



PVC Pelletizing

RIGID AND SOFT PVC COMPOUNDS

Thanks to its good mechanical, electrical and optical properties, as well as good chemical resistance, PVC is very useful for many applications. With plasticizers and other additives, the characteristics of rigid and soft PVC materials can be customized according to application requirements.

Applications (soft/rigid)

- Tubes
- Window profiles
- Fittings
- Plastic foam
- Cables
- Sealings
- Medical applications

Compounding requirements

- Accurate temperature control
- High filling degree
- Flexibility for a wide range of formulations

BUSS Technology

Strengths

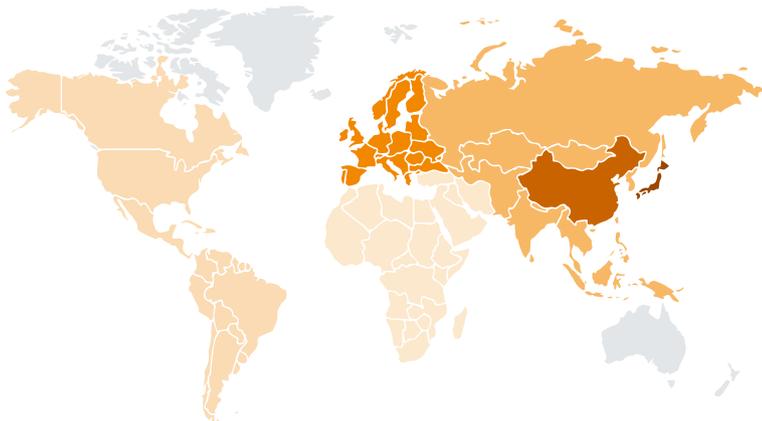
- + Precise temperature control
- + Excellent mixing and homogenizing capabilities
- + Compact machine design
- + Configurable screw design



Benefits

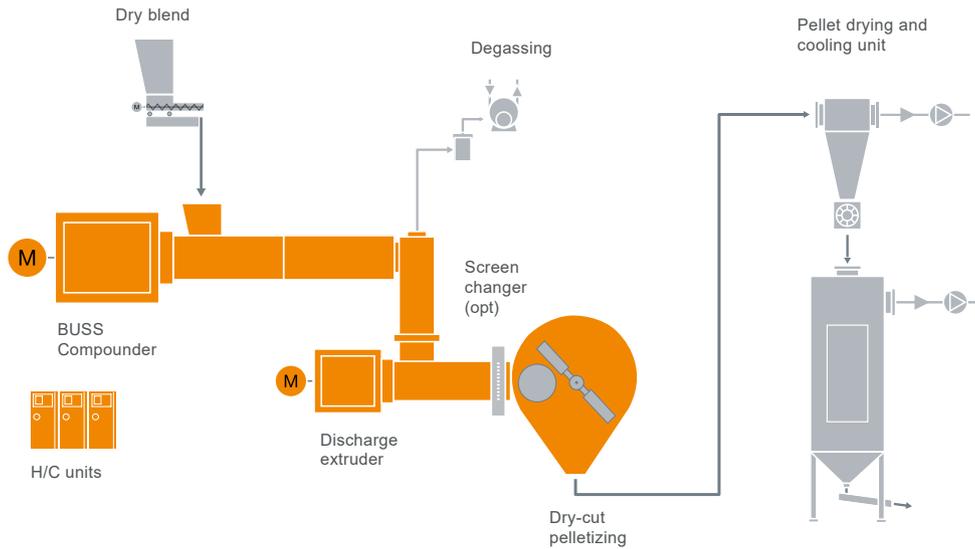
- ✓ High production quality and volume
- ✓ Excellent product properties and high filling degree
- ✓ Reduced installation cost
- ✓ Wide final product range at high quality

BUSS Kneaders for PVC Compounding around the world



Japan	>40
China	<20
Europe	>100
Asia	>40
Americas	<100
MEA	<40

Typical plant layout for PVC Compounds



BUSS COMPEO Technical Data

	BUSS Compounder ¹				Discharge Unit ²			Throughput ³	
	Screw diameter [mm]	Process length [L/D]	Screw speed max [rpm]	Drive power max [kW]	CSS-C Screw dia. [mm]	Process length [L/D]	Drive power max [kW]	PVC unfilled [kg/h]	PVC filled [kg/h]
COMPEO 55	55	14/18	600	55	110	4/6	20	150-400	200-500
COMPEO 88	88	14/18	600	200	200	4/6	45	600-1600	800-2000
COMPEO 110	110	14/18	600	400	250	4/6	90	1200-3200	1600-4000
COMPEO 137	137	14/18	600	800	300	4/6	160	2400-6000	3200-7400
COMPEO 176	176	14/18	600	1650	320	4/6	200	4800-11000	6400-13200

¹The compounder is liquid tempered

²Discharge unit depends on formulation; liaise with BCH before quoting

³Expected throughputs depending on raw materials and formulation



More info!

busscorp.com/industrien/pvc-compoundierung

