



capsonic™



**IF IT MOVES YOU,
CAPSONIC HAS A PART IN IT**

ABOUT US



Established in 1996 in Cd. Juarez, Chihuahua, Mexico and with more than 27 years of experience, Capsonic has gained global recognition as an expert supplier of insert molding, straight molding, machining, and electromechanical assembly processes serving the Aerospace, Automotive, Military and Business Machine Industries.

Capsonic currently has locations in Mexico and USA to facilitate the Import/Export of raw material and finished goods.

The manufacturing facility consists of more than 75,000 sq. ft. with 25% available for new business with and additional 70,000 sq. ft. of land eligible for manufacturing expansion.

Our distribution center strategically located in El Paso, TX. and 7 miles from the nearest border crossing consists of 36,000 sq. ft.

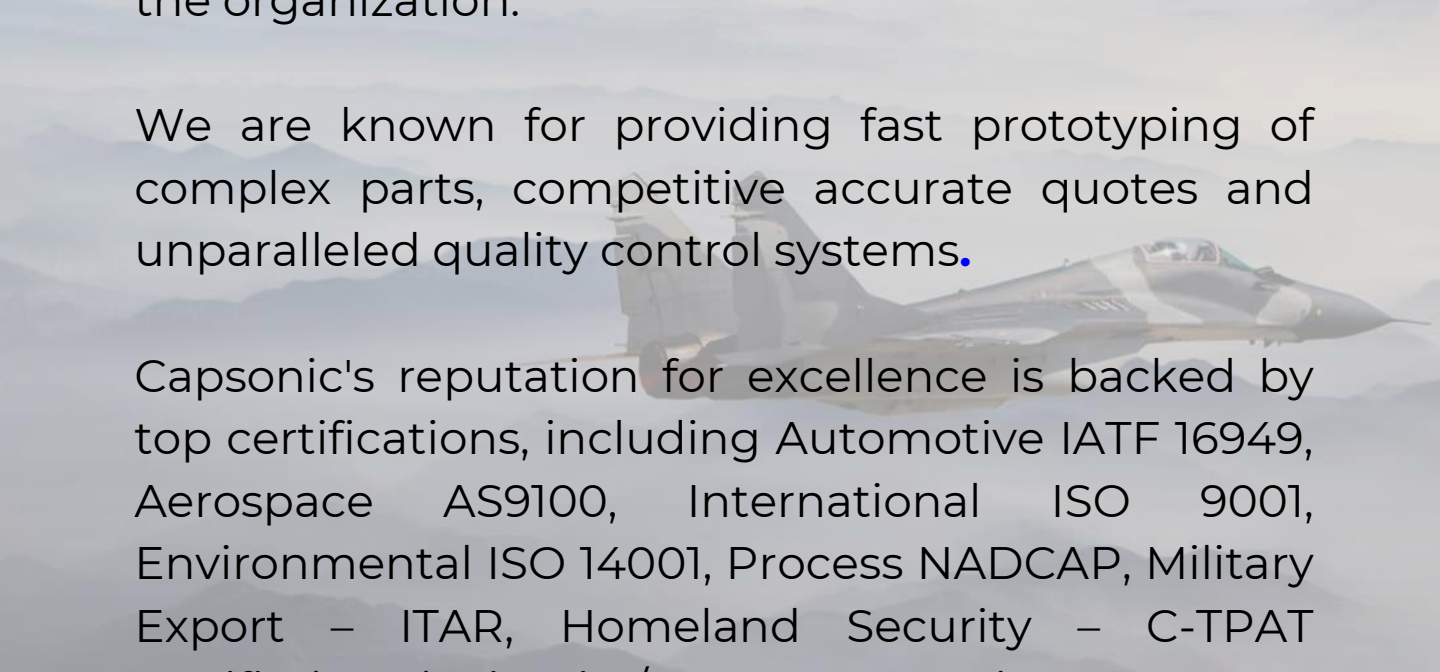
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ABOUT US



Capsonic's qualified, trained and highly skilled personnel have 19 years average seniority and provide certified support to all functional areas of the organization.

We are known for providing fast prototyping of complex parts, competitive accurate quotes and unparalleled quality control systems.



Capsonic's reputation for excellence is backed by top certifications, including Automotive IATF 16949, Aerospace AS9100, International ISO 9001, Environmental ISO 14001, Process NADCAP, Military Export – ITAR, Homeland Security – C-TPAT certified, and Minority/Veteran Owned

CAPSONIC QUALITY PHILOSOPHY



Management motivates and empowers employees to achieve excellence in their daily activities. This is achieved through open dialogue resulting from daily GEMBA walks.

