



ESON

ESON Precision Engineering Co.,Ltd



Eson Group Brief Status



- Chairman : Chia Hsiang, Tsai
- G.M : Chia Hsiang, Tsai
- Capital : USD 55 Million
- Employee Amount : 6,000
- Main Product Range :
 - Design & Manufacture of mechanical parts for consuming products.
 - Design & Manufacture precision tooling.
 - Stamping/Plastic injection molding / Surface Treatment.
 - Automotive parts Stamping / Injection molding with sub-assembly

Milestone

Growth :

- . Set Up factory in Mexico
- . Set Up New factory in Malaysia
- . listed in TW stock market
- . New Business for automotive parts

Developing :

- . Started Business for injection parts
- . Phase in Gamer ME parts (PS3)
- . Server order from G customer.

Standing :

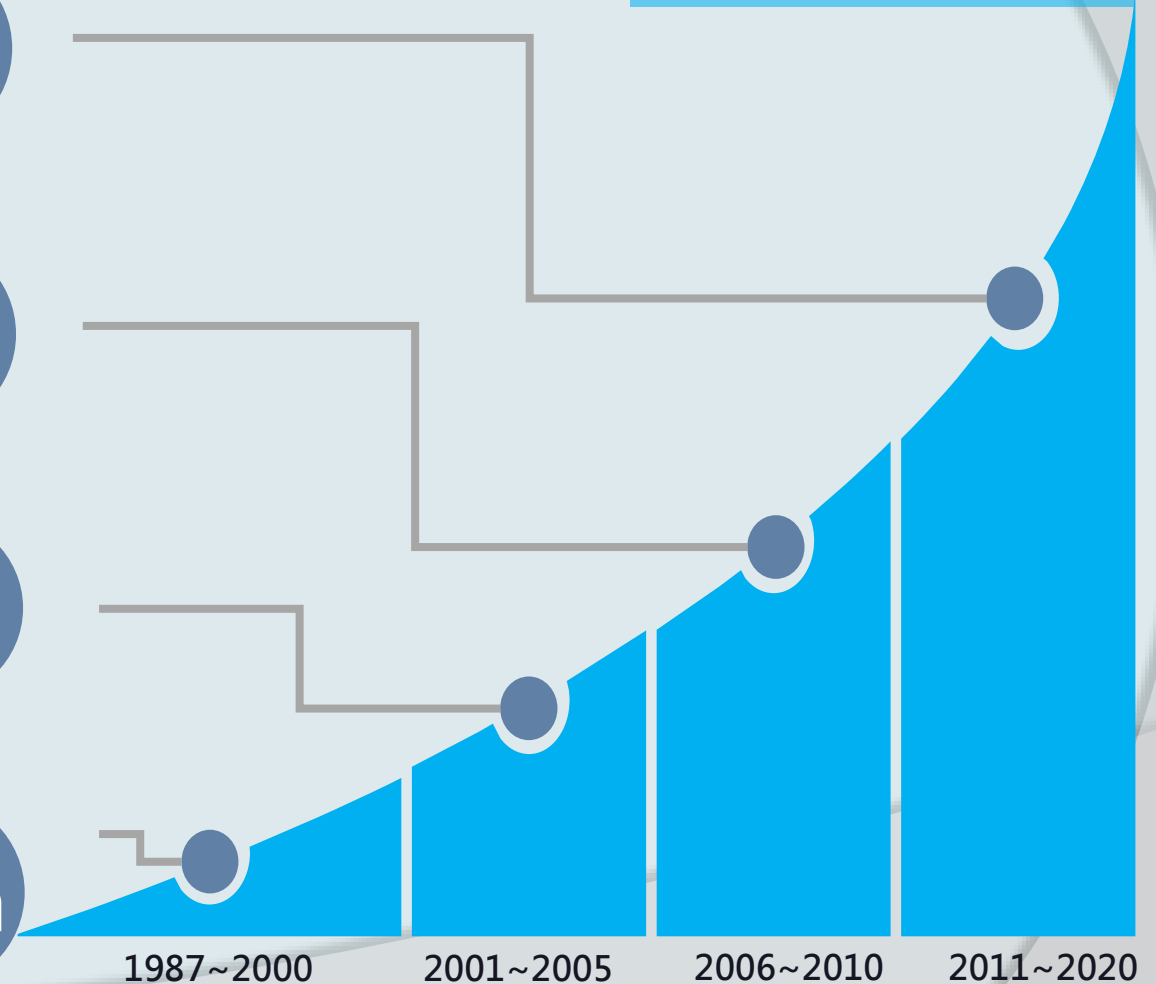
- . Set up Kunshan factory
- . New Business for automotive tooling

