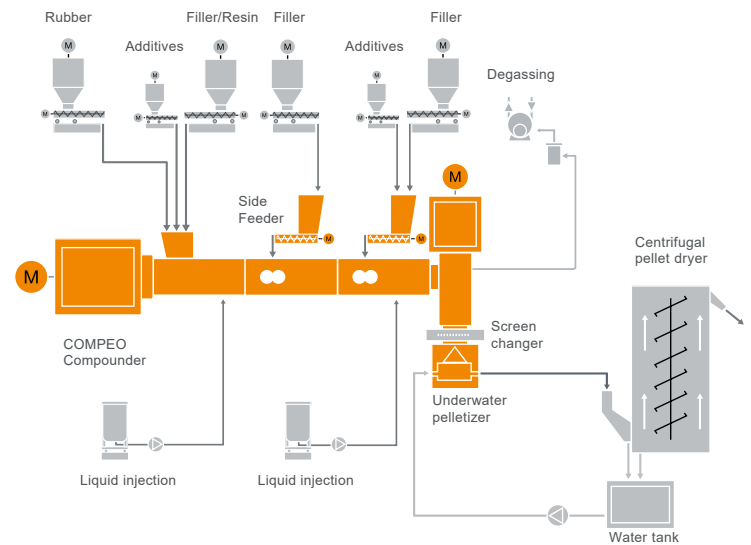
excellence in compounding

Typical plant layout for rubber compounds

Tyres



Rubber



BUSS COMPEO Technical Data

	COMPEO LAB	COMPEO 55	COMPEO 88	COMPEO 110	COMPEO 137	COMPEO 176
Screw diameter [mm]	45	55	88	110	137	176
Process Length [L/D]	25	14/18/25	14/18/25	14/18/25	14/18/25	14/18/25
Screw speed max [rpm]	300	300	300	300	300	300
Throughput rate [kg/h]	20-60	40-100	150-400	300-800	600-1600	1200-3200



More info!

busscorp.com/industries/rubber-compounds

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