Continuous improvement activities start with our line operators and supported by senior staff.

Capsonic has successfully employed this philosophy to innovate processes and improve the manufacturability of products.





DRIVING IDEAS FORWARD

Capsonic is constantly elevating engineering possibilities to improve manufacturing efficiency while working to eliminate all risks associated with the manufacture and assembly of your parts and provide on time delivery and cost-effective products that meet the industry's highest standards.



SUPPLY CHAIN COMMITMENT

Capsonic's dedication to customer excellence starts at the supply chain level. Grounded in over two decades of experience in creating an exceptional value stream, Capsonic, as our customers, benefits from acquiring components with the highest level of quality at competitive prices.



We make complex products easier to design and build.

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CAPSONIC'S REPUTATION FOR EXCELLENCE IS ALSO BACKED BY TOP CERTIFICATIONS:

- Automotive IATF 16949
- Aerospace AS9100
- International ISO 9001
- Environmental ISO 14001
- NADCAP Processes
- Military Export – ITAR
- Homeland Security – C-TPAT certified
- Minority – NMSDC, CMBDC
- Veteran owned – NVBDC
- IMMEX – MAQUILADORA PROGRAM



Honeywell

IATF 16949: 2016



Working with world-class system and sub-system leaders across Automotive, Aerospace, Military and Appliance, the company is an innovator in developing robust products that are leading the way forward to broad electrification in these sectors.

From value sourced material procurement done through a carefully vetted mature supply chain, to best-in-class engineering capabilities as a collaborator in Design for Manufacturability, Capsonic is known for providing fast prototyping of complex parts and accurate quotes.

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NEARSHORING MEX-USA

As an integrated supply partner capable of meeting challenging production deadlines, the company is also able to offer continuous product improvements throughout the lifespan of proprietary parts and systems found in many of today's top-selling vehicles and aircraft.

With Distribution Center in El Paso Texas US and facilities in Juarez, Mexico, strategically located for expedited logistic activities (3 miles from Cordova-Americas and 11 miles from Zaragoza international bridges).

With unparalleled quality control systems in place, and a workforce of highly skilled and trained technicians, Capsonic assures continuous supply of defect free products for its industry leading customers.



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DESIGN FOR MANUFACTURABILITY (DFM)

We work to eliminate the risk of potential problems in the design, manufacture and assembly of your product, to guarantee end-to-end reliability.

The collaborative effort and clear set of technical guidelines for insert molding, machining and electromechanical assembly for the most complex product for low-mid volume applications. We are known for being a trustworthy source of engineering services and product design for the engineering and manufacturing communities we serve.



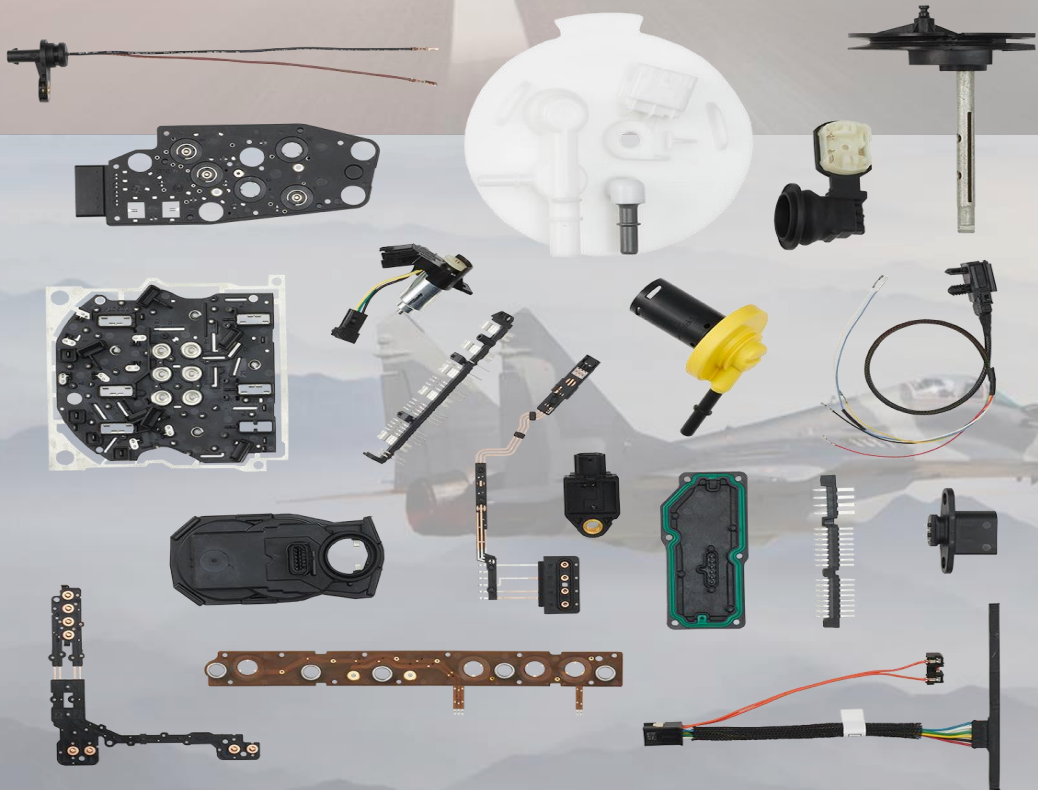
CAPSONIC'S COMPREHENSIVE DFM SERVICES INCLUDE:



- Optimization of all resources available while minimizing risk in the operations to obtain the best combination of automated equipment, material, method and personnel contribution.
- To be efficient and effective in achieving product specifications, and consequently customer satisfaction.
- Vertical integration of automated equipment is developed in house by Capsonic's qualified engineering team.
- Tool Design
- Ongoing Part Validation
- Transfer Capabilities
- Assemblies
- Program Management

INSERT MOLDING

Capsonic makes it easier to design, manufacture and deliver complex parts using our one- and two-step insert molding services.



For over 27 years, we have consistently delivered the right solutions to a diverse array of industries including: Automotive, Aerospace, Military, and Appliance companies by solving complex part design challenges with our proprietary process knowledge.

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Capsonic Equipment Capacity for Straight Molding and Overmold

Vertical Molding Press:

- (1) Hydraulic Engel 85ton.
- (1) Hydraulic Engel 110ton.
- (1) Electric Engel 125ton.
- (3)Hydraulic Engel 125ton.
- (2)Hydraulic Engel 200ton.
- (2)Hydraulic Engel 300ton.
- (1) Hydraulic Engel 340ton.

Horizontal Molding Press:

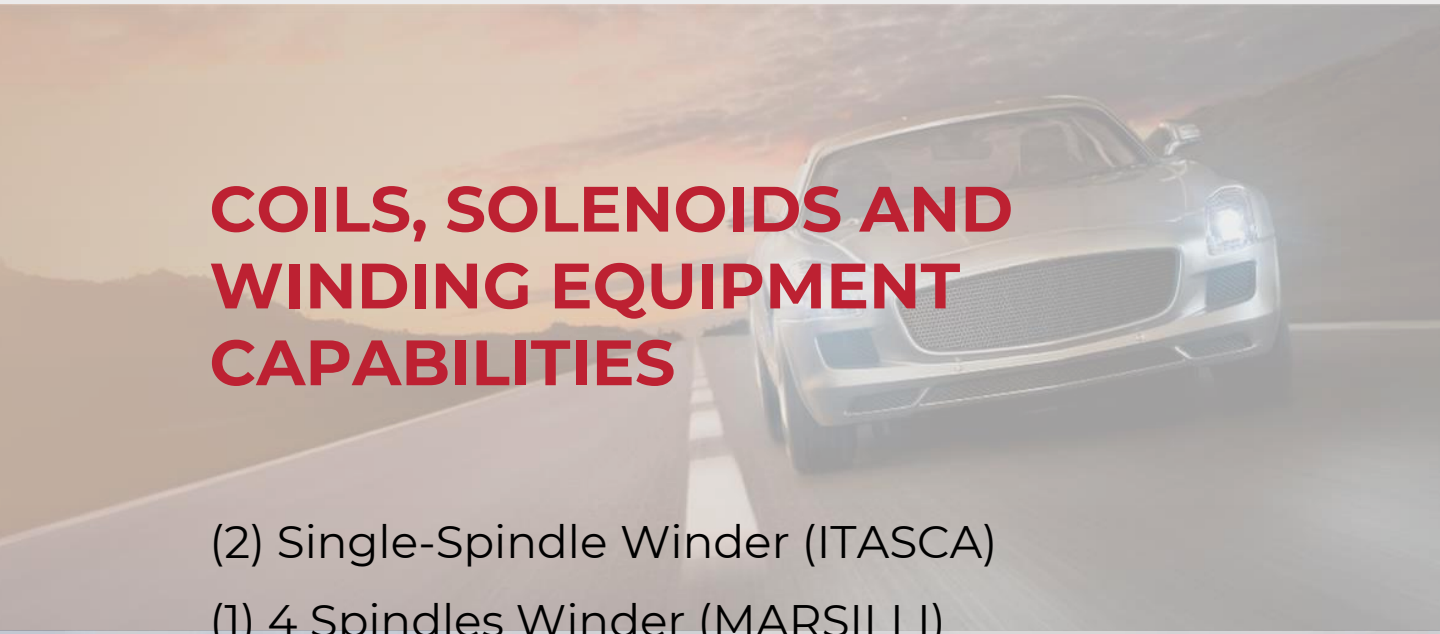
- (1) Hydraulic Engel 60ton.
- (1) Hydraulic Engel 100ton.
- (3)Hydraulic Van Dorn 120ton.
- (1) Hydraulic Engel 150ton.
- (1) Hydraulic Engel 200ton.
- (1) Hydraulic Engel 340ton.
- (2) Electric Toshiba 390ton.