Founding :

- . Founded tooling Plant in Taipei
- . New Business with Japanese Brand



Milestone



ESON Group

ESON Group Family Geography

● ESON Mexico

● ESON Yantai

ESON Wuxi

● ESON Kunshan

ESON Dongguan

● ESON Taiwan

Kunshan
ESON
(ESK)

Wuxi
ShinGuan
(ESW)

Donguan
Suntool
(ESD)

Yantai
Zhenyi
JiRay
(ESC)

Mexico
ESON
(EST)

Malaysia
ESON
(EMY/EMJ)

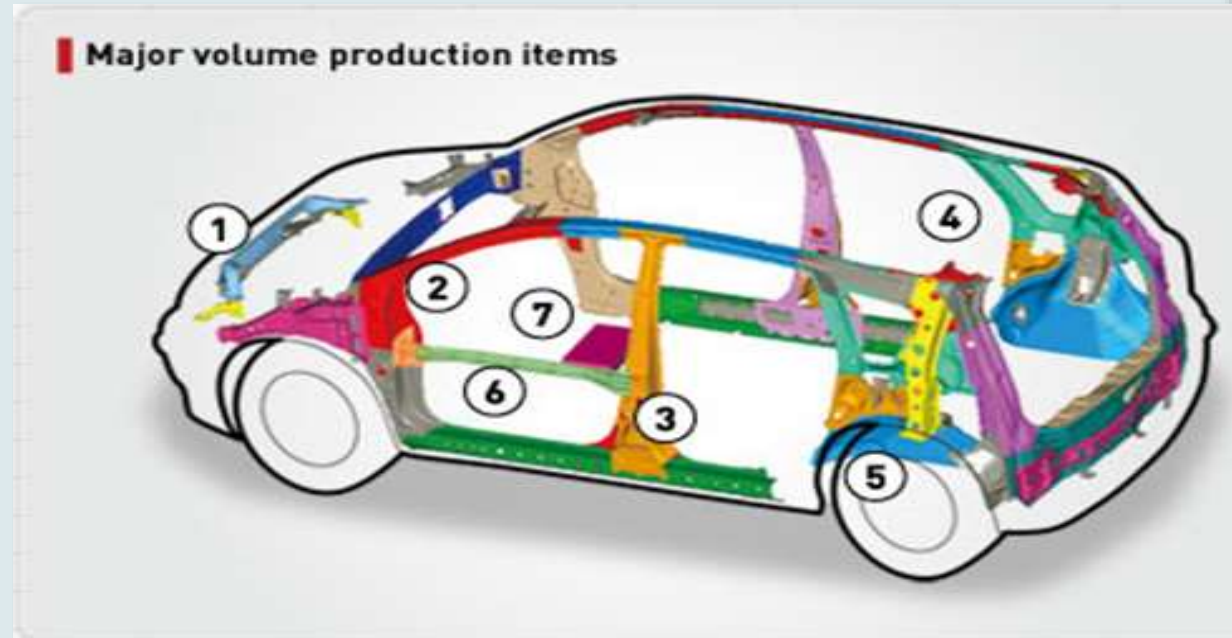
放眼全世界



ESON Kunshan- Product of Tooling

- With experience and capability on below automotive parts tooling design

Automotive components	Product
Structural Components	Chassis, Support of Radiator, Pillar, Door Beam, Tank, Muffler, Wheel Housing...,etc
Interior Parts	Dashboard, Light, Handle...,etc
Body Parts	Hood



ESON Kunshan- Products of Consumer



ESON Mexico Tijuana Plant



- ◎ Date of Establishment : OCT 2009
- ◎ Main Products : Plastics injection & Metal stamping
- ◎ Land Area : 1,303,352 sq ft
- ◎ Building Area : 489,413 sq ft
- ◎ Employees : 2500

MX TJ- Plant Layout



B1 : Metal Stamping (630T above)
B2 : Office & W/H
B3 : W/H
B4 : Inject Molding

B5 : Metal Stamping (under 600T)
B6 : W/H
B7 : Powder & Liquid Painting + Assembly
B8 : W/H

MX TJ- Stamping Machine

	Machine Tonnage	Qty
Progressive(Feeder)	110	1
	150	3
	160	2
	300	3
	400	2
	600	1
	800	1
Manual	110	1
	150	8
	300	10
Tandem Line R10 (Hydronic)	2000	1
	1000	1
	800	2
	1600	1
Tandem Line R11(Mechanic)	1600	1
	800	2
	630	2
Tandem Line R12 (Mechanic)	2500	1
	1250	1
	1250	1
	1000	1
	1000	1
Transfer -1(R8)	800	1
	600	2
	400	4
Transfer -2(R8-1)	600	2
	400	5
Transfer -3(R9)	400	4
	300	2
	Total	67



MX TJ- Stamping Machine Layout



MX TJ- Injection Machine

Injection machine Tonnage	Qty
80	3
190	1
290	2
350	2
400	1
450	4
550	6
550 Double Shot	2
650	4
850	3
950	1
1300	7
1450	3
1600	3
1800	4
2500	2
3000	1
Total	49



MX TJ- Injection Machine Layout



MX TJ- 2nd Finishing

Facility	Unit
Clean Booth	4
Robot Hand	6
Powder Coating	1
Assembly Line	8



Painting process with mask



Hot Stamping



MX TJ- Powder Coating Line Layout



MX TJ- Consumer Product

Pad Printing



Silk Screen



Hot Stamping Machine Roller Type
1) 800L*150mm
2) 1500L*120W



Hot Stamping Machine Up-Down Type
300*150mm



Welding Machine VW5700 Table
Size 1320 mm (52") by 610 mm (24")
Vibration Welder



Hot Melt Machine Made In House



Robot Coating



UV Light Machine x 1 Units
(Conveyor: 100H*1000W*240 OL)



Flocking



	ITEM	DE Scription	SPECIFICATION	TYPE	UNIT
组装	CONVEYOR LINE	CONVEYOR LINE 1,4,5,8	1.4M(W) x 38METER(L)	Transportation	4
		CONVEYOR LINE 2,3,6,7	1.4M(W) x 38METER(L)	Transportation	4
涂装	COATING ROBOT OVEN	ROBOT MOTOMAN YASKAWA	10 KG PAYLOAD	Coating	7
		OVEN CONVEYOR 1.4M(W) x 38METER(L)	1200 * 280mm(Inside)	Heater Halogen	6
零件	PAD PRINTER MACHINE	PAD PRINTING MACHINE	100 * 150mm	INK TRAY	4
		PAD PRINTING MACHINE	100 * 300mm	INK CUP-80	12
	SILK SCREEN MACHINE	SILK SCREEN MACHINE	400L * 150W	AUTO SCREEN	1
		SILK SCREEN MACHINE	1600L * 200W	AUTO SCREEN	1
五金	HOT STAMPING MACHINE	HOT STAMPING ROLLER PRESS	1500L * 120W	Roller	1
		HOT STAMPING ROLLER PRESS	800L * 100W	Roller	2
		HOT STAMPING UP-DOWN PRESS	300 * 150mm	Up-Down	2
		HOT STAMPING UP-DOWN PRESS	300 * 300mm	Up-Down	3

