

Independent Arms Machines

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The state of the art of the rotational molding: productivity, flexibility, reliability and ease of use.

Choice for simultaneous productions of parts having various cycles: changes of materials (PE, PP, etc.), multiple thicknesses and different complexity and duration of the loading and unloading depending on the numbers of inserts, clamps, frames etc.

Each carriage with its arm, passes from one station to the next one in complete autonomy with totally independent rotations speeds and temperatures sets.

The machine has a modular design: is prepared to add the second, third and fourth arm (straight or offset) in an easy and fast way in the future.

SPECIFICATIONS

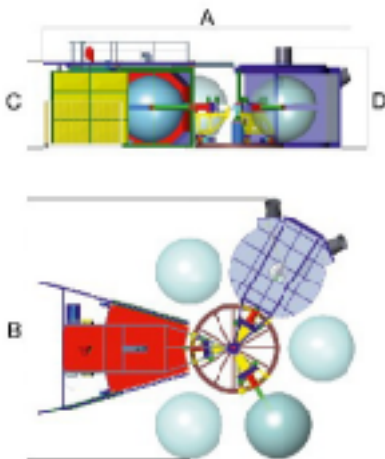
- High insulating wall structure of the oven for energy-saving and doors with modular panels thermally preformed;
- Modulating burner with electronic control to optimize the combustion;
- High efficiency ventilation system with automatic adjustable blades to optimize the heating of the moulds;
- High load capacity of the straight and offset arms, interchangeable in a single block and fast balancing system;
- Transmission with robust gears, driven by AC motors and inverters to control the speeds;
- Cooling chamber in stainless steel with high-efficiency blowing fans to work with air or water spray;
- Touch screen operator interface for the complete management of the processing cycle, visualization, setting of the oven temperature and to control all the functions;
- Electronic safety barriers complete with photocells;
- Visual and acoustic alarm circuit;
- Satellite console to facilitate the operator functions.

WORKING CYCLE

- The machines have up to 6 stations for maximum flexibility;
- Cooking and moulding of the part;
- Intermediate position waiting for the cooling;
- Mould cooling;
- Waiting station and opening moulds position;
- Loading material into moulds;
- Pre oven station to operate for the second layer or sandwich;
- Based on the needs, the configuration can be arranged differently.

OPTIONAL

- Intel oven: automatically adjustable blades in the oven;
- Air humidifier for greater cooling capacity;
- Water recycling pump;
- Cooling station with semicircular sliding doors in stainless steel;
- Intel arm: measuring in real-time the temperatures in the mould;
- Arms with supplementary airways for drop box or Venturi tube;
- Personalized platforms, available movable or fixed;
- Software for moulds electronic balance;
- Mould indexing position for loading and unloading;
- Automatic management cycle;
- Teleservice via modem, GSM or internet.



MODEL	SPHERICAL DIAM.		A		B		C		D	
	mm.	in.	mm.	in.	mm.	in.	mm.	in.	mm.	in.
1400	1500	60	7050	282	6400	256	2050	82	2500	100
1850	1900	76	8000	320	7100	284	2400	96	2850	114
2300	2300	92	9850	394	8600	344	2900	116	3450	138
2600	2600	104	11000	440	9700	388	3100	124	3850	154
2800	2800	112	12500	500	10300	412	3300	132	4050	162
3000	3000	120	12700	508	10800	432	3700	148	4350	174
3200	3200	128	13100	524	11600	464	3850	154	4750	190
3500	3500	140	15500	620	14000	560	4200	168	5000	200
3700	3700	148	16250	650	14400	576	4350	174	5200	208
4000	4000	160	18050	722	15450	618	4500	180	5550	222
4500	4500	180	20350	814	17650	706	5000	200	6100	244
5000	5000	200	20500	820	17800	712	5550	222	6650	266