

Squeezing belts

The canning of fish products is sometimes accomplished by narrow belts conveying a stream of cooked processed material in an inching movement into a dosing area where the canning is performed. Some of these systems use pressure and employ belts to densely squeeze the material into the waiting can.

Two Spanish machine producers, Hermasa and Herfraga are best known for this. Each producer has a number of models with different size belts and providing different capacities and hourly outputs. For example the Hermasa Tunipack 300 uses the following;

Machine	Length {Mt}	Width {Mt}	Type Of Belt	Possible Volta Reference
Tunipack 300	1.70	0.069 - 0.071	Top	FEMW/B-5 / 1700 x 71 x 5
	6.48	0.12	Bottom	FEMW/B-5 / 6480 x 120 x 5
	6.16	0.1	Side	FEMW/B-5 / 6160 x 100 x 5

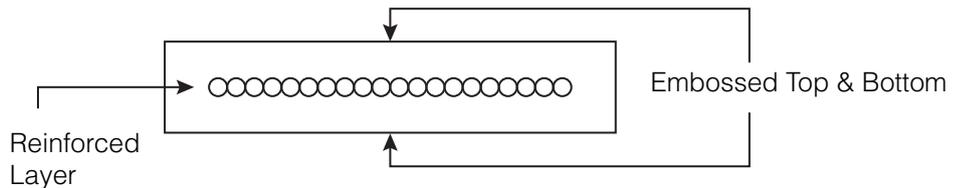
The pressure is exerted by a series of 4 belts, the usual set comprising two side belts of equal length, a longer bottom belt and a short top belt. In order to permit the forces exerted on the belt without failing quickly, a special reinforcement has been developed which is inlaid between two sections of M material belting.



➔ The machines have been deployed at canneries primarily processing tuna, mackerel and other fish that are not canned whole and some other seafood products such as octopus.

The thickness used needs to be ascertained before placing an order and any deviation from this can cause unnecessary strain on the bearings as well as changing the spacing between belt and machine and requiring recalibration which may be inconvenient or impractical.

5mm thick belts are commonplace and experience shows that the belts embossed on both sides (FEMB/FEMW) works the best with tuna. Other products might benefit from ITO50 on the working surface but this requires verification. A traditional set of belts supplied by the machine producer give 3-4 months life in normal production on a tuna line.



	min	max
W mm	400	50
L mm	7500	4500

The target customers are canning plants and additional specialty products can be sold such as belts for magnetic elevators and RCW for the can conveying conduits.



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