



TEKMART
INTEGRATED
MANUFACTURING
SERVICES

WHERE GREAT PRODUCTS TAKE SHAPE

Overview of Capabilities

WWW.TEKMARTIMS.COM

Company Snapshot

Performance 2013 to 2020

- Stable growth annually 2013 to 2019.
- Impact - Covid-19 challenges in 2020
- Strong 2021 financial outlook

Markets Served

- 40% automotive.
- 30% home appliances.
- Balance – Consumer electronics, medical/industrial.

Clients & Programs

- OEMS' and Tier One
- New 5 year programs -2021
- Ongoing development of tools

TIMS Facilities

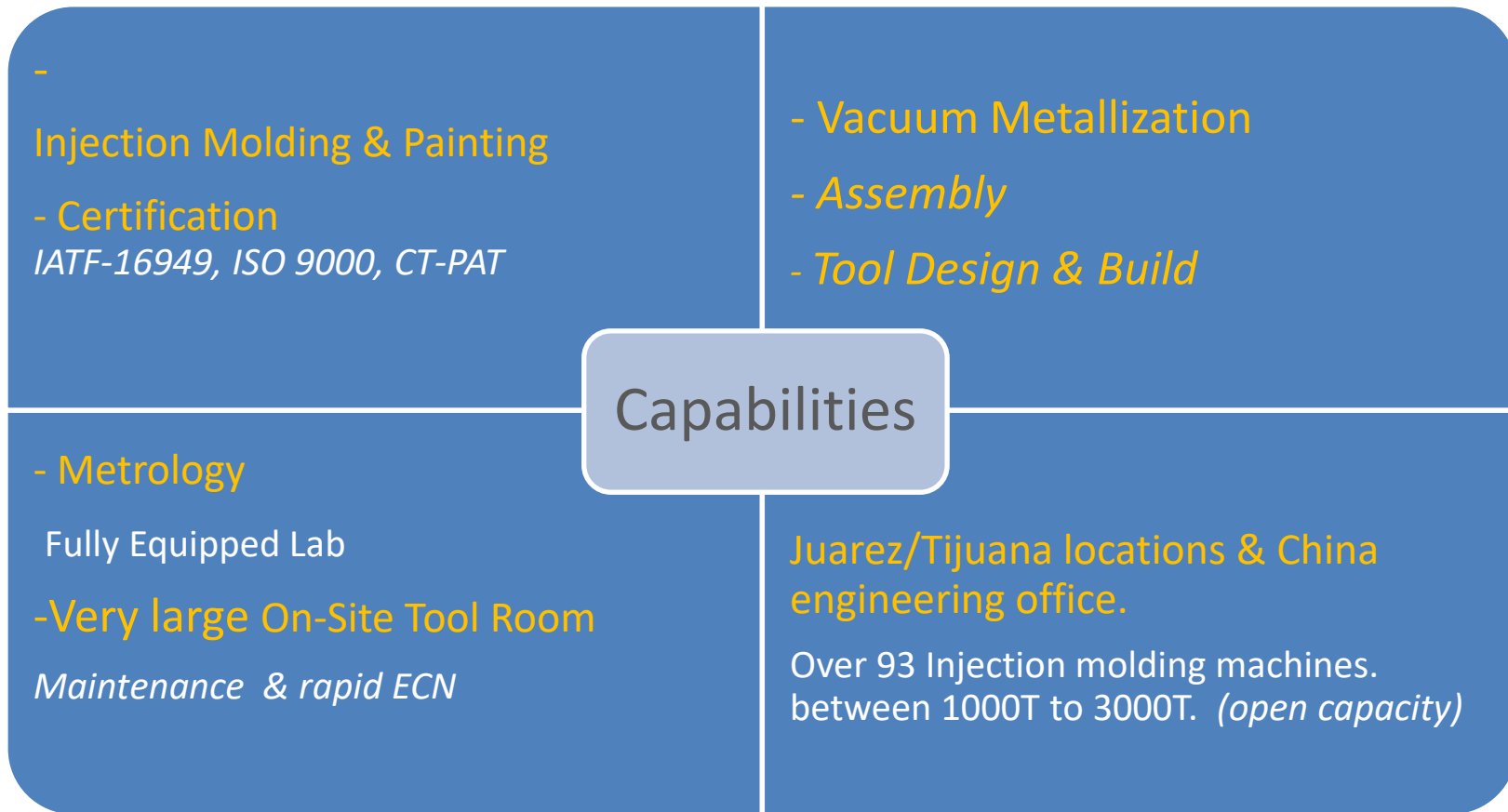


- Juarez main plant 350,000 Sq. Ft. - Texas Border
 - Juarez satellite plant 30,000 " "
 - Tijuana satellite plant 140,000 " "
 - Tijuana satellite plant 60,000 " "
 - 60% available capacity in Tijuana
- California Border
(Pending Nov 5, 2022)



- 132 Injection machines ranging from 100 to 3000 tons.
- Fully automated material distribution system.
- 9 Silos with capacity of over 1.5M pounds.
- Fully automated robot solutions & multiple 30 tons overhead crane.

TIMS Capabilities



Stable workforce and in-depth management expertise

TIMS Solutions Summary



Plastics Molding & Assembly

2K/3K/4K lenses for automotive lighting products, Gas Assist
Insert Molding, Pad Printing, Ultrasonic & Vibration Welding
Assemblies – EV Chargeport for EV



Paint – Semi and High Gloss Capabilities

- Ionized Cleaning
- 3 Paint Booth in line - Base Coