

Introduction









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Corporation Name	JY Custom Co. LTD.
Founded	1993(Incorporated 2011)
Total Assets	50M\$ USD
Annual Sales ('2018)	Automotive 24M\$ USD Media System(Speaker) 39M\$ USD
CEO	Man-Geum Park
Employees	Automotive : 104 persons Media System : 55 persons Vietnam Factory : 750 persons
Primary Business Area	Automotive Accessories/Speaker, Audio
Address	Headquarter : 642-12 Sansu-ro Gwangju-si Gyounggi-Do Hanam Office : #206 2F Haus0 Tower, 35, Jojong-daero Hanam-si Gyounggi-Do Vietnam : Don Van 1 Industrial Park, Duy Tien District, Hanam Province
Phone	TEL: 1566-3833 FAX: 031-798-1501
Home Page	http://www.jycustom.com

History



1993 Jeayoung Precision founded- mold design, injection

1998 manufacturing and distribution finishing materials for Automotive

2007 manufacturing and distribution finishing materials Car Navigation, DMB Antenna

2010 Design Team founded -KOITA ISO14001 / ISO 9001 Certification -Certified by Global Industry Certification Management Innovation Smaller Business, INNO-BIZ Certification Certified as Venture company -by KIBO



2011 INC. JY CUSTOM corporate conversion INC. JY CUSTOM formed Starting export to USA/JAPAN

2013 ManYangSu, local subsidiary formed in China

2014 Opening Second plant

- Certified as Management Innovation Smaller Business , MAIN-BIZ Certification
- by Small and Medium Business Administration



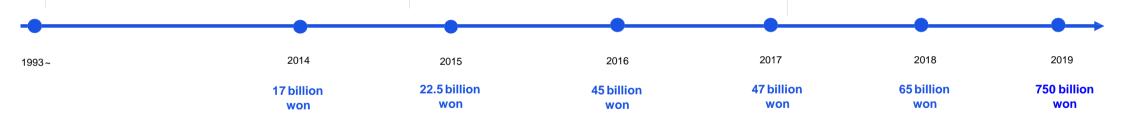


2015 HQ expanded Automotive Navigation production and distribution Participated Global sources Las Vegas SEMA

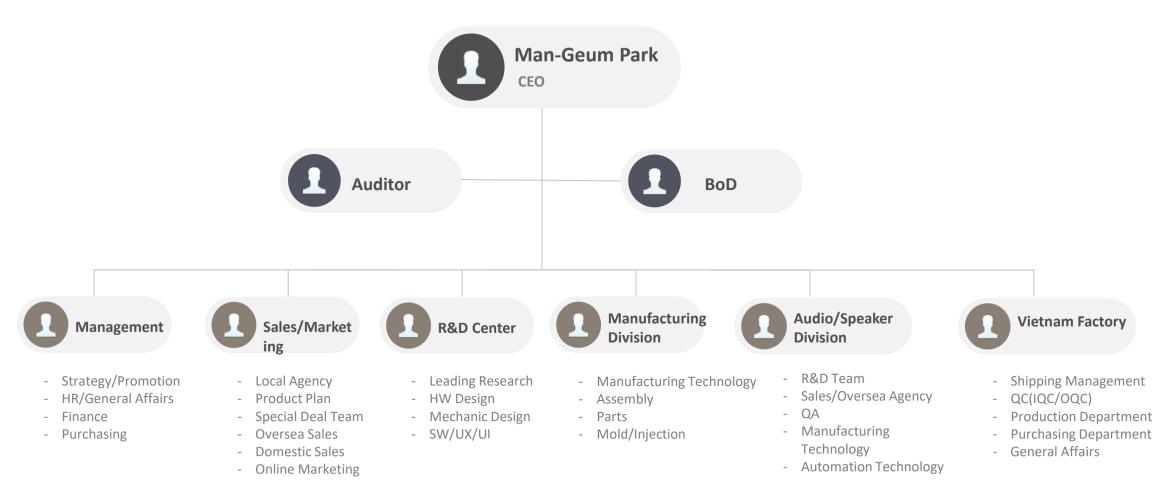
2016 Automotive Audio production and distribution Automotive Black Box production and distribution

2017 Participated CES

2018 Participated CES Taking over Jinyoung G&T's speaker business unit - Tier 1 television supplier of Samsung Elec.



Organization



Certification/Patent



Certification

ISO9001 MAIN-BIZ (Ministry of SMEs and Starups) INNO-BIZ (Ministry of SMEs and Starups)









Patents

Interface solution for two different Monitors. N

avigation system with LCD monitor bracket.

Structural solution for external memory device reader on Navigation system.

Mirroring and controlling solution between touch enabled monitor and communication device.

Commutation solution between navigation monitor and communication device.







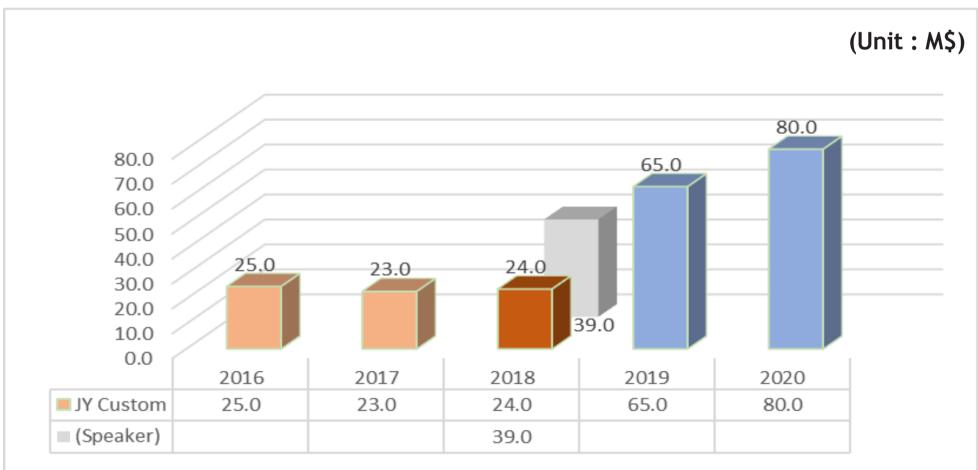
Certification/Patent



		Date	R/No	Patent Name	Nation
	1	2003-03-17	10-0419914	Micro speaker Module and possess Micro Speaker (Patent)	KOREA
	2	2002-08-30	10-0419915	Have Dual-Suspension Dynamic Micro Speaker (Patent)	KOREA, USA, JAPAN CHINA, INDIA, EUR OPE
	3	2005-02-21	0401728	Micro Speaker Suspension (Design)	KOREA
	4	2005-02-21	0401729	Micro Speaker Suspension (Design)	KOREA
	5	2004-06-07	10-0640225	Micro speaker Module and use this Micro speaker (Patent)	KOREA
	6	2004-02-20	10-0676422	Multi drive and Multi-way Slim flat speaker (Patent)	KOREA
	7	2004-02-20	10-0676421	One-Channel Two-way Speaker (Patent)	KOREA
	8	2006-09-27	20-0432596	Speaker (practical)	KOREA



Business Revenue



* From 2019 turnover include speaker division.

JY





Business Area

SMART CAR



SMART HOME

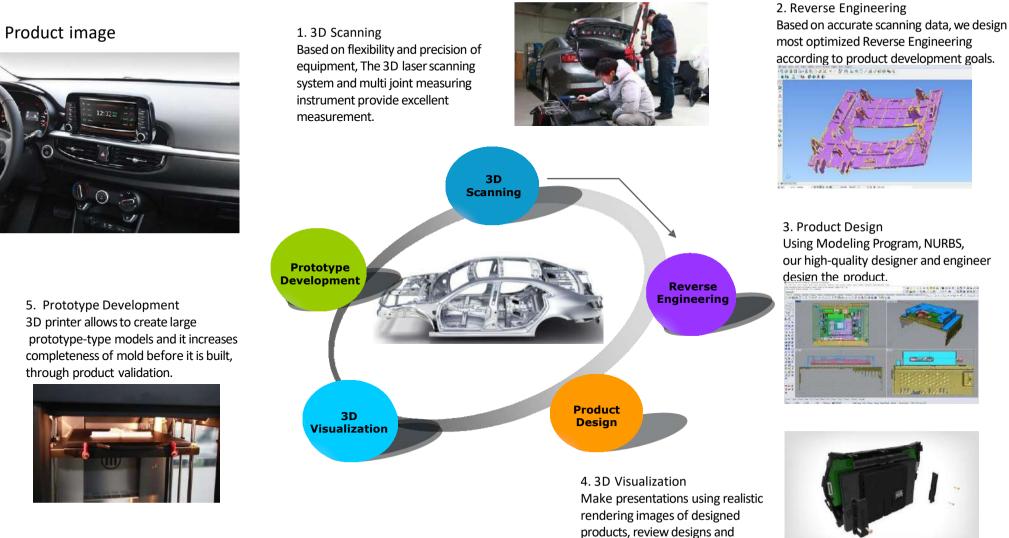


AUDIO/SPEAKER



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Customer Design Process



solve technical issues.

5. Prototype Development 3D printer allows to create large prototype-type models and it increases completeness of mold before it is built, through product validation.



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Core Competency

Real Time Super precision MAP



SK Telecom & T-MAP API Interface

Global Customization



Support Global MAP

Smart Sound recognition



Destination , Playback, vehicle information

Smart visual recognition



People, Things, Lane recognition

Smart Phone Interface



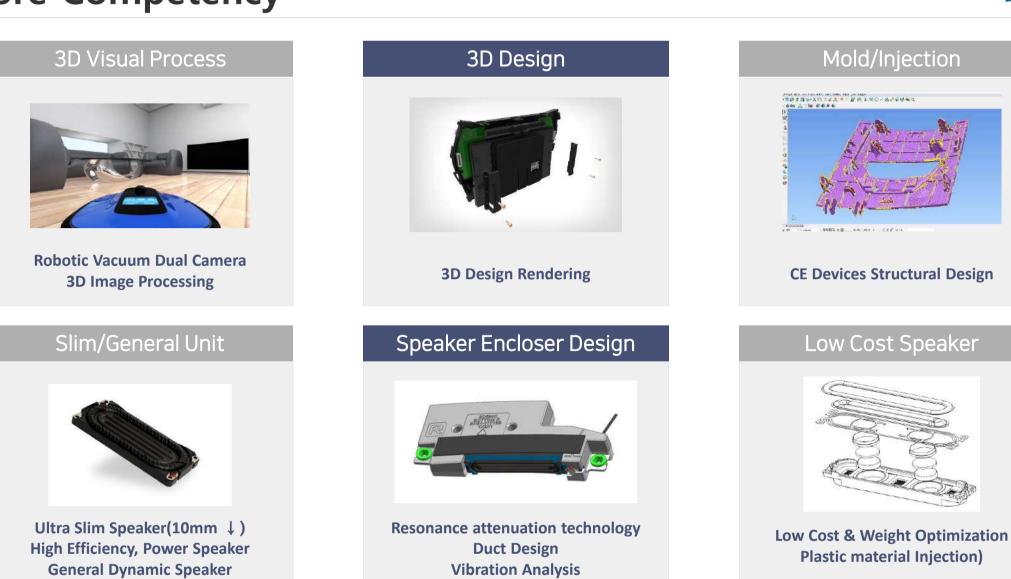
Mirroring OS independency Android UIBC support

Vehicle Information



Vehicle ECU , CAN , Audio,Air Control Informaton

Core Competency



Product Overview



Product Overview

♦ Accessory

HD BOX HD DMB / Miracast Box

- Provide service to enable viewing of HD DMB before not received from existing navigation device.
- Strengthen product competitiveness by supporting Miracast.
- AV-OUT & HDMI Two outputs provide various display instrument compatibility.
- Provide convenience by supporting customizing set up Key or remote control function.



%Fit to existing navigation & display devices supporting HD-DMB and Miracast features.

BLACK BOX TouchGO

- FHD & HD Maximum 24fps / Format Free Technology / 3.5" Wide LCD
- high precision 3-axis accelerometer/Wide recording angle
 / External GPS /Low-power consumption hardware design
 / Low Voltage cut off / quick reboot
 / Large Size Security LED / dedicated viewer for PC





TRIP INTERFACE

- Trip Computer is Vehicle Information System that allows the driver to conveniently operate various information on the vehicle, including audio, as well as various information related to the vehicle.
- SO Drive is a Smart Car Care System that receives data such as fuel economy, mileage, RPM and battery Information through OBD terminal to help identify car condition and maintain it.



ANTENNA

Audio & TDMB Antenna



Product Overview

♦ Accessory

Neo Auto TailGate System

Open and close the trunk lid with smart Keys and other factory installed buttons.
Safety features available to protect users.
Easy installation.
Maximize the product.



Dress upTuning

JY Custom offers products including; Front Grill Shark Antenna covers Lip Spoilers



Product Overview(Speaker Unit)





1(KHz)/1(Vrms) 1.0(W)/0.5(M)

Fo(Hz)/1(Vrms)

FOR SLIM STYLISH DTV

OFICE OLALL

GENERAL UNIT

OFIATUME OIALL





JSS-403001

A-100-0169-A01

Model	Size(m/m)	Use	Imp(Ω)	SPL(dB)	Nom.P(W)	Fo(Hz)
JSS-403001	Ø40x30	F/Range	8	79	10	170
A-100-0147-A01	Ø70x14.5	Woofer	12	80	10	115
A-100-0169-A01	Ø80x17.5	Woofer	3	79	20	110
Conditions			1(KHz)/1(Vrms)	1.0(W)/0.5(M)		Fo(Hz)/1(Vrms)

A-100-0169-A01







JSS-7750001

JSS-12086001

Model	Size(m/m)	Use	Imp(Ω)	SPL(dB)	Nom.P(W)	Fo(Hz)
JSS-7750001	Ø77x50	Woofer	8	83	30	140
JSS-8069001	Ø80x69	Woofer	8	79	20	110
JSS-12086001	Ø120x86	Woofer	4	82	25	90
Conditions			1(KHz)/1(Vrms)	1.0(W)/0.5(M)		Fo(Hz)/1(Vrms)

JSS-8080001

Conditions

Product Overview(Speaker Unit)







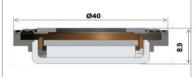
Model	Size(m/m)	Use	Imp(Ω)	SPL(dB)	Nom.P(W)	Fo(Hz)
A-100-0066-B01	30x16x14	Tweeter	6	90	15	2600
A-100-0005-C01	25x25x5.5	Tweeter	6	90	10	3000
A-100-0137-A01	Ø40x10.8	Tweeter	6	96	10	1300
Conditions			1(KHz)/1(Vrms)	1.0(W)/0.5(M)		Fo(Hz)/1(Vrms)

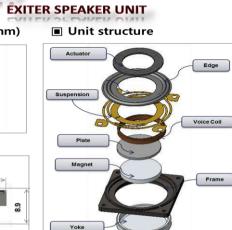


Shape (Size : 40x40x8.9mm)



Section View





Product Line(Speaker System) DTV



18

GENERAL SPEAKER

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JYSA14	For SLIM STYLIS	H DTV MULTI PRI A14-1003A	V JYSA14-1007A					
Model	JSS-03 Size(m/m) Use	1 Ιmp(Ω) SPL(dB)		JSS-038		JSS-	039	
JYSA14-1002A	279.5 x 137.3 x 2 Mov	c 70	10 (0 0)/rmc) WF	: 180				
JYSA14-1003A	Model	Size(m/m)	Use	Imp(Ω)	SPL(dB)	Nom.P(W)	Fo(Hz)	
JYSA14-1007A	JSS-031	170 x 40 x 30.8T	Full Range	6	82	10	250	
Conditions	JSS-038	220 x 68.4 x 35T	Full Range	6	82	10	150	
	JSS-039	151 x 66 x 36.6T	Full Range	6	84	10	240	
© Copy	Conditions			1(KHz)/1(Vrms)	1.0(W)/0.5(M)		Fo(Hz)/1(Vrms)	2018

