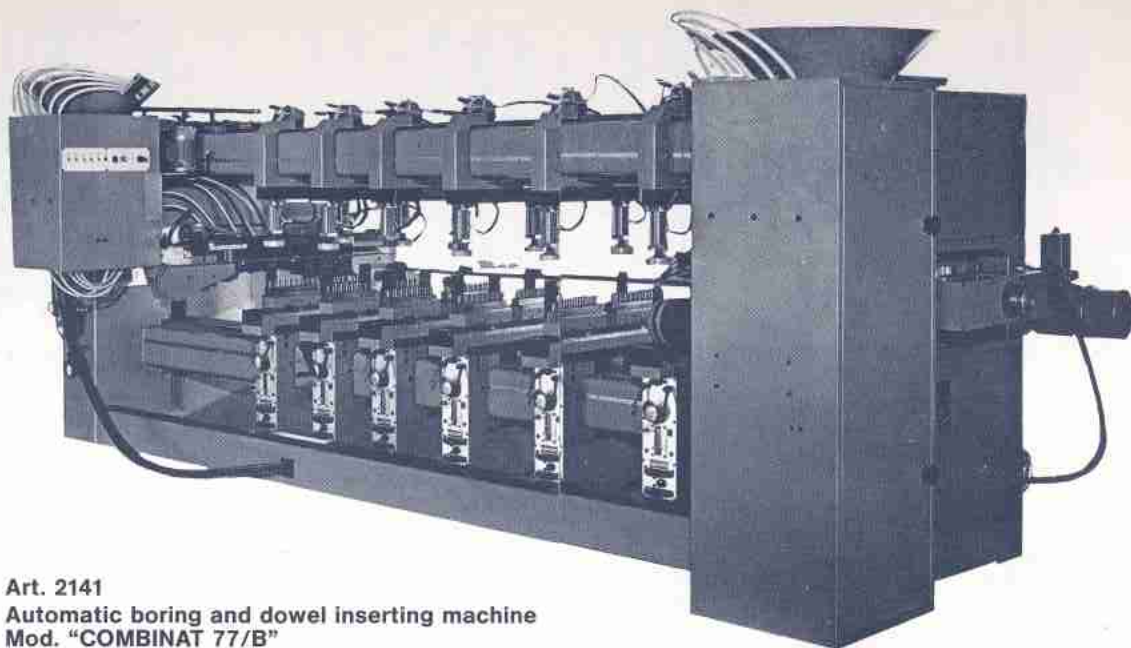


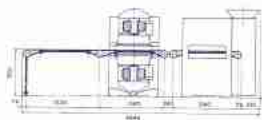
Art. 2140
Automatic boring machine - Mod. "COMBINAT 77/A"



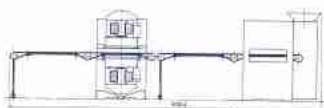
Art. 2141
Automatic boring and dowel inserting machine
Mod. "COMBINAT 77/B"

OVERALL DIMENSIONS OF VARIOUS INSTALLATIONS

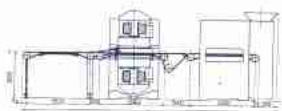
COMBINAT 77 A+B
standard version
without middle conveyor



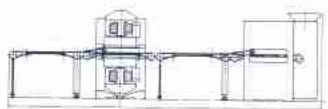
COMBINAT 77 A+B
fast version
with annexed middle conveyor



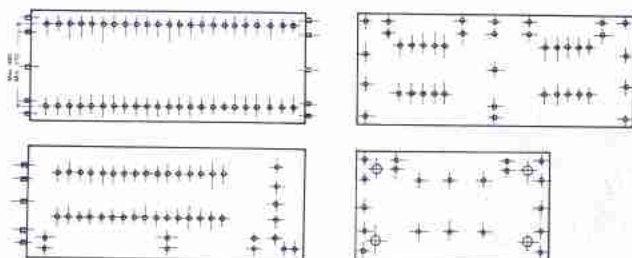
COMBINAT 77 A+B
standard version
with middle conveyor



COMBINAT 77 A+B
fast version with
independent middle conveyor



VARIOUS BORGIN PATTERNS



Technical data "COMBINAT 77 A-B"

	COMBINAT 77/A 30 cycles/min.	COMBINAT 77/B 20 cycles/min.	COMBINAT 77/B 30 cycles/min.	COMBINAT 77/A 20 cycles/min.
Max. boring and/or Dowelling width mm.	3070	3070	3070	3070
Min. boring and/or Dowelling width mm.	320	200	320	200
Max. vertical boring width mm.	3070	3070	3070	3070
Min. approach, between standard group mm.	160	160	160	160
Min. approach, between vertical groups by request mm.	150	150	150	150
Number of cycles per minute No.	28/40	20	28/30	20
Standard centres distance between spindles mm.	32	—	—	32
Standard centres distance between dowelling groups mm.	—	32	32	—
Max. distance between outside dowelling groups mm.	—	608	608	—
Max. dowelling groups each side mm.	—	6	6	—
rpm of 20 spindles heads No/min.	2800	—	—	2800
rpm of 8 spindles splint heads No/min.	4000	—	—	4000
Motor power of each standard group HP	2,5	—	—	2,5
Max. motor power applicable on each group HP	4	—	—	4
Motor power of conveyor HP	0,75/1	0,5	0,75/1	0,5
Power of vibrator for dowels Watt	—	300	300	—
Linear speed of conveyor belt M/min.	43/70	43	43/70	43
Working air pressure Atm	6-7	6-7	6-7	6-7
Max. air consumption for each group NL/ciclo	8	8	8	8
Max. air consumption for automatic devices NL/ciclo	10	10	10	10
Air suction connections Ø mm.	20	200	200	200
Air suction speed m/sec.	25	25	25	25
Working height from the ground mm.	950	950	950	950
Overall dimensions without infeed conveyor mm/(HS20)	4770 x 1500	4770 x 1970	4770 x 1970	4770 x 1500
Seaworthy packing mm/(5H2500)	5500 x 2200	5500 x 2200	5500 x 2200	5500 x 2000
Weight of machines without groups Kg	3500	3800	3800	3500
Average weight of one group Kg	150	150	150	150