

WAVE XL

Microwave ovens for fast production, 6 kW adjustable with rotatory table and heating chamber/cabin XL



M.I.T. S.r.l.

Iscritta al Registro Imprese di Pordenone n. 01795250933 – R.E.A. Pordenone n. 105132
33080 San Quirino (PN) Via degli Etruschi, 10
tel. +39 0434 91148 info@mit-industries.biz

WAVE XL ovens implement high technical solutions, usually available in a large production system, studied to be integrated in compact machines and could be managed and operated by one person, reducing the number of labors.

WAVE XL is a line of microwave, infrared and hot/cold air technology that could be combined in order to maximize their efficiency and effectiveness into different treatment processes. The know-how consolidated over years thanks to the expertise which has allowed the use of radiant technologies in different applications sectors. The oven offers an advanced technology to an excellent value for money and is designed in a compact version. It is extremely versatile thanks to the combination of different built solutions:

- ✓ The cavity is stainless steel
- ✓ The opening can be customized with door or shutter (as per request from the customer)
- ✓ The workplane can be fixed or rotating
- ✓ The treatment temperatures - Low: 10°C, Medium: 60°C – 70°C, High: 130°C – 140°C

APPLICATIONS:

WAVE XL ovens can be used in various treatments:

- Food Treatments (Pasteurization, sanification, cooking, drying)
- Polymerization of resins
- Drying of water-based varnishes on wood, plastics, glass etc.

TECHNOLOGY BENEFITS:

- Uniformity of Radiation
- Uniformity of temperature inside the cavity throughout the process
- Selecting the type of radiation
- Product quality
- Repeatability in process
- Adaptable to all customer needs
- Possibility to choose the recipes during the treatment
- User Friendly & Compactness
- Load / unload system facilitated in the machine front
- Instant Power on & off
- 100% safe during use
- Less environmental impact
- Possibility to choose stainless steel cavity
- Possibility to choose refrigerated cavity

M.I.T. S.r.l.

TECHNICAL CHARACTERISTICS

CYLINDRIC RADIANT CAVITY WITH ROTATING PLATFORM TD.1250MM

	LOW TEMPERATURE	MEDIUM TEMPERATURE	HIGH TEMPERATURE
External dimensions (H=w/out feet)	2200x1800xH.2400 mm	2200x1800xH.2400 mm	2200x1800xH.2400 mm
Internal dimensions	D=1250xh.1450 mm	D=1250xh.1450 mm	D=1250xh.1450 mm
Load capacity	240 Kg // 870 l	240 Kg // 870 l	240 Kg // 870 l
Useful inside	850x850xH.1200 mm	850x850xH.1200 mm	850x850xH.1200 mm
Working temperature min-max	From 10°C	Up to 80°C	Up to 140°C
ELECTRIC INSTALLED POWER			
Ventilation	1,35 kW	1,35 kW	1,35 kW
Movement engine	0,37 kW	0,37 kW	0,37 kW
IR resistors	12 kW	12 kW	12 kW
MW absorbed power (Productivity)	9 (6) kW	9 (6) kW	9 (6) kW
REGULATIONS			
IR power regulation	3 Step	3 Step	3 Step
	IR short/IR medium/IR long	IR short/IR medium/IR long	IR short/IR medium/IR long
MW power regulation	4 step: 25/50/75/100%	4 step: 25/50/75/100%	4 step: 25/50/75/100%
Air expulsive regulation	Yes	Yes	Yes
Air recircle treatment	Yes	Yes	Yes
Recall Programmes	256	256	256

CYLINDRIC RADIANT CAVITY WITH ROTATING PLATFORM TD.1450MM

	LOW TEMPERATURE	MEDIUM TEMPERATURE	HIGH TEMPERATURE
External dimensions (H=w/out feet)	2400x1800xH.2400 mm	2400x1800xH.2400 mm	2400x1800xH.2400 mm
Internal dimensions	D=1450xh.1450 mm	D=1450xh.1450 mm	D=1450xh.1450 mm
Load capacity	400 Kg // 1150 l	400 Kg // 1150 l	400 Kg // 1150 l
Useful inside	850x850xH.1200 mm	850x850xH.1200 mm	850x850xH.1200 mm
Working temperature min-max	From 10°C	Up to 80°C	Up to 140°C
ELECTRIC INSTALLED POWER			
Ventilation	1,35 kW	1,35 kW	1,35 kW
Movement engine	0,37 kW	0,37 kW	0,37 kW
IR resistors	12 kW	12 kW	12 kW
MW absorbed power (Productivity)	9 (6) kW	9 (6) kW	9 (6) kW
REGULATIONS			
IR power regulation	3 Step	3 Step	3 Step
	IR short/IR medium/IR long	IR short/IR medium/IR long	IR short/IR medium/IR long
MW power regulation	4 step: 25/50/75/100%	4 step: 25/50/75/100%	4 step: 25/50/75/100%
Air expulsive regulation	Yes	Yes	Yes
Air recycle treatment	Yes	Yes	Yes
Recall Programme	256	256	256