Speaker Business Division

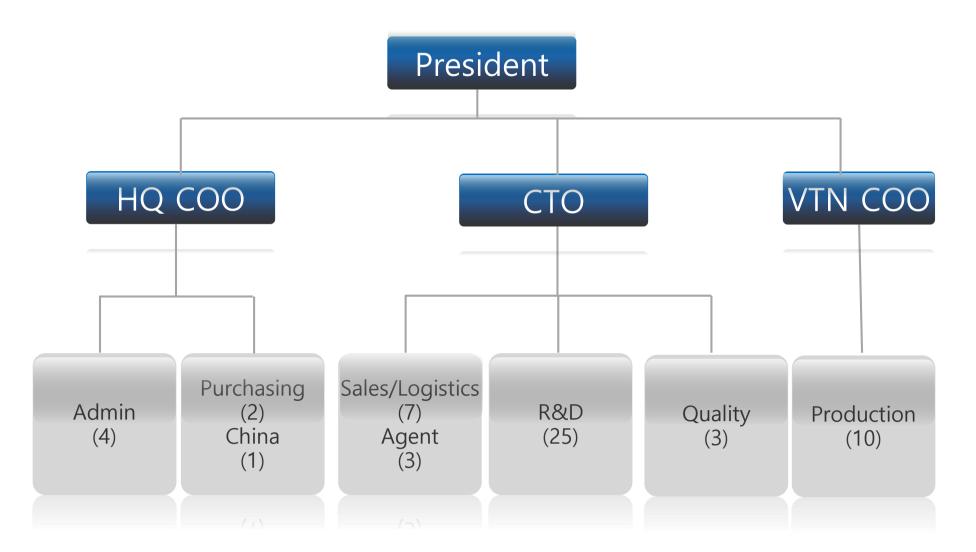
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Organization of Speaker Biz Division

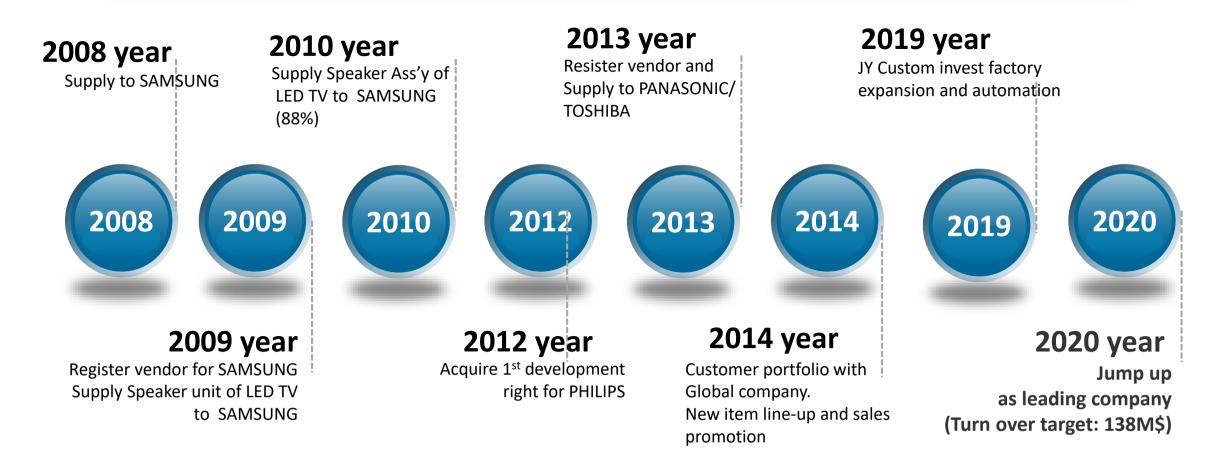




Business History of Speaker Biz Division



To be Global leading sound company in CY2020 through Slim Speaker technology and Products Portfolio



HQ & Oversea Location





Company Name	Location	Item	Scale	Scale Max ca	
	Location		Persons	Month	Year
Hanam Office	Hanam-Si	Speaker Division	50		
Oversea Factory	Hanoi, Vietnam	Speaker Ass'y	700	1.5M	18M

Core Competency

Slim/General Unit



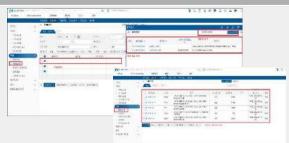
Ultra Slim Speaker(10mm \downarrow) **High Efficiency, Power Speaker General Dynamic Speaker**

Speaker Encloser Design



Resonance attenuation technology Duct Design Vibration Analysis

Excellent Business Experience



Mass Production Supply Management(ERP) **Purchasing Power based on Quantity Quality Control**

Factory Automation



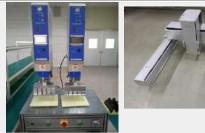
Setup Automated Unit Ass'y Line (~ July of 2019)

Low Cost Speaker



Low Cost & Weight Optimization **Plastic material Injection**)

In House Design/Manufacture





- -. Mold Design/making
- -. Automated Plastic Injection
- -. Jigs/Mockup design/manufacture
- -. Ultrasonic welding machine

Unit Development Plan



♦ Slim Speaker



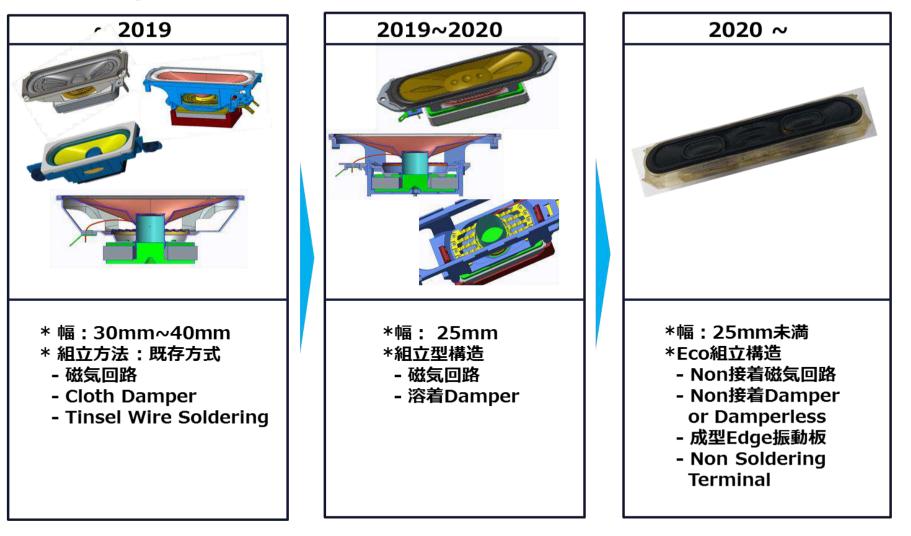
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investor Relations 2018 24

Unit Development Plan



♦ General Speaker



Production Line(Vietnam Hanoi)





Unit Ass'y Line (Auto soldering)



Unit Ass'y Line



Unit Ass'y Line



SET Ass'y Line



Unit MC Ass'y (Automatic)



Unit Ass'y Line

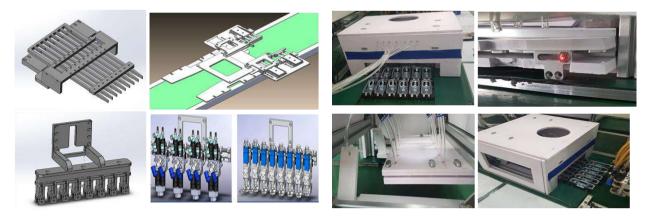
Investment in factory expansion



◆ New Investment in Vietnam Factory '2019



Automated Plastic Injection(13 machine)



New automated Unit Ass'y Line (2,200 Unit/hr → 3,200 Unit/hr)



