

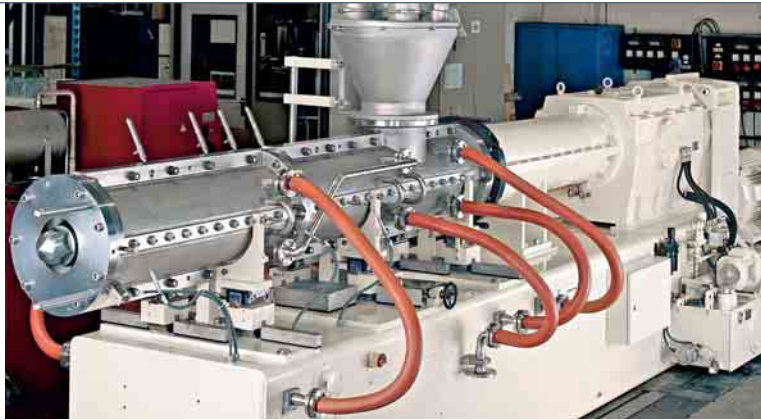
Continuous processing of chewing gum by BUSS Kneader

CASE STUDY
CHEWING GUM



BUSS

excellence in compounding



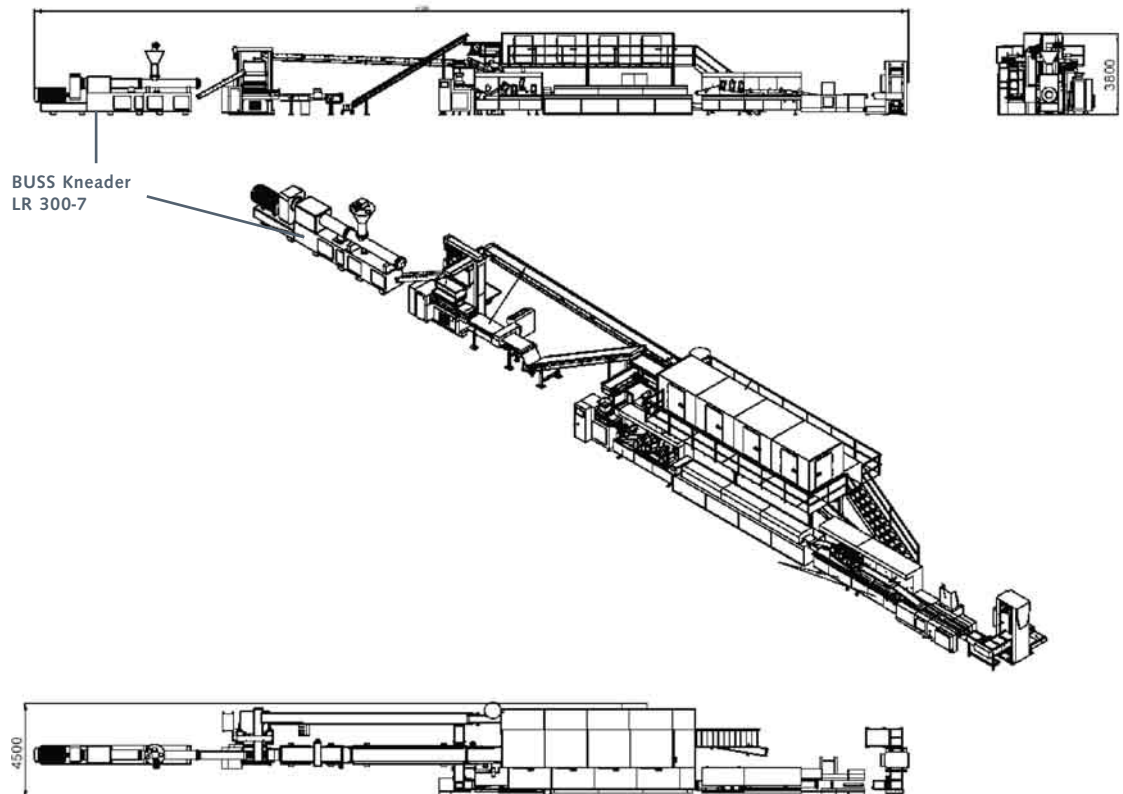
BUSS Kneader type LR 300-7

BUSS AG, Switzerland, is sole supplier of continuous mixing extruders for sugarless chewing gum.

BUSS Kneaders ensure perfect chewing gum production together with reputed brands of

- Dosing and weighing equipment
- Rolling / scoring machines
- Dragée making machines and packaging machinery

For example: a turnkey chewing gum line recently delivered in the Middle East.



The heart of this production line is a BUSS Kneader type LR 300-7. Capacity: 2500 kg/h sugarless and up to 5200 kg/h sugared chewing gum.

Sugarless chewing gum in particular is a very demanding product for mixing and processing technology. Tolerances are extremely tight due to the very low processing temperatures of sugar substitutes (e.g. Sorbitol).

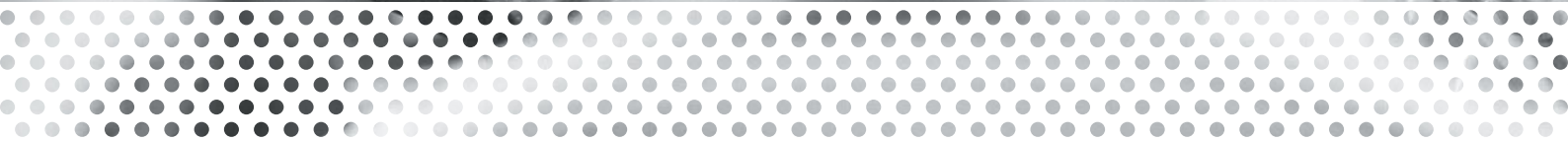
The BUSS Kneader also mixes partly encapsulated additives (such as citric acid) highly sensitive to thermal and mechanical loading, as well as e.g. peppermint or fruit flavourings, very gently into the gum base without any damage. Thanks to perfect distribution despite their very low concentration, this saves raw materials costs.

The gum base is fed to the BUSS Kneader in granulate form – no premelting is required.

With several reference installations for the **continuous** processing of sugarless chewing gum, Buss is now the unchallenged leader in this sector.

Available BUSS Kneaders

BUSS Kneader Model	Output Rate	Sugarless Gum		Sugar Gum	
		min.	max.	min.	max.
LR 100	[kg/h]	160	220	250	380
	[lbs/h]	352	484	550	836
LR 200	[kg/h]	750	1000	1300	2000
	[lbs/h]	1650	2200	2860	4400
LR 300	[kg/h]	1800	2500	3500	5200
	[lbs/h]	3960	5500	7700	11440
LR 400	[kg/h]	3500	4700	7000	10000
	[lbs/h]	7700	10340	15400	22000



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