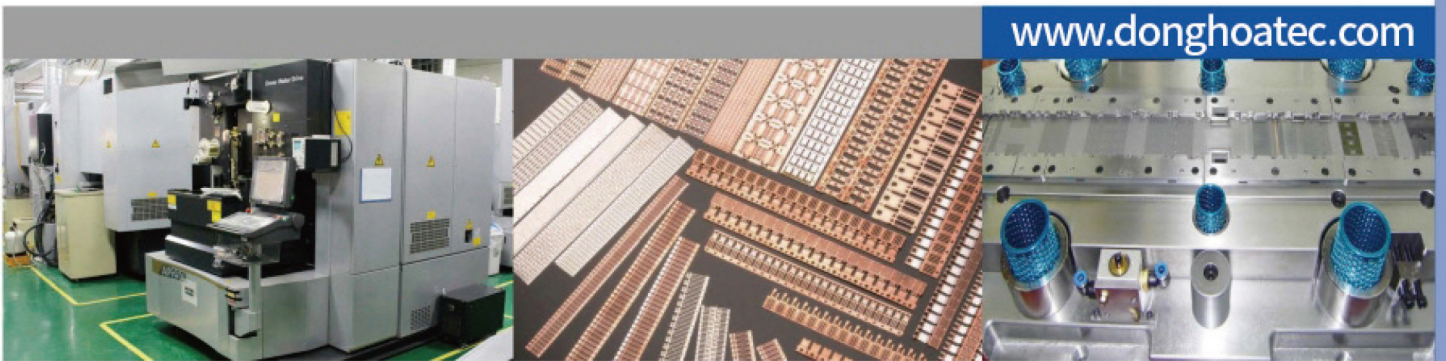


Build Together, Change Tomorrow.

DONGHO A-TEC

www.donghoatec.com



 **DONGHO A-TEC CO., LTD.**

Dong Ho A-Tec

takes pride in understanding our customers' businesses, providing ultra-precision molds such as semiconductor mold and injection mold, and manufacturing products of stamping and injection which give our customers a strategic advantage.

From product and mold design to provide the competitiveness, Dong Ho A-Tec develops ultra-precision molds which provide the most effective and efficient production solutions in the industry.

Through technical innovation as well as high performance facilities along with equipment based on nearly 30- year business career, Dong Ho A-Tec differentiates itself by delivering value to the global business partners.

With the vision of a global hidden champion offering leading edge ultra-precision technology, resources and experience, we strive to drive developments, tackling challenges and deepening relationship with our business partners around the world.



Choi, Wong Hak, CEO

Certificates



Company Summary



- **Company Name** Dong Ho A-Tec Co.,Ltd
- **Established** 25th April 1994
- **Address** 82,Hwajeonsandan 3-ro(Hwajeon-dong),Gangseo-gu, Busan, Korea
- **Certificates** ISO 9001:2015 Certification, IATF 16949 Certification
- **Major Mold Products** IC, LED & Power TR Lead Frame Die Set
Down Set Die Set / LOC, BGA Tapping Die Set
- **Mold Product Type** IC:SOIC / TSOP / TSSOP / PLCC / QFP / LQFP
TR:To-220 / TO-247 / TO-252 / TO-3P / FULL-PAK
- **Products:** Leadframe Press Production, Manufacturing Injection Products
(Electronics, defence products, Etc)
- **Overseas Factory** Malaysia