WIRE HARNESSES EQUIPMENT CAPABILITIES FOR CURRENT AND FUTURE PRODUCTION

- (4) Fully automatic wire processing machines (cut and crimp) Komax.
- (1) Semi- Automatic wire processing machine (cut and strip) Schleuniger.

MACHINING CAPABILITIES

- (2) EDM
- (1) Wire EDM
- (1) Template Oven
- (5) Milling Machines
- (2) Lathes
- (4) Surface Grinder
- (1) CNC vertical Machine Center
- (2) CNC Lathe
- (1) CNC Milling Machine
- (2) 3D Printer
- (1) CNC Oscillating knife cutting machine



COILS, SOLENOIDS AND WINDING EQUIPMENT CAPABILITIES

(2) Single-Spindle Winder (ITASCA)

(1) 4 Spindles Winder (MARSILLI)

(1) 6 Spindles Winder (NITTOKU)



OTHER CAPABILITIES

(2) CNC Automated cutting Machine for wedges, and insulators, AEROSPACE Grade for special materials, high precision, such as NOMEX, Wowed Glass Insulator Wedges.

WELDING CAPABILITIES

- Laser Welder – WBS 52
- Ultrasonic Welder
- Resistance Welder
- Puk Welder
- Tig Welder -
- Torch Welding



LABORATORY EQUIPMENT / SCOPE

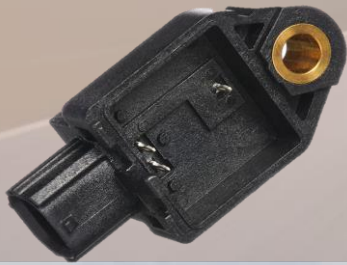
<u>Inspection Performed</u>	<u>Equipment Used</u>
Air Leak Test	Bubble Leak Tester (KPA) Uson Testra 1100 Leak Tester
Cleanliness Test	Millipore Tester
Force Measurement	Force Gages
Moisture Analysis	Mark 2 Moisture Analyzer
Material Composition	Genesis FTIR
Rockwell Hardness	Micro Hardness Tester Rockwell Hardness Tester
Surface Finish	Profilometer
Dimensional Inspections	Dial Indicators Durometer Gages: Block, Drop, Height, Pin, Thread CMM Mitutoyo Crysta-Apex C 7106 CMM Mitutoyo Crysta-Apex C 9106 CMM Mitutoyo Crysta-Apex C 574 MicroVu Vertex 312UC Video CMM OGP Smart Scope Video CMM Science Scope Vision System Mitutoyo Laser Micrometer X-ray machine



CERTIFIED SPECIAL PROCESSES

- ETCHING
 - DRY LUBE
 - PAINTING
 - CHEMICAL COATING
 - ELECTROSTATIC PAINTING
 - RESIN INSULATION FP35
 - PASSIVATION
 - IMPREGNATION
 - ENCAPSULATION
 - EPOXY INSULATION
 - WELDING
 - RESISTANCE BRAZING
 - SPOT WELDING
 - LASER WELDING
 - TORCH BRAZING
 - SOFT SOLDER
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CHARGING UP THE FUTURE



Capsonic competitive advantages are based on the proliferation of world class practices, in which the best controls and systems are applied to provide outstanding quality products.

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CONTACTS

JOSUE MEJIA
VICEPRESIDENT OPERATIONS
jmejia@capsonic.com

SAMUEL GUTIERREZ
NPI & SQ MGR.
sgutierrez@capsonic.com

SABINO ALVAREZ
QUALITY DIRECTOR
salvarez@capsonic.com

EDNA CAMARGO
SUPPLY CHAIN & CS MGR.
ecamargo@capsonic.com

LOCATIONS

TEXAS
7B Zane Grey St., El Paso, TX 79906

MEXICO
6551 Hermanos Escobar
Parque Industrial Magnaplex,
Cd. Juárez, Chihuahua, México 32320