

BIZ

by BUMIL IND. CO., LTD

MAGAZINE

02

03

04

05 IH

06 I.H

ASS'Y

07



<http://durl.me/5hw932>



범일산업(주)
Bumil Industrial Co., Ltd.



ISO 9001



MAIN - BIZ

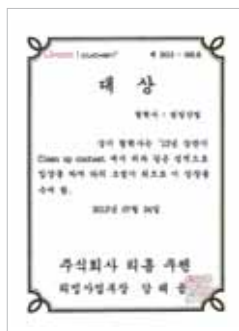
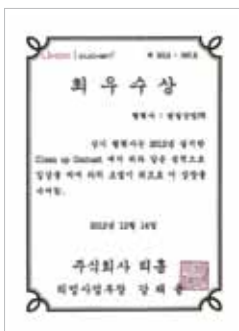




()
 , Pot
 I.H 1980 40%
 , I.H ASS'Y
 가
 “ ” 가

COMPANY HISTORY

1980. 10.
 1984. 05. ()
 1992. 10. () (,)
 1997. 05. ()
 1998. 10. (), ()
 12. ()
 1999. 11. ISO-9001
 12. 100 /
 2001. 08. ()
 2005. 06. ()
 12. ()
 2010. 01. ()
 08. I.H ASS'Y
 2011. 03. & I.H ASS'Y
 2012. 04. 가
 2013. 07. I.H ASS'Y
 07. () Clean up Contest

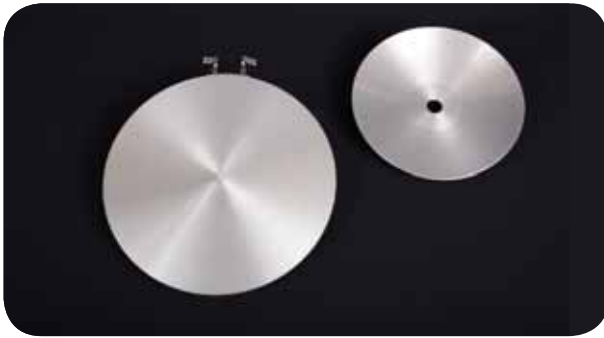


HEATING PLATE

B



B

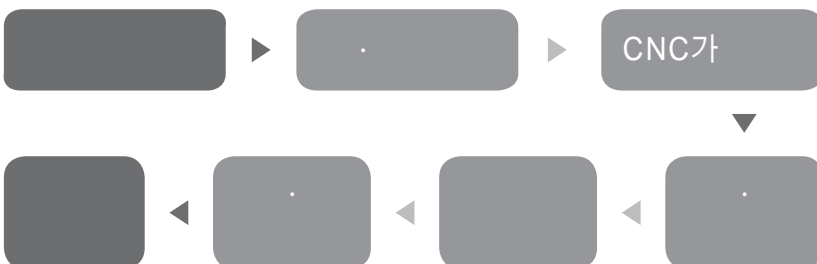


B

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B



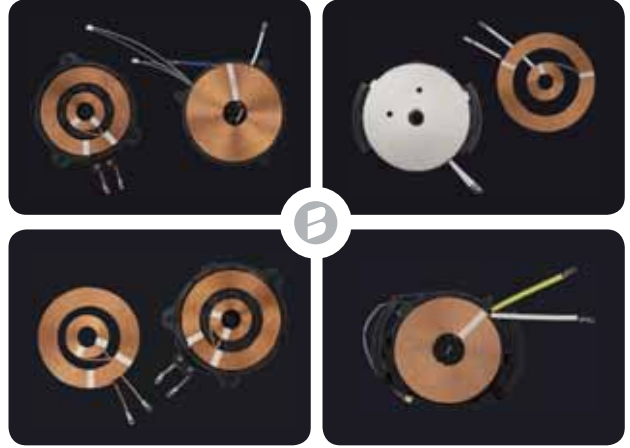
B I.H

ASS'Y



B I.H

ASS'Y



B

(FUSING)

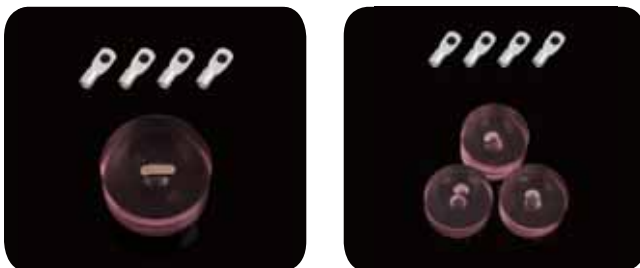
가

()

B

		(FUSING)
	1) 2) 3)	
	Litz Wire 가	가

B I.H



IH COIL



Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.30	20	22	14	166	133	
	25	15	15	131	113	
	39	13	11	65	61	
0.40	14	18	18	170	167	
	25	12	13	70	82	

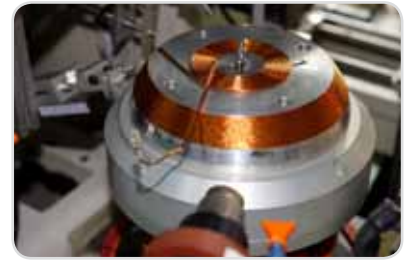
Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.30	25	9	10	83	55	
	34	7	9	63	50	



Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.18	80	28	–	76	96	
0.30	40	6	17	68	35	



Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.2	80	25	–	110 ▽	71	
	100	32	–	110 ▽	117	
	120	10	10	50 ▽	76	
0.3	36	25	–	110 ▽	71	
	45	32	–	110 ▽	117	
	54	10	10	50 ▽	76	



B I.H (Induction Heating) Coil

7	Servo Motor	Digital					
		1/100mm	가	가			
		Self-Bonding Wire			가	가	
			가	가		가	
0.10, 1,000가						가	
(Terminal)	Fusing						가
	가						

B I.H Coil

() ()

COIL 가

B

KOREA

LG Electronics LIHOM CUCHEN* CUCKOO

JAPAN

TIGER SHARP SANYO MITSUBISHI

INCHEON TOURISM



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1330

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3



Flight time

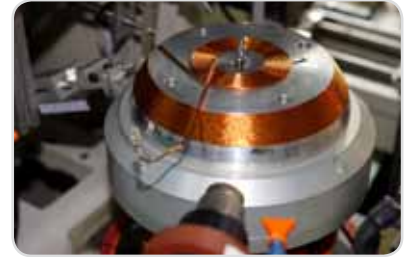
- NewYork ▶ Incheon = 14h 17m
- London ▶ Incheon = 11h 32m
- Paris ▶ Incheon = 11h 40m
- Berlin ▶ Incheon = 10h 37m
- Ankara ▶ Incheon = 10h 7m
- Tokyo ▶ Incheon = 1h 59m
- Beijing ▶ Incheon = 1h 39m



범일산업(주)
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Tel. +82-32-812-3880/3 Fax. +82-32-812-3882 E-mail. bumilind@bumilind.co.kr
www.bumilind.co.kr



B Features of I.H (Induction Heating) Coil

Digital Control with 7-axis Servo Motor the product quality is uniform.

Dimensions of the product can be managed by the management to 1/100mm quality products can be produced.

Required by customers can design various types of molds and production of various types of response are possible.

Φ0.10, 1,000 strands be winding up, and from low-power to high-power production response is possible.

Terminal joining method adopted Fusing manner, and the bonding of copper terminals and good condition, and no change in electrical properties can produce a superior product.

B IH Coil Winding Process

Coil Winding	Attach the connector to the coil	Power supply into Coil
	Coil Cooling	DCR Test
		Final Product

Coil emission from winding up the whole process automation process is capable of producing a uniform product.

B Major Clients

KOREA

LG Electronics LIHOM CUCHEN CUCKOO

JAPAN

TIGER
TIGER CORPORATION

SHARP

SANYO

MITSUBISHI

IH COIL

B IH working coil spec for Rice Cooker



Domestic

Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.30	20	22	14	166	133	
	25	15	15	131	113	
	39	13	11	65	61	
0.40	14	18	18	170	167	
	25	12	13	70	82	

Export

Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.30	25	9	10	83	55	
	34	7	9	63	50	

B IH working coil spec for Range



Domestic

Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.18	80	28	-	76	96	
0.30	40	6	17	68	35	



Export

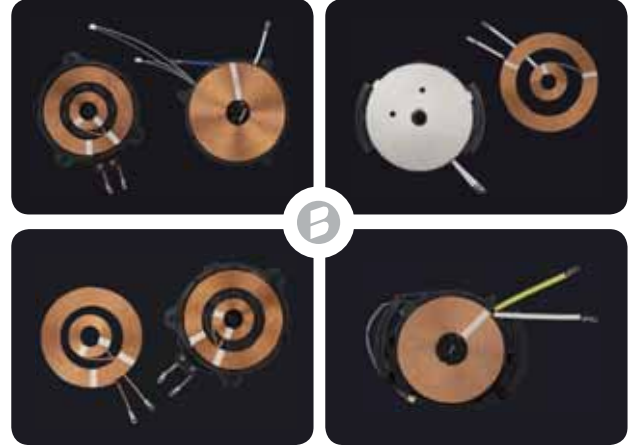
Coil Spec.		Turns		Electrical Characteristics		Remark
Conductor Dia	Number of strands	Inside	Outside	R (mΩ)	L (μH)	
0.2	80	25	-	110 ▽	71	
	100	32	-	110 ▽	117	
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0.3	36	25	-	110 ▽	71	
	45	32	-	110 ▽	117	
	54	10	10	50 ▽	76	

I.H WORKING COIL ASS'Y

B I.H Cooker working coil ASS'Y



B I.H Range working coil ASS'Y



B The advantages of FUSING

The Fusing method is stable for electrical characteristics of the product.

B Compare of soldering & Fusing

ITEMS	SOLDERING	FUSING
Process	<ol style="list-style-type: none"> 1) Remove the film of the insulating layer. 2) Coil last part has to Soldering. 3) Terminal & Coil make pressed together. 	The Fusing operate it in a once.
Electrical Characteristics	When terminals are welding with copper wire will be joining up to hundreds of strands. so, The center of litz wire should not be soldered. It is become unstable to the electrical characteristics.	The coupling of Terminal and coil is excellent. Electrical characteristics are stable.
Environment	Hazardous substances occur such as plumbum remains.	Environment friendly.

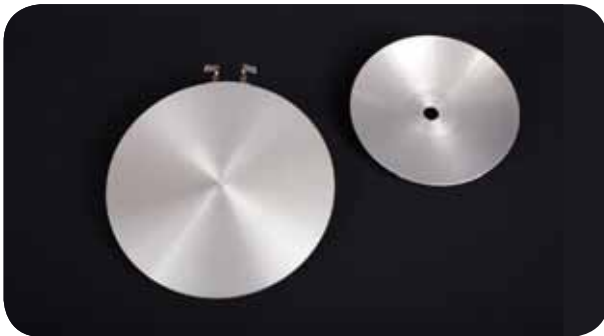
B IH working coil cutting section



B Heating Plate for Rice Cooker



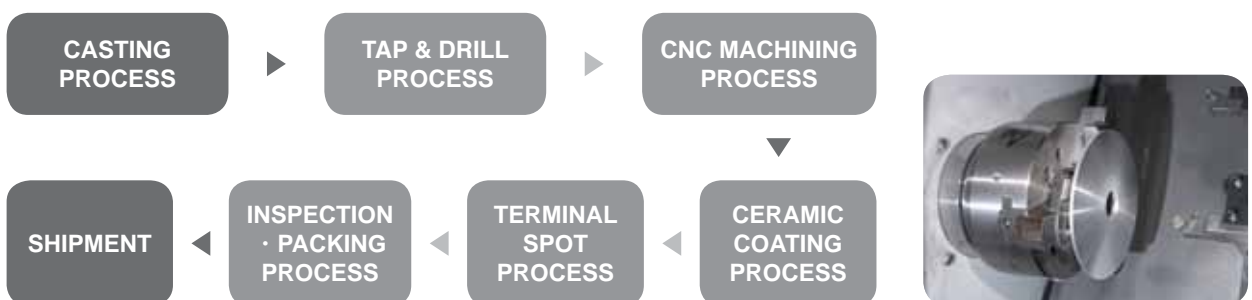
B Heating Plate for Hot Plate & Medical's



B Manufacturing Process

- Centrifugal casting mold in a manner suitable for small scale production, batch build systems.
- Aluminum heat sink to prevent deformation of the annealed and hardened through the process that produced.
- Ceramic coating facilities throughout the far-infrared radiation and thermal radiation with high density ceramic coatings with excellent produce high quality products that one.

B Manufacturing Process





ISO 9001 Certificate of Registration



Obtained approval for "Management-Innovative MAIN-BIZ"



Promising Export Firm Certificate



Utility Model Registration



Certificate of R&D Department



COMPANY PROFILE

- Company Name : BUMIL INDUSTRIAL Co., Ltd.
- Name of CEO : Shin Pyung Gyun
- Establishment : Oct. 5. 1980.
- Address : 8B3L, Namdong Ind Area, 619-6, Namchon-Dong, Namdong-Gu, Incheon, Korea
- Dimension of factory : Around 2,500 Square Meters
- Number of Employee : 40 Peoples
- Production Capacity : IH WORK COIL 1,200,000pcs/Year
HEATING PLATE 1,200,000pcs/Year

COMPANY HISTORY

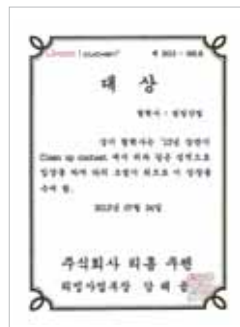
- 1980. 10. 05 Established BUMIL CORPORATION
- 1984 ~ 1992 Started the production of Heat Plate for electric rice cooker
- 1997. 05. Started the business with MITSUBISHI for Heat Plate
- 1998. 10. Started the business with SHARP & TIGER for Heat Plate
 - 12. 10 Started the business with SANYO for Heat Plate
- 1999. 11. 13 Acquired ISO-9002
 - 12. 01 1Million Export Award by Ministry of Commerce&Industry
- 2001. 08. 31 Submitted the patent of Cast production system
- 2005. 06~12 Started Heating Plate business with CUCKOO & BUBANG TECHRON
- 2010. 01. 04 Good Quality Award by LIHOME
 - 08. 01 Established BASE WORKING COIL ASS'Y as a new biz
- 2011. 03. 01 Provide IH COIL ASS'Y to the LIHOME & CUCHEN
- 2012. 04. 10 Established R&D Center
- 2013. 07. Provide IH COIL ASS'Y to the TIGER CORPORATION
 - 07. Received the Gran prize of LIHOM & CUCHEN Clean Up Contest



1million dollar Exports Award



Received the Gran prize of LIHOM & CUCHEN Clean Up Contest



Received the Gran prize of LIHOM & CUCHEN Clean Up Contest

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