



**PROCESSALL**

# Adhesives and Gasketing Material



## Mixers for the preparation of Hot Melt Adhesives

The efficient and thorough mixing of the variety of materials used in the manufacturing of hot melt adhesives has long been a production stumbling block to this industry. Processall now offers a mechanically fluidized bed mixer which provides a superior finished product in significantly shorter time compared to current processing technology which utilizes jacketed kettles.

The Processall Mixer, when equipped with a heated jacket, easily mixes the resins, crumb elastic polymers, solvents or water based solutions. Once the material has transformed to a viscous liquid, the mix can be dynamically deaerated by operating the mixer under vacuum. Variable speed drives for slower operation can be supplied for some elastic polymers which may shear-degrade during the solvation cycle. The finished product will be thoroughly mixed and free of bubbles at the end of the cycle.

Gasketing material can also be processed with excellent pre-mixing of all dry ingredients. High speed, built-in chopping mills can assist in defibering fibers used to reinforce the gasket. The resin or elastomer can be pre-mixed with dry or solvated ingredients prior to adding the dry ingredient. The Mixmill can distribute the solvated elastomer uniformly without solvent losses by containing the environment. The elastomer can be then premixed and wetted with solvent to provide a uniform feed material to the sheeting machinery.

### Some of the benefits of the Processall system:

- Excellent heat transfer due to mechanical bed fluidization.
- The machine can be constructed with specially designed defibering blades to provide better matrixing of the fiber.
- Improved dispersion of liquid and/or solid minor ingredients.
- Equipment can be supplied with vacuum deaeration capability or connected to a solvent recovery system to eliminate environmental exposure. Heavy duty construction to provide long life of equipment components.

**Processall maintains a rental fleet and fully equipped technical center for product testing at either location**

Model	VOLUME			DIMENSIONS/INCHES		
	Liters	Gallons	Cubic Feet	Length	Diameter	Height
4H/V	4	1	.14	35	24	37
20H/V	20	8	.7	58	37	44
40H/V	40	10	1.4	68	44	47
60H/V	60	16	2.1	68	44	68
140HL	140	37	5	64	44	57
300HL	300	79	11	126	48	60
600HL	600	169	70	168	49	60
1200HL	1200	317	42	194	54	64
2000HL	2000	528	70	224	60	68
3000HL	3000	792	105	230	69	72
4500HL	4500	1188	158	254	76	76
8000HL	8000	2113	2113	290	84	84
10000HL	10000	2641	2641	329	88	88
16000HL	16000	4227	4227	338	102	96
20000HL	20000	5283	5283	344	112	106
25000HL	25000	6603	6603	356	125	120



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