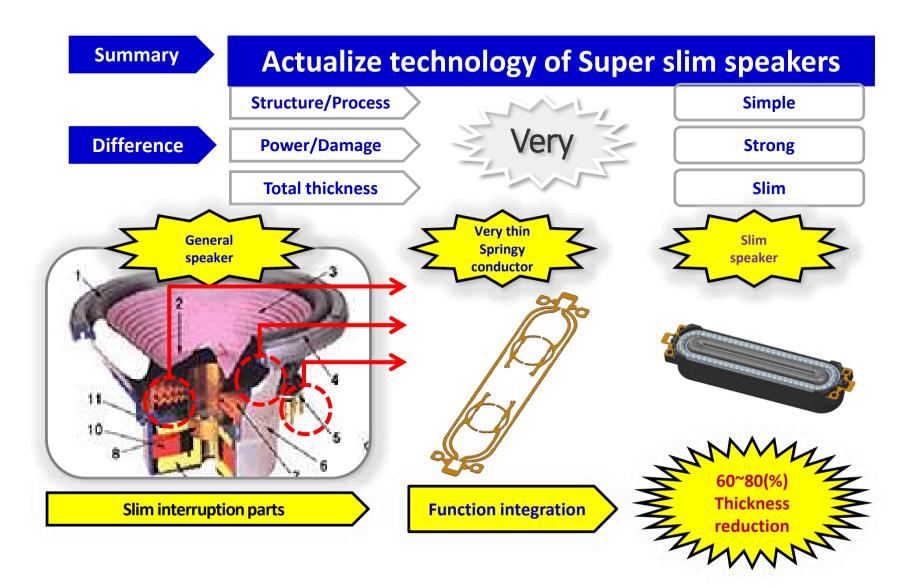
Jigs/Mockup manufacturing machine(In-House)



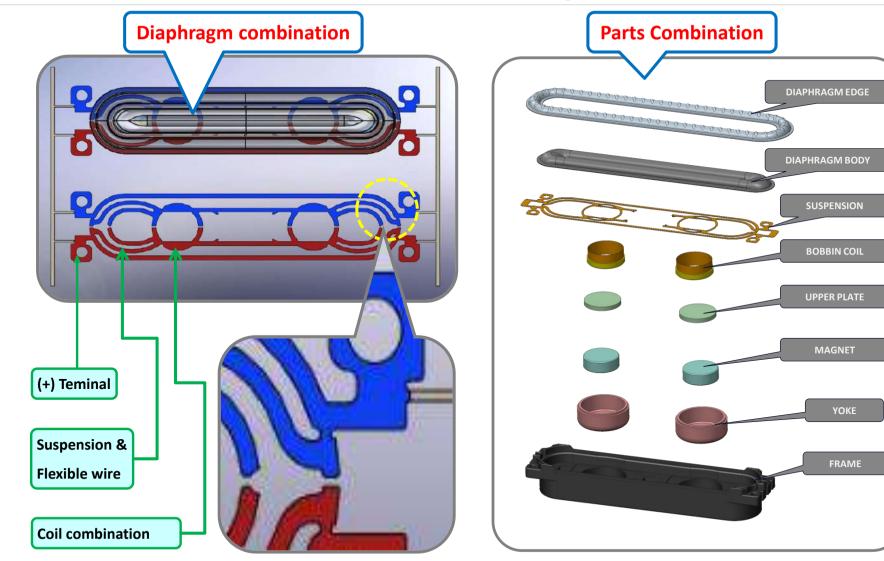
Ultrasonic welding machine(In-House)

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Attachment : Core Architecture of Speaker Unit



Attachment : Business case





High End Model : X93E
Q'ty of Sales : 300K Set / Year

X940E / X930E | LED | 4K Ultra HD | High Dynamic Range (HDR) | Smart TV (Android TV^m)





Front-facing 3-way speaker for clearer sound

Feel more of the moment with dynamic, immersive sound. This front-facing speaker projects voices and dialogue with more clarity than conventional downward-firing speakers. High-End Model : DX850F Model and Etc.
Q'ty of Sales : 500k Set / Year



• High-End Model : Z20X Model and Etc. • Q'ty of Sales : 200k Set / Year

低音から高音までクリアな音声が楽しめる。 大容量バスレフ型ボックススピーカー







THANK YOU

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