MX TJ- Consumer Product

Brass insert Assy



Two Color Paint



Soft Touch Paint



Press Metal Part



Transparent Part

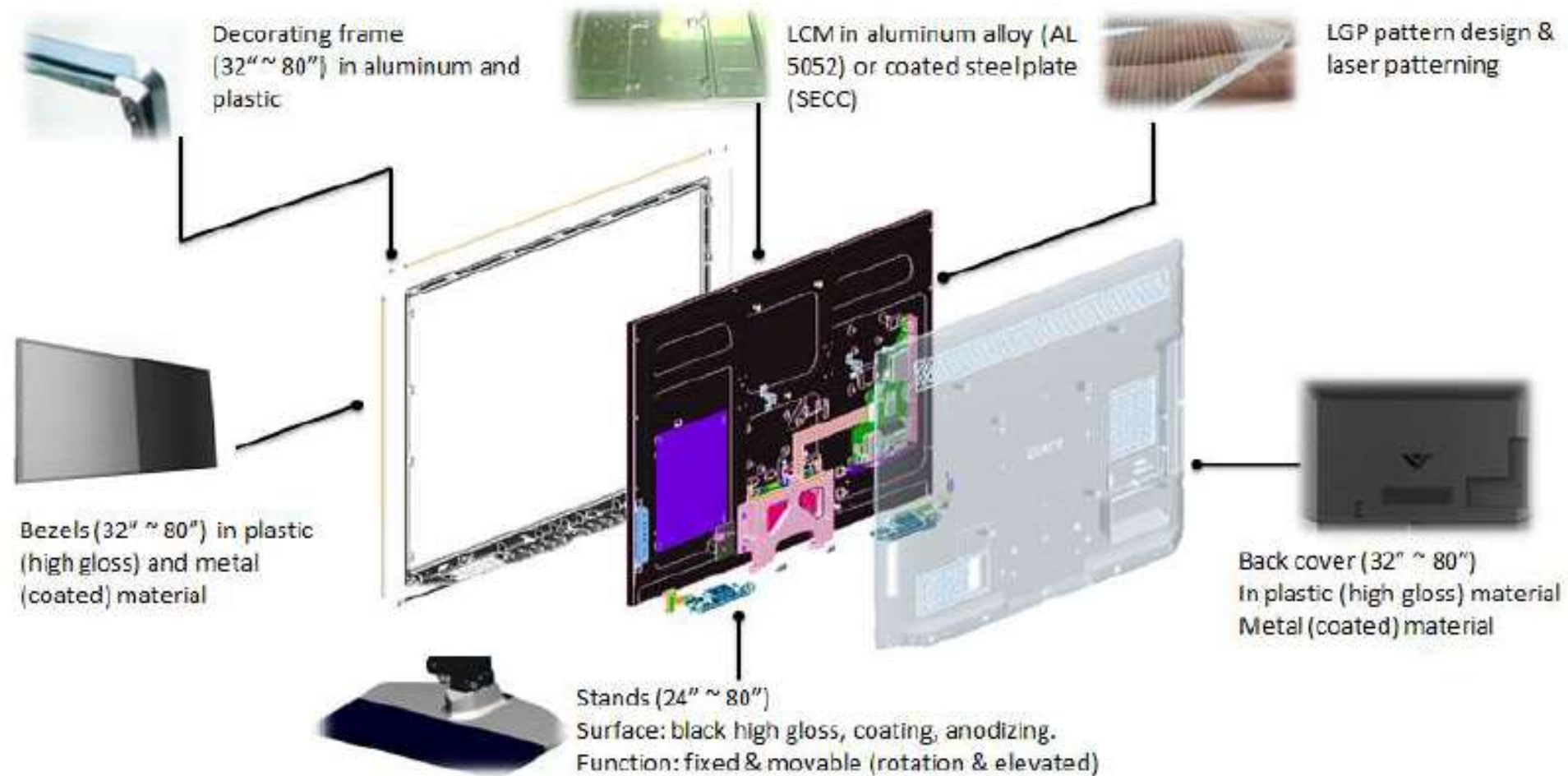


Hot Stamping Process



MX TJ- Consumer Electrical Product

Products in Eson Mexico- TV parts



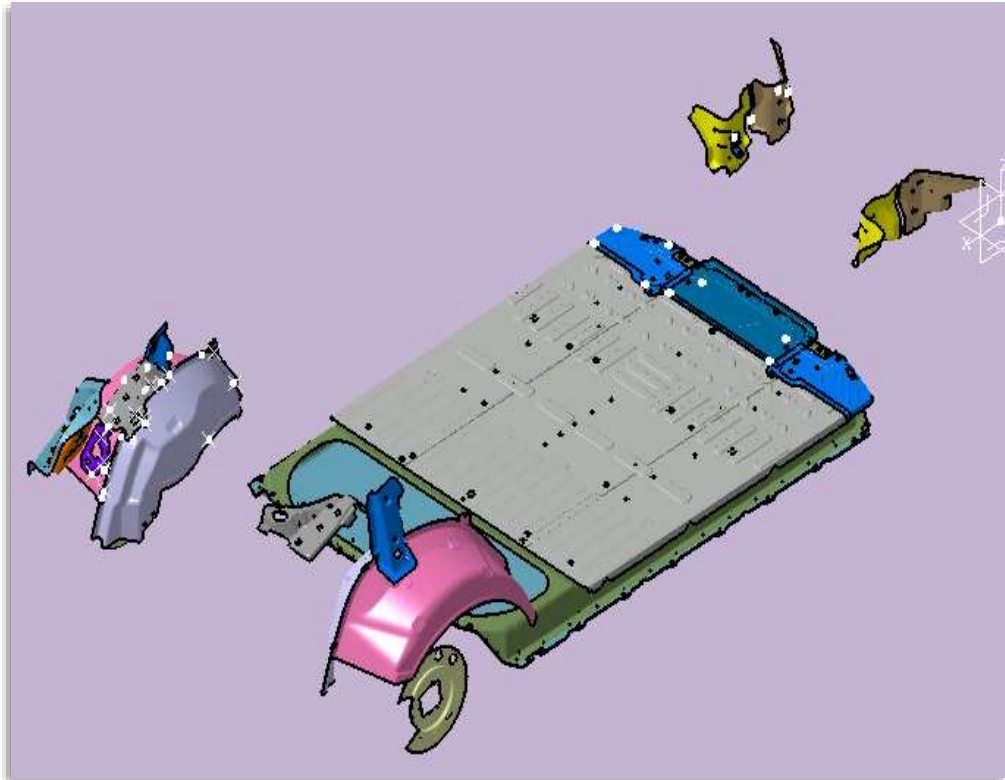
MX TJ- Spot Welding Process

Spot Welding Machine

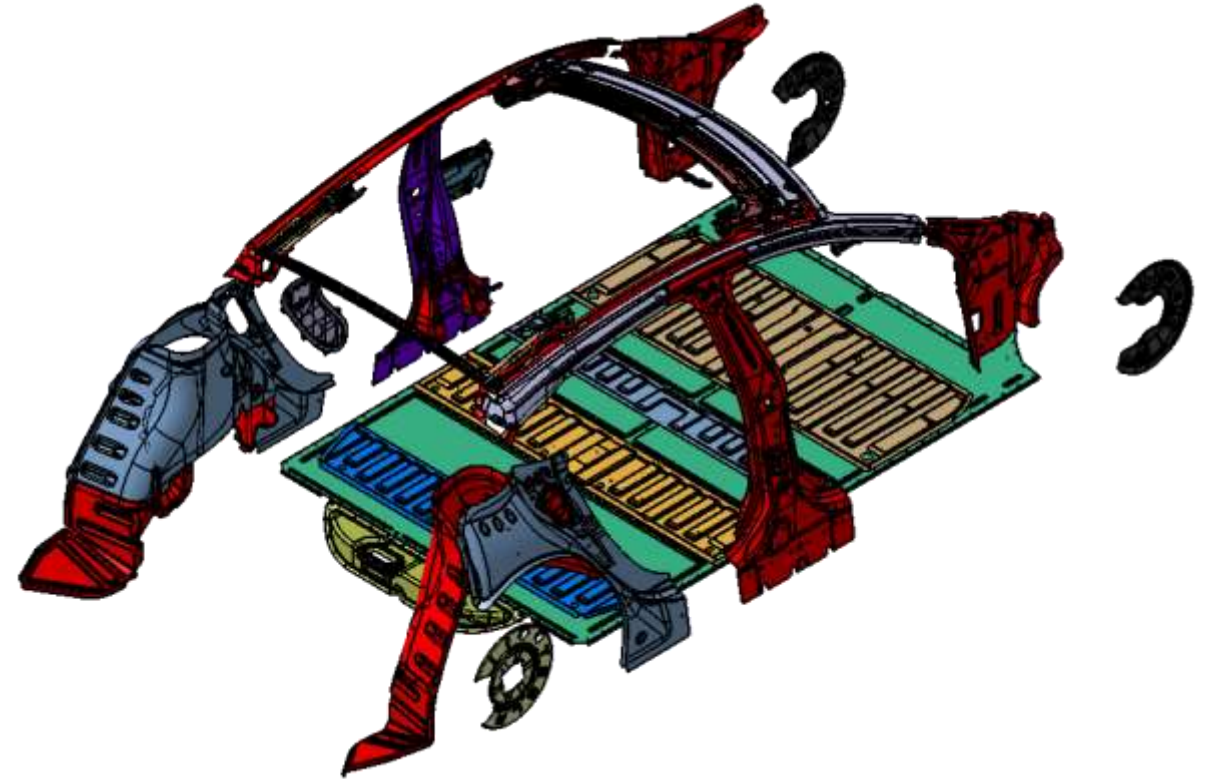


MX TJ- Automotive Product

Metal Stamping _ 25parts , Plastic Injection _ 5parts



Metal Stamping _ 32parts , Plastic Injection _ 12 parts



MX TJ- Tool Shop

Tooling maintenance team equipment

Item	Equipment	Qty
1	Milling Machine	4
2	Radial Arm Drill Press	2
3	Lathe	2
4	CNC Machining Center	3
5	Surface Grinding Machine	4
6	Wire Cutting Machine	3
7	Electrical Discharge Machine (EDM)	2
8	Drill EDM	2
9	TIG welder	1
10	Surface Grinding Machine	1
11	Turn Over Machine	1

Department	Headcount
Injection tooling team	16
Stamping tooling team	14



MX TJ- ISO Certificate

ISO 14001 : 2015



Reg. Number	7506 - E	Valid from	2018-09-14
Previous date	2008-04-03	Last change date	2018-09-14
Valid until	2021-09-13	ISO Sector	14 - 17

Environmental Management System Certificate
ISO 14001:2015

We certify that the Environmental System of the Organization:

MULTIWIN DE MEXICO S.A DE C.V.

is in compliance with the Standard UNI EN ISO 14001:2015 for the following products/services:

Production of plastic injection molding, metal stamping, painting and assembly parts for the electronic and automotive industry.

Chief Operating Officer
Giampiero Balcredi



The maintaining of the certification is subject to annual surveillance and dependent on the observance of Kiwa Certifications contractual requirements.

This certificate is composed of 1 page.

Kiwa Certifica Italia S.p.A.
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MULTIWIN DE MEXICO S.A DE C.V.
Registered Headquarters:
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Certified sites:
- Blvd. La Jolla No. 4432, Parque Industrial La Jolla, Mexico C.P. 22525 Tijuana B.C. Mexico



ISO 9001 : 2015



Reg. Number	7506 - A	Valid from	2018-09-14
Previous date	2008-03-12	Last change date	2018-09-14
Valid until	2021-09-13	ISO Sector	14 - 17

Quality Management System Certificate
ISO 9001:2015

We certify that the Quality Management System of the Organization:

MULTIWIN DE MEXICO S.A DE C.V.

is in compliance with the standard UNI EN ISO 9001:2015 for the following products/services:

Production of plastic injection molding, metal stamping, painting and assembly parts for the electronic and automotive industry.

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IATF-16949-2016



Reg. Number	7506 - T	Valid from	2018-09-14
Previous date	2018-09-14	Last change date	2018-09-14
Valid until	2021-09-13	ISO Sector	0304000

Quality Management System Certificate
IATF 16949:2016

We certify that the Quality Management System of the Organization:

Multiwin de Mexico S.A de C.V.

is in compliance with the standard IATF 16949:2016 for the following products/services:

Manufactures and painting of powertrain, chassis by injection molding, metal stamping and assembly.

Chief Operating Officer
Giampiero Balcredi



Exclusion: 8.3 related to the product design.

This certificate is issued in accordance with IATF Rules - Part 5.1.1.1. Maintenance of the certification is subject to annual audits and dependent upon the observance of Kiwa Certifications contractual requirements.

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Multiwin de Mexico S.A de C.V.
Certified Sites:
- Carban Galinas de Blvd. La Jolla No. 4432, Parque Industrial La Jolla, Tijuana B.C. Mexico C.P. 22525



ESON Precision Engineering Co.,Ltd



Thank You

Q&A

ESON Group

Global Manufacturing Site

ESON Slovakia



ESON Wuxi



ESON Kunshan
HQ



ESON Yantai



ESON Dongguan



Tỉnh Quảng Ninh
ESON Vietnam
*Manpower:70
*TV & Server



(Mass Production In Jun)

Bangi

ESON Malaysia I
*Manpower:479



Batu Pahat

ESON Malaysia II
*Manpower:309



ESON Taipei



Tijuana

ESON Mexico
*Manpower: 3000
*Automotive