HISTORY

- 2019 11 Received Industrial Peace Prize (Busan Mayor's Award)
- 2018 01 Was chosen for a "Root Company" which provides essential root technologies like the root of a tree
- 12 Obtained system certification of IATF 16949
- 12 Obtained system certification of ISO 9001 2015
- 2014 02 Be re-recognized as a R & D institute
- 2010 05 Obtained system certification of ISO 9001 2008
- 06 Be designated as a promising small and medium-sized export company
- 10 Moved to a new larger construction located in Hwajeondong, Gangseo-gu, Busan
- 2009 05 Won a prize at the first Busan small and medium-sized business contest
- 2008 04 Singed the MOU on industry university cooperation between Dongho A-Tec and Kyungnam College of Information & Technology
- 2006 12 Be chosen for a leading company in the machinery parts and materials industry of Busan
- 2003 10 Receive patent certification for automatic design method of semiconductor leadframe
- 2002 07 Be selected as INNO BIZ company
- 2001 01 Be designated as a leading vision 21 company
- 06 Established a Malaysian local corporation
- 11 Received the award of the export tower of 5 million dollars and the Prime Minister's Award
- 2000 02 Was selected as a company with outstanding performance in the technological competitiveness
- 06 Changed to Dongho A-Tec
- 1999 05 Received President's Award for the contribution to the development of the national industry.
- 1998 05 Obtained system certification of ISO 9002
- 09 Be recognized as a R&D institute of mold design
- 11 Received the award of the export tower of one million dollar
- 1994 04 Established Dongho Precision Co. Ltd.

Creating value through ultra-precision technology and innovation

Organization

DONG HO A-TEC



Our R & D aims at providing the very highest quality products by listening to our customers. In order to stabilize our products and realize the top level of ultra-precision, we are committed to continuous research and development as well as quality improvement .

We will continue to strive to provide fast and accurate design, competitive pricing, the shortest lead time, and top-quality products by implementing the optimized design standards as much as possible.

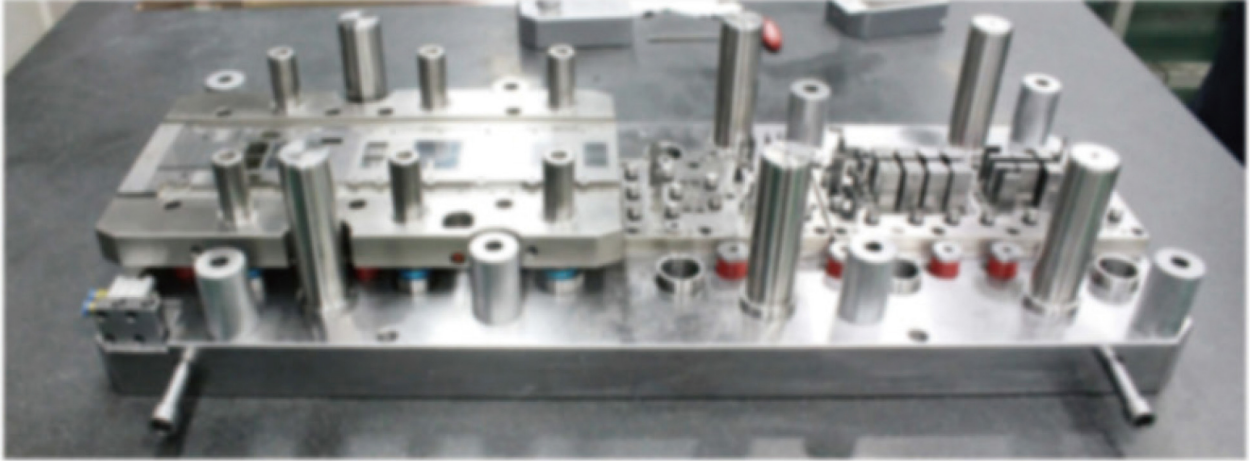
Program (Government Enforcement Agency)	Project	Development Period	Project Cost	Status
Technology Development for Innovative Companies (Ministry of Small and Medium Enterprises)	Mold Development for Thin Thickness and Wide Width of Semiconductor Leadframe	Two Years	676	Ongoing
Industry University Joint Technology Development Program (Ministry of Small and Medium Enterprises)	Mold Development s for Semiconductor Leadframe Using Ultra-precise Integral Die	One year	100	Succeeded
Innovation Development Program for : Small and Medium-Sized Business (Ministry of Small and Medium Enterprises)	Development of Stamping Tool for Mass Production of 144 Pins Leadframe	One year	108	Succeeded
Innovation Development Program for Small and Medium-Sized Business (Ministry of Trade, Industry and Energy)	Development of Stamping Tool for Semiconductor Leadframe with 130mm Wide Width	One year	124	Succeeded
Industrial Technology Development Program (Ministry of Trade, Industry and Energy)	Development of Stamping Tool for Next-Generation BGA Semiconductor	One year	297	Succeeded
Innovation Development Program for : Small and Medium-Sized Business (Ministry of Small and Medium Enterprises)	System Development for Design Automation of Semiconductor Leadframe	One year	472	Succeeded



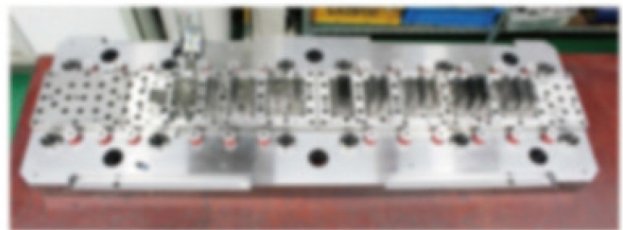
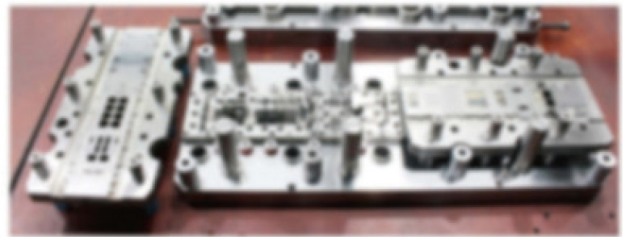
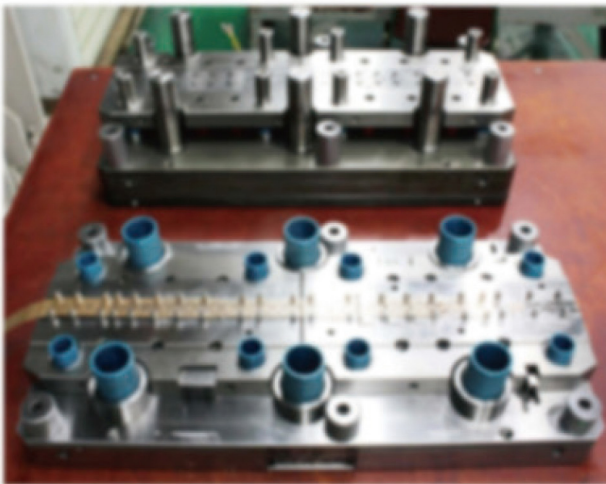
9 Countries 32 Customers

■ Semiconductor Mold & Leadframe

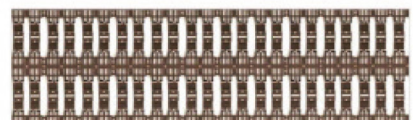
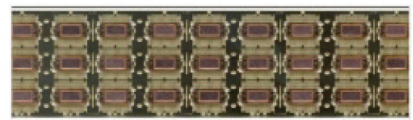
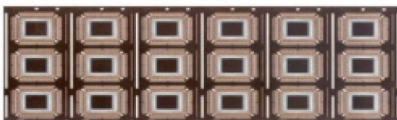
- Semiconductor Mold, L/F Die



IC, LED & Power TR Lead Frame Die Set
Down set Die Set / LOC, μ BGA Tapping Die Set

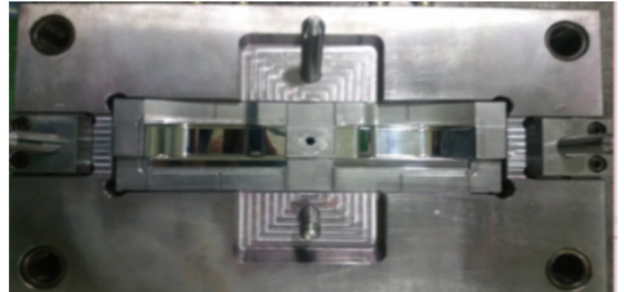
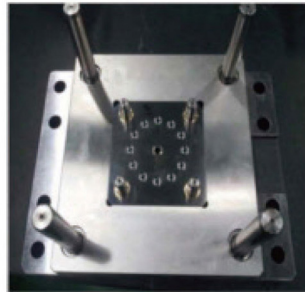
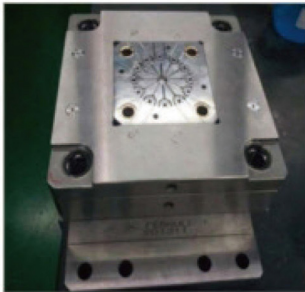
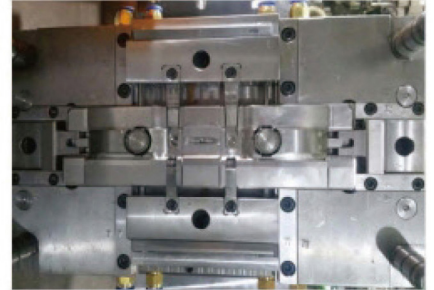
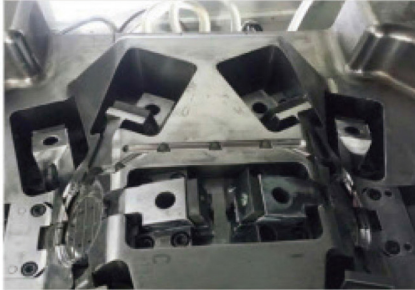


- Leadframe

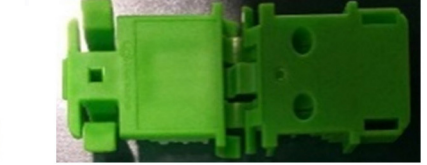
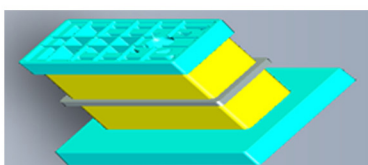
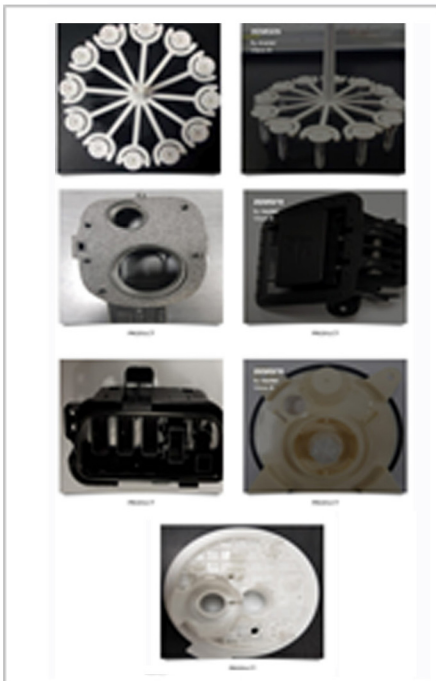


Injection Mold & Product

- Injection Molds

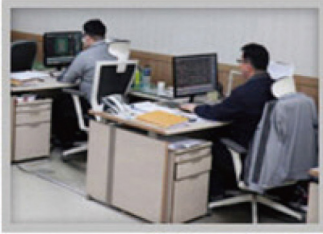


- Injection Products



Leadframe Manufacturing Process(Semiconductor/LED)

▶ Mold Making



Designing



Milling/Machining



Tungsten Cemented Carbide Grinding



Steel Grinding



Jig Grinding



EDM:Wire EDM



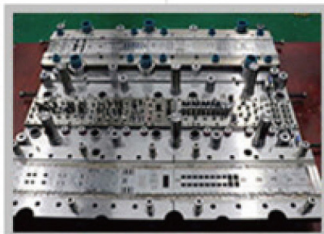
Profile Grinding



Large Scale Grinding



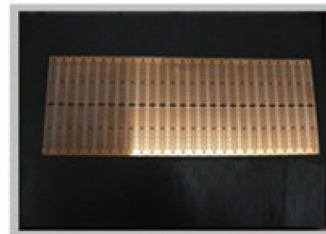
Parts Inspection



Assembly

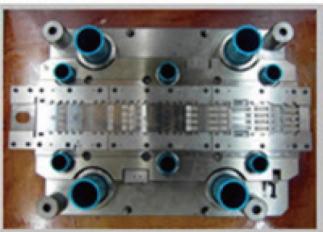


TO(Try Out)



Product Inspection

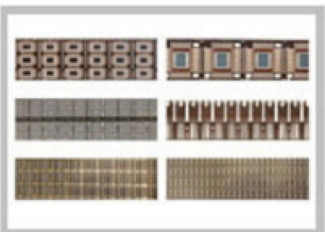
▶ Press Production



Mold Making (Mold Taking Over)



Pressing



Pressed Product



Inspection/Delivery

Injection Mold Manufacturing Process



Mold Making (Mold Taking Over)



Injection Work



Injection product



Inspection/Delivery



Production Equipment

Press



Injection

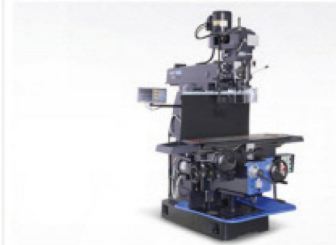


Equipment

Designing



DONGHO A-TEC CO., LTD.
Milling



DONGHO A-TEC CO., LTD.
Machining



DONGHO A-TEC CO., LTD.
Tungsten Cemented Carbide Grinding



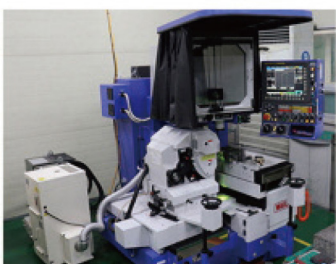
DONGHO A-TEC CO., LTD.
Steel Grinding



DONGHO A-TEC CO., LTD.
Large Scale Grinding



DONGHO A-TEC CO., LTD.
Profile Grinding



DONGHO A-TEC CO., LTD.
Wire EDM



DONGHO A-TEC CO., LTD.
Jig Grinding

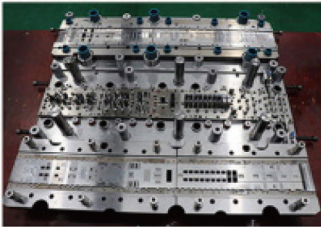


Assembly

DONGHO A-TEC CO., LTD.
Parts Inspection



DONGHO A-TEC CO., LTD.
Assembly



DONGHO A-TEC CO., LTD.
T/O



Equipment List			
MACHINE CENTER	5	SURFACE GRINDER	3
CNC /JIG GRINDING	4	BLOHM PLANOMAT 612	1
CNC WIRE CUT E.D.M (Oil type 6)	14	CNC E.D.M / E.D.M	4
STAMPING PRESS	8	INJECTION MOLDING MACHINE	8
CHART MAKING CAD SYSTEM	1	NEXIV, Mitutoyo (3차원 측정기)	2
CNC OPTICAL PROFILE GRINDER	5	HARDNESS TESTER	2
FORMING SURFACE GRINDER	20	OPTICAL PROJECTOR	5
SUPER E.D.M DRILL	3	TOOL MICROSCOPE	2
MILLING	4	CAD SYSTEM	9
SUPER E.D.M DRILL	3	TOOL MICROSCOPE	2
MILLING	4	CAD SYSTEM	9



 **DONGHO A-TEC CO., LTD.**

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