

	1986	1987	1988	1989
MATERIALS USED IN PAPER MANUFACTURING	224,466	394,755	258,957	413,331
PAPER, CARDBOARD & THEIR MANUFACTURES	123,900	26,676	102,068	131,805
TOTAL VALUE	399,184	464,941	444,726	631,727
TOTAL VOLUME (000 m3)	2,278.9	2,806.4	1,776.2	2,277.6

Source: Memoria Económica 1989-1990
Cámara Nacional de la Industria Forestal

Mexico's exports of raw materials and manufactured products from wood were \$271 million in 1989 (1.2 million m3), down from an all time high of \$310 million in 1988. These were composed of manufactured wood products (45%), paper, cardboard and their products (36%), pulp and wood waste for the manufacture of paper (11%) and raw materials (8%). Mexico also exported \$2.9 million or six million kilograms of colophony in 1989.

4.4 MANUFACTURE

In 1989, there were a total of 2,403 plants in the forestry sector as follows:

INDUSTRY	PLANT NUMBER	INSTALLED CAPACITY million	% used	EMPLOYMT 000	INVESTMT million \$
sawmills	954	7.6 m3	76%	23.8	275.9
box manufacturers	1,182	118 units		8.6	14.5
impregnators	21	1.3 m3	40%	2.3	2.4
pulp and paper	73	4.5 ton	79%	34.7	1814.0
board lumber	49	1.4 m3	47%	11.4	720.2
resins	18	0.06 ton	63%	8.0	17.9
secondary workshops	106				

Source: Memoria Económica 1989-1990
Cámara Nacional de la Industria Forestal

The industrial transformation of wood products has operated at an average 60% of capacity, partially due to the unavailability of raw materials, the exploitation of resources below those authorized by SARH (approximately 50%), the low use of secondary products, the inefficient use of machinery and equipment and the inadequate geographical location of many industrial plants.

The largest companies operating in Mexico in the forestry, woodworking, pulp and paper sectors include the following: