



# Bonn

Commercial Microwave Ovens  
As of January 2012

Australia's First Choice in Commercial Microwave Ovens

# COMMERCIAL MICROWAVE OVENS



Bonn, the most respected name in commercial microwave ovens. More than 20,000 food outlets Australia wide currently rely on a Bonn for their heating requirements. Restaurants, Coffee Shops, Snack Bars, Hotels, Schools, Universities, Fast Food Outlets, Food Laboratories and even soil and mineral testing labs are all home to Bonn Commercial Microwave Ovens. Protect your investment by purchasing the highest quality best performing commercial microwave ovens available.

## Quality

Bonn represents quality. From the design stage right through to the materials and components used quality and reliability is the primary focus. That's why Bonn Commercial Microwave Ovens are supplied with up to 3 years warranty\*, that's 3 times the warranty our competitors offer. The Bonn Heavy-Duty range is quite simply the bench mark in commercial microwave ovens which enables us to offer warranties far in excess of the rest.

## After Sales Service

At Bonn we take great pride in our customer service. We understand that your Commercial Microwave Oven represents income to your business. That's why Bonn Commercial Microwave Ovens are supported by a nation wide service network to ensure your service requirements are handled efficiently to ensure minimal disruption to your business. All replacement parts are held in stock at all times for all models ensuring prompt supply. No unnecessary downtime awaiting parts to be supplied from overseas!

## What features does a Commercial Microwave Oven offer?

### All Stainless Steel Construction

Bonn Commercial Microwave Ovens are constructed internally and externally from high grade stainless steel. Stainless steel resists breaking down and offers the sanitary benefits required in a food service environment. Most domestic household microwave ovens use enamel or epoxy type finishes that can breakdown when exposed to harsh cleaning agents or abrasive pads.

### Programmable Touchpad

Unlike domestic household microwave ovens a commercial microwave oven offers the user the benefit of being able to program or store popular heating times. Once programmed, the user can operate the oven with the push of a single button ensuring a speedy consistent result every time. This feature saves time and significantly reduces the chances of operator misuse particularly for temporary or part time staff.

### No Glass Turntable

Bonn Commercial Microwave Ovens feature a ceramic base rather than a glass turntable to place food on. Unlike glass turntables the ceramic base does not need to rotate in order to heat the product. The advantage that this offers is a far larger usable oven cavity hence the ability to fit far larger plates and dishes into the oven as they are not required to rotate. As there is no longer the requirement to rotate a glass turntable, electronics or motors normally fitted under the turntable are no longer required. This significantly improves reliability as these components are no longer subject to spilled liquids, fat or grease. Cleaning the oven also becomes far easier without the small tedious components that are necessary with a glass turntable design.

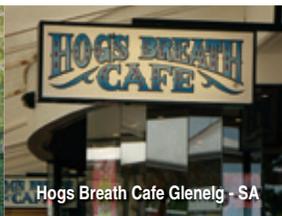
## What you should know when selecting an oven

Microwave ovens are the fastest most effective way to heat or reconstitute food and therefore can be found in almost all kitchens and foodservice outlets. Given its vital role it is important to understand that whilst all microwave ovens perform exactly the same function they are not all the same. There are significant differences between microwave ovens that will effect their performance and reliability in varying applications and workloads. Selecting the correct microwave oven most suitable for your application is crucial to ensure your heating requirements are met, reliability is maintained and ultimately the return on your investment is maximized.

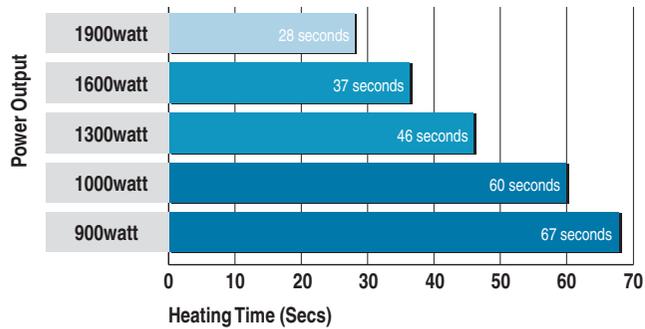
Listed to the right are key facts, frequently asked questions and answers that should be considered when purchasing a commercial microwave oven.

## Oven power and speed

The speed of a microwave oven is determined by the power output (not input) and is measured in watts. Bonn Commercial Microwave Ovens range in power output from 900watts to 1900watts. The following graph shows the relationship that power output has to heating time.



### Heating Time Comparisons for Identical Product at Varying Power Output



a. What are the benefits of having higher power output?

The greater the power output the faster the oven and hence less time is required to heat the product. The Bonn CM-1900T with power output of 1900watts is by far the fastest oven capable of reducing heating times by up to 60%. Users looking for a significant reduction in heating times should consider the CM-1900T or CM-1300T models. These models are the recommended models for outlets requiring fast heating times.

b. Is a Commercial Microwave Oven Faster than a Household Domestic Microwave Oven?

A commercial microwave oven will only be faster than a domestic or household microwave oven if it has a higher power output. Should both ovens have the same power output then heating time will be almost the same. The commercial oven will however be capable of operating for longer periods of time with greater reliability and are therefore more cost effective.

c. Shall I purchase 2 smaller 1100watt ovens or a single 1900watt oven for the same price?

It is more efficient to purchase 1 x CM-1900T (1900watt) oven than it is to purchase 2 x CM-1041T (1100watt) ovens. Purchasing 1 high power Heavy-Duty oven is far more cost effective and efficient than purchasing two lower power lighter duty ovens. A single 1900watt Heavy-Duty oven will also out perform and last longer than two Light-Duty 1100watt ovens.

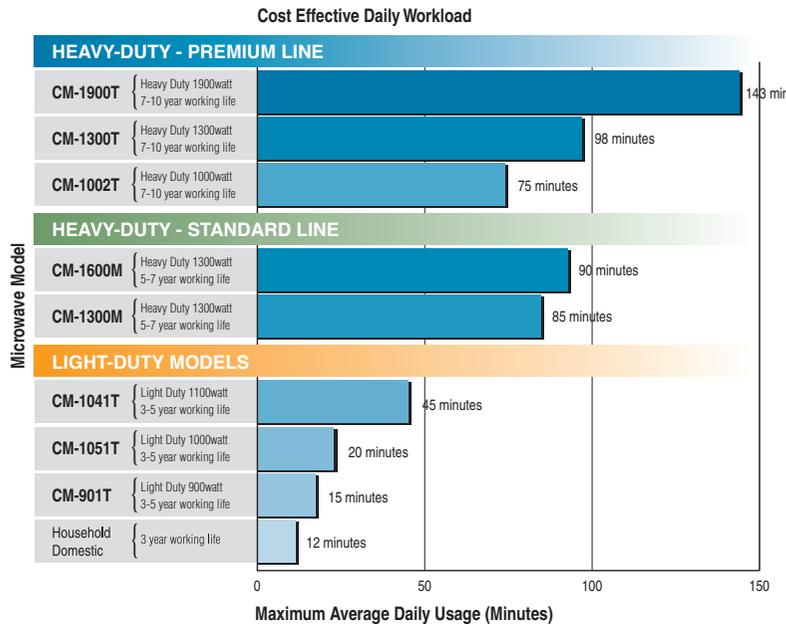
d. Can a microwave heat more than 1 item at a time?

Microwave Ovens are designed to heat a single item at a time, not multiple items. Heating multiple items will offer little or no savings in heating time and temperature consistency throughout the items may not be consistent. The only way to increase output and maintain product consistency is to use a more powerful oven and heat single items at a time.

### Which model is best suited to my requirements?

All microwave ovens whether commercial or household domestic type are designed to perform a specific workload over a set period of time. This specific workload is measured by the Cost Effective Daily Workload. The Cost Effective Daily Workload represents the maximum average usage in minutes that the oven is designed to be used for on a daily basis. Selecting the correct model oven that matches your usage patterns will ensure that you get the most cost effective microwave oven for your workload, and hence the best return on your financial investment. Selecting the incorrect oven and consistently exceeding the Cost Effective Daily Workload will almost certainly result in greater service costs and a significant reduction in the oven lifespan. In this scenario cost of ownership becomes far greater compared to selecting the correct sized oven.

The following graph illustrates the Cost Effective Daily Workload for all Bonn Commercial Microwave Ovens and highlights the advantages over a typical household domestic style microwave oven.



It is clear to see that the differences in workloads that these ovens are designed to perform within vary significantly. The Heavy-Duty CM-1900T has a cost effective daily workload rating of 143 minutes, 12 times the cost effective workload of a domestic household microwave oven. In addition the CM-1900T has a working life of 7-10 years compared to just 3 years for a typical household domestic microwave oven.

The CM-1900T has a cost effective working life of 7-10 years compared to 3 years for a typical domestic household microwave oven. Taking this into consideration along with the daily usage ratings of 143 minutes compared to 12 minutes shows that a CM-1900T offers 28 times the workload of a typical household domestic microwave oven.

When taking into consideration the workload differences, oven working life and initial purchase price, and considering the Heavy-Duty workload expected of an oven in commercial use, the CM-1900T will offer a reduction in microwaving costs of approximately 75% over a typical household domestic microwave oven. Therefore selecting the correct model that fits your usage requirements is important to ensure the most cost effective choice for your kitchen.

### What happens if my oven usage exceeds the Daily Cost Effective Workload?

The Daily Cost Effective workload is an average guideline. Usage in excess of this figure from time to time will cause no problem. However regular usage in excess of this figure may result in increased service requirements and a potential reduction in the lifespan of the oven, all of which increases cost of ownership.

## Durability & Reliability

Bonn Commercial Microwave Ovens are designed to provide reliability under heavy use in a tough kitchen environment. All ovens are designed and manufactured using heavy grade hinges, door catches, stainless cavity's and robust components. Testing procedures carried out to ensure that our ovens work under heavy load include:

- Door open and close endurance test - Door open and close 400,000 times.
- Control panel endurance test - Operating the touch pad buttons 200,000 times.
- Intermittent operation endurance test - On(60sec) and Off(30sec) 200,000 times, On(20sec) and Off(10sec) 200,000 times.

In a commercial kitchen the combination of various cooking equipment operating at high temperatures and the amount of steam and smoke generated creates a tough atmosphere for microwave ovens. After closing time the temperature of the kitchen drops significantly. When designing Bonn Commercial Microwave Ovens this environment is simulated to ensure reliability, some of these tests include:

- Dust and cooking vapour test - Operating oven in dust and cooking vapour at 40C, humidity of 95%.
- Printed circuit board evaluation test - Printed circuit board tested in -40C to +85C, humidity 85%.
- Bonn's commitment to durability and reliability has enabled longer than usual warranty periods. Warranty periods of up to 3 years, by far in excess of the industry norm illustrates belief in our products.



- Combined stress test Temperature from 0°C to 40°C with Humidity of 85%
- Control Panel Endurance Test Operating the keypads 200,000 times
- Printed Circuit Board evaluation test Temperature from -40°C to +85°C with Humidity of 85%

# HEAVY-DUTY MODELS – PREMIUM LINE

Designed and constructed to the highest of standards. The CM-1900T, CM-1300T and CM-1002T continue to provide caterers with the performance and reliability expected from the industry's leading name in Commercial Microwave Ovens. Significant advances in design and technology have made the CM-1900T, CM-1300T and CM-1002T the most advanced commercial microwave ovens in the company's history. Increased structural strength has also made the Bonn heavy-duty range the most robust high power ovens ever to be released by the company. As to be expected from the industry leader, Bonn now offers increased warranty on its range of heavy-duty machines. The Bonn CM-1900T, CM-1300T and CM-1002T models now offer warranty periods of up to 3 years,

far in excess of the industry norm. Used within the recommended guidelines these ovens on average have a 7-10 year cost effective life span.

## INCREASED CAVITY SIZE

All Heavy-Duty models feature a large 26litre oven capacity. By commercial standards this is approximately 20-30% greater than most traditional high power commercial microwave ovens. Width and depth have been noticeably increased to 330mm x 330mm enabling the largest of gourmet dining plates and dishes to be used.

## CONTROL PANEL

Designed for speedy easy use, the control panel is clear and precise featuring 30 preset programs for 'one touch' heating. Other features include automatic air filter cleaning notification and self diagnostics to assist in over the phone service enquiries.

## OVER SPECIFIED COMPONENTS

All Bonn Heavy-Duty Range models use over specified components. This means that all key components such as transformers, magnetrons & cooling motors operate well below their rated maximum capacities. This minimizes stress and heat buildup and ultimately provides greater reliability and durability.

**THREE YEAR WARRANTY\***

The CM-1900T, CM-1300T and CM-1002T are supplied with up to 3 years warranty that covers:

1st Year - Parts & Labour  
2nd Year - Parts Only  
3rd Year - Parts Only on all Electronic Circuit Boards & Transformers



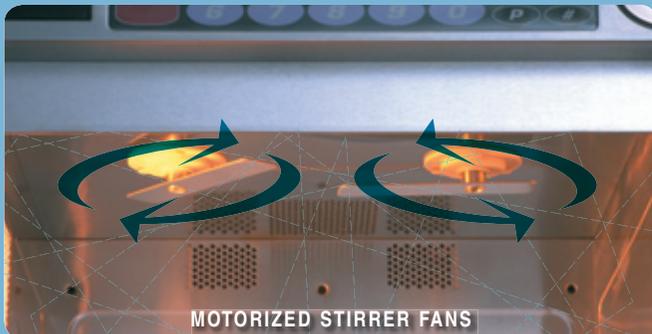
## CM-1900T

1900 watts

The Bonn CM-1900T with 1900watt power output is the most powerful compact style commercial microwave oven available in today's market place. Combined with Heavy-Duty reliability the CM-1900T is the ultimate model for users requiring speed and reliability.

The CM-1900T is the most recognized Heavy-Duty commercial microwave oven amongst professional caterers and the bench mark by which all others are compared.

The CM-1900T utilizes Dual Magnetron Technology. Dual magnetron technology reduces the operating temperature of the magnetron by up to 50%. Reliability is increased significantly and the operating life of the oven is far longer than single magnetron microwave ovens.



(Terms & Conditions of warranty apply. See warranty conditions supplied packaged with the new oven.)



## CM-1300T

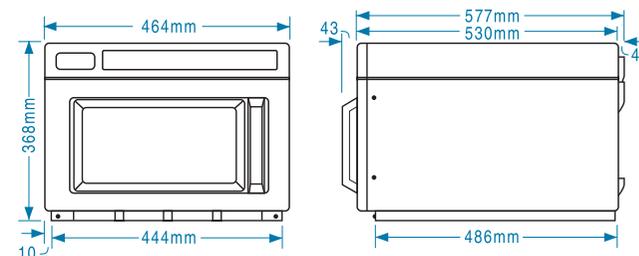
1300 watts

The Bonn CM-1300T offers all the same design and reliability benefits of the industry leading CM-1900T with a 1300watt power output.

The CM-1300T offers users the most powerful, robust and reliable commercial microwave oven that can be used with a 10 amp power supply. Ideal for applications where 15amp power supply is not available or cost effective.

The CM-1300T utilizes Dual Magnetron Technology. Dual magnetron technology reduces the operating temperature of the magnetron by up to 50%. Reliability is increased significantly and the operating life of the oven is far longer than single magnetron microwave ovens.

**COST EFFECTIVE DAILY WORKLOAD**  
98min



## CM-1002T

1000 watts

The CM-1002T uses the same core components as the more powerful CM-1300T & CM-1900T models, hence the same robust reliability is maintained.

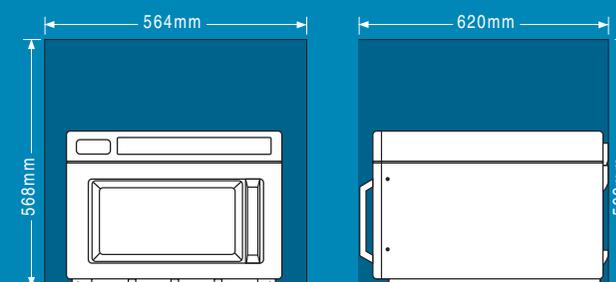
With 1000watt power output the CM-1002T is well suited to applications where heating time is less critical however workload is still heavy.

**COST EFFECTIVE DAILY WORKLOAD**  
75min

## Installation Guide

All microwave ovens should be installed in a well ventilated area.

Below are the minimum recommended built in installation dimensions for the Bonn Heavy-Duty range of ovens (CM-1900T, CM-1300T & CM-1002T).



	Power Output	Oven Capacity	Programmable Control Panel	Number of Programs	Ceramic Base	Glass Turntable	Internal Stainless Steel Construction	External Stainless Steel Construction	Inner Door Construction	Power Point Required	Weight	Current Drawn	Power Source	External Dimensions	Internal Dimensions
CM-1900T	1900 watts	26 litre	✓	30	✓	✗	✓	✓	Toughened Glass	15 amp	32kg	14.9 amp	240V - 50Hz	464w x 368h x 620d	370w x 190h x 370d
CM-1300T	1300 watts	26 litre	✓	30	✓	✗	✓	✓	Toughened Glass	10 amp	32kg	9.8 amp	240V - 50Hz	464w x 368h x 620d	370w x 190h x 370d
CM-1002T	1000 watts	26 litre	✓	30	✓	✗	✓	✓	Toughened Glass	10 amp	27kg	7.6 amp	240V - 50Hz	464w x 368h x 620d	370w x 190h x 370d

### MOTORIZED STIRRER FANS

New motorized stirrer fans ensure that microwave energy dispersion is even throughout the oven cavity eliminating "coldspots" in heated food. Unlike conventional wind driven stirrer fans, motorized stirrers prevent clogging and sticking occurring with fat and grease buildup. Both motorized stirrer fans are ceiling mounted, unlike top and bottom feed designs, fat and grease does not drain to the bottom stirrer causing arcing.

### GLASS DOOR

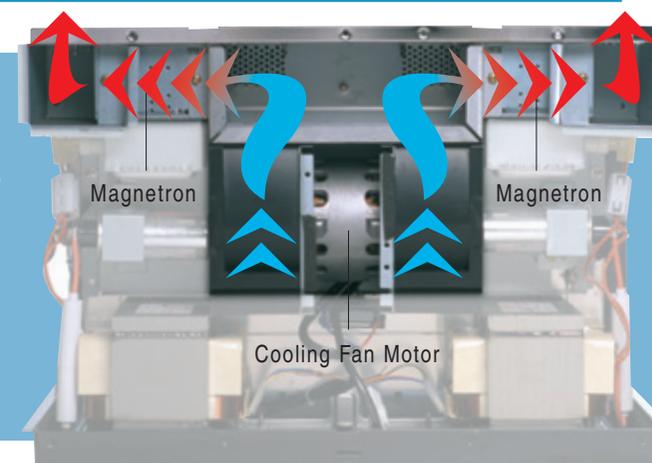
Strengthened door construction featuring silicon sealed toughened inner door glass. Unlike clear film lined or plastic inner doors, toughened inner door glass provides easier cleaning and greater resistance against inner door burning due to dishes touching the inner door or hot splattering fat. Toughened glass also resists peeling unlike commonly used clear film sealed doors.

### TWIN LIGHT BULBS

Increased lighting provides greater cavity illumination. 2 x 25watt light bulbs provide twice the lighting of previous models. Bulbs are mounted in silicon to prevent damage due to door vibrations. Light bulb replacement is made easy through the bulb replacement panel.

### DIRECT DUCTED COOLING SYSTEM

Magnetron life is kept to a maximum using a unique duct design being fed by the largest cooling fan motor ever fitted in a Bonn Commercial Microwave Oven. Each magnetron is individually ducted directly to the fan motor for maximum cooling capacity.



# HEAVY-DUTY – STANDARD LINE

Introducing the new **Standard Line Range** of Heavy Duty Commercial Microwave Ovens from Bonn. Developed using the same robust platform as the industry leading Bonn Heavy Duty Premium Line Range.

The CM-1600M and CM-1300M offer users an economical solution to Heavy Duty High Powered heating requirements without the need for preset programming or multi stage heating. Variable power output and digitally controlled timer ensures accurate heating of food while a 'One Touch' express 20 second button enables instant convenient heating. The Standard Line Range features a large 26litre internal capacity capable of accommodating even the largest of dining dishes.



## CM-1600M

1600 watts



The CM-1600M offers a high power 1600watt power output, twin motorised stirrer fans and dual magnetron technology. This heavy duty oven has a full stainless steel interior and exterior. The inner door is finished in toughened glass for maximum reliability against hot splattering fat and grease. The CM-1600M is stackable to enable placement of 2 ovens into the same footprint as a single CM-1600M.

Dual magnetron technology reduces the operating temperature of the magnetron by up to 50%. Reliability is increased significantly and the operating life of the oven is far longer than single magnetron microwave ovens.

The CM-1600M requires a 15amp power supply.



## CM-1300M

1300 watts



The CM-1300M is manufactured using the same features as the CM-1600M. With a power output of 1300watts the CM-1300M offers a Heavy Duty solution with maximum power output from a 10amp power point. Ideal for applications where 15amp power is not available. The CM-1300M is stackable to enable placement of 2 ovens into the same footprint as a single CM-1300M.

Dual magnetron technology reduces the operating temperature of the magnetron by up to 50%. Reliability is increased significantly and the operating life of the oven is far longer than single magnetron microwave ovens.

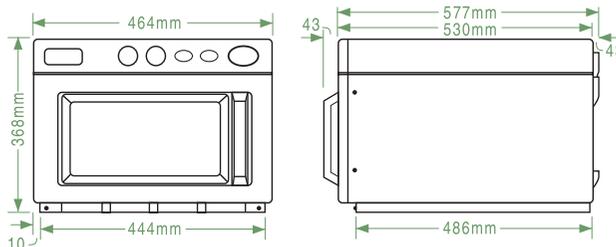
The CM-1300M requires a 10amp power supply.



	Power Output	Oven Capacity	Programmable Control Panel	Express 20 Sec Function	Ceramic Base	Glass Turntable	Internal Stainless Steel Construction	External Stainless Steel Construction	Inner Door Construction	Power Point Required	Weight	Current Drawn	Power Source	External Dimensions	External Dimensions
CM-1600M	1600 watts	26 litre	✗	✓	✓	✗	✓	✓	Toughened Glass	15 amp	32kg	12.6 amp	240V - 50Hz	464w x 368h x 620d	370w x 190h x 370d
CM-1300M	1300 watts	26 litre	✗	✓	✓	✗	✓	✓	Toughened Glass	10 amp	32kg	9.8 amp	240V - 50Hz	464w x 368h x 620d	370w x 190h x 370d



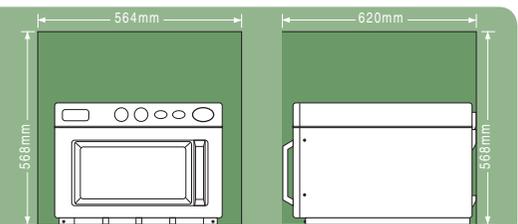
12 month parts and labour warranty\*



## Installation Guide

All microwave ovens should be installed in a well ventilated area.

Below are the minimum recommended built in installation dimensions for the Bonn Heavy-Duty range of ovens (CM-1600M, CM-1300M).



\* Warranty is subject to "Terms and Conditions". See warranty card supplied with the oven for details.

# LIGHT-DUTY MODELS



**NOW WITH  
2 YEAR WARRANTY\***

**TWO YEAR WARRANTY\***  
24 month parts & 12 month labour\*

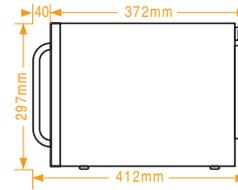
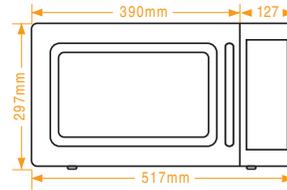
**COST EFFECTIVE  
DAILY WORKLOAD**  
45min

## CM-1041T

1100 watts

The CM-1041T offers users preset programming, ceramic base, full stainless steel construction and a large 26 litre capacity all in a 1100watt Light-Duty Oven. The CM-1041T is covered by a 2 Year warranty covering Parts for 24 Months & Labour for 12 Months.

	Power Output	Oven Capacity	Programmable Control Panel	Number of Programs	Ceramic Base	Glass Turntable	Full Stainless Steel Construction
CM-1041T	1100 watts	26 Litre	✓	20	✓	✗	✓

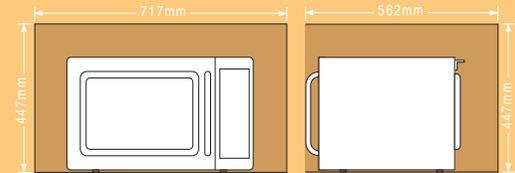


## Installation Guide

All microwave ovens should be installed in a well ventilated area.

Below are the recommended minimum built in installation dimensions for each of the Light-Duty models.

### CM-1041T



**NOW WITH  
2 YEAR WARRANTY\***

**TWO YEAR WARRANTY\***  
24 month parts & 12 month labour\*

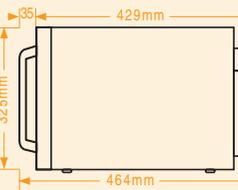
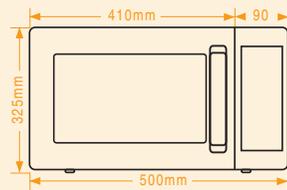
**COST EFFECTIVE  
DAILY WORKLOAD**  
20min

## CM-1051T

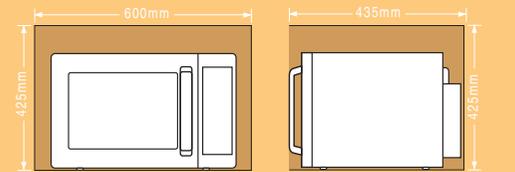
1000 watts

The CM-1051T offers users a compact solution for Light-Duty heating requirements. Full stainless Steel internal & external construction, programmable touch pad, ceramic base and a 22 litre oven capacity. The CM-1051T is covered by a 2 Year warranty covering Parts for 24 Months & Labour for 12 Months.

	Power Output	Oven Capacity	Programmable Control Panel	Number of Programs	Ceramic Base	Glass Turntable	Full Stainless Steel Construction
CM-1051T	1000 watts	22 Litre	✓	20	✓	✗	✓



### CM-1051T



**12 MONTH WARRANTY**  
12 month parts and labour warranty\*

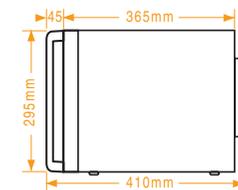
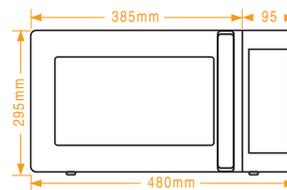
**COST EFFECTIVE  
DAILY WORKLOAD**  
15min

## CM-901T

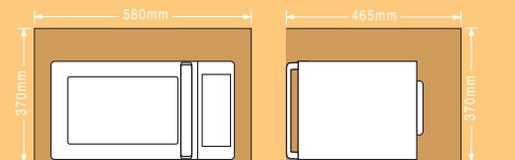
900 watts

The CM-901T incorporates a fully programmable touch pad in an entry level compact light duty package. The CM-901T also features a ceramic base and motorised stirrer fan to ensure ease of cleaning and maximum usability from its 21 litre capacity.

	Power Output	Oven Capacity	Programmable Control Panel	Number of Programs	Ceramic Base	Glass Turntable	Stainless Steel Housing
CM-901T	900 watts	21 Litre	✓	20	✓	✗	✓



### CM-901T



# SPECIFICATIONS

	HEAVY DUTY – PREMIUM LINE			HEAVY-DUTY – STANDARD LINE		LIGHT-DUTY		
	CM-1900T	CM-1300T	CM-1002T	CM-1600M	CM-1300M	CM-1041T	CM-1051T	CM-901T
<b>Power Output:</b>	1900watts	1300watts	1000watts	1600watts	1300watts	1100watts	1000watts	900watts
<b>Power Input:</b>	3200watts	2200watts	1500watts	2770watts	2200watts	1650watts	1500watts	1350watts
<b>Current Requirement:</b>	14.6amp (15amp power supply) required	9.8amp (10amp power supply) required	7.6amp (10amp power supply) required	12.6amp (15amp power supply) required	9.8amp (10amp power supply) required	7.9amp (10amp power supply) required	7.6amp (10amp power supply) required	7.0amp (10amp power supply) required
<b>Voltage:</b>	240/50Hz	240/50Hz	240/50Hz	240/50Hz	240/50Hz	240/50Hz	240/50Hz	240/50Hz
<b>Weight:</b>	32kg	32kg	26.5kg	32kg	32kg	18kg	19.5kg	15.5kg
<b>Oven Capacity:</b>	26litre	26litre	26litre	26litre	26litre	26litre	22litre	21litre
<b>Internal Dimensions:</b>	370W x 190H x 370D	370W x 190H x 370D	370W x 190H x 370D	370W x 190H x 370D	370W x 190H x 370D	336W x 225H x 349D	307W x 209H x 329D	300W x 195H x 290D
<b>External Dimensions:</b>	464W x 368H x 620D	464W x 368H x 620D	464W x 368H x 620D	464W x 368H x 620D	464W x 368H x 620D	517W x 297H x 412D	500W x 325H x 429D	480W x 295H x 365D
<b>Internal Construction:</b>	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Acrylic Resin
<b>External Construction:</b>	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel Housing
<b>Controls:</b>	Touch Control 30 Preset Programs Double Quantity Programming Manual & Program Control Variable Power Output (10-100%) Multiple Stage Cooking Auto Repeat Counter Check Functions Memory Lock Memory Check Self Diagnostics & Air Filter clean time reminder	Touch Control 30 Preset Programs Double Quantity Programming Manual & Program Control Variable Power Output (10-100%) Multiple Stage Cooking Auto Repeat Counter Check Functions Memory Lock Memory Check Self Diagnostics & Air Filter clean time reminder	Touch Control 30 Preset Programs Double Quantity Programming Manual & Program Control Variable Power Output (10-100%) Multiple Stage Cooking Auto Repeat Counter Check Functions Memory Lock Memory Check Self Diagnostics & Air Filter clean time reminder	Touch Control Digital Controlled Timer Variable Power Output (Defrost to High) Auto Repeat Express 20 sec Function Self Diagnostics & Air Filter clean time reminder	Touch Control Digital Controlled Timer Variable Power Output (Defrost to High) Auto Repeat Express 20 sec Function Self Diagnostics & Air Filter clean time reminder	Touch Control 20 Preset Programs Double Quantity Programming Manual & Program Control Variable Power Output (10-100%) (Defrost - High) Multiple Stage Cooking Auto Repeat Counter Check Functions Memory Lock Memory Check	Touch Control 20 Preset Programs Manual & Program Control Variable Power Output (10-100%) Multiple Stage Cooking Memory Lock	Touch Control Variable Power Output (Defrost to High) 20 Preset Programs
<b>Features:</b>	Twin Magnetrons Twin Stirrer Fan	Twin Magnetrons Twin Stirrer Fan	Single Magnetron Single Stirrer Fan	Twin Magnetrons Twin Stirrer Fan	Twin Magnetrons Twin Stirrer Fan	Single Magnetron Single Stirrer Fan	Single Magnetron Single Stirrer Fan	Single Magnetron Single Stirrer Fan
<b>Warranty</b>	3 Years*	3 Years*	3 Years*	12 Months*	12 Months*	2 Years*	2 Years*	12 Months*

\*Subject to warranty conditions packaged with oven.

All specifications are subject to change without prior notice.

## BONN APPLIANCES



Bonn Appliances are specialists in Commercial Microwave Ovens and Combination Ovens. Whatever your needs or requirements Bonn Appliances can help you. Bonn Appliances has experienced sales and service specialists in all major capital cities throughout Australia and New Zealand. Please contact us, your call is welcomed.

[www.bonnappliances.com](http://www.bonnappliances.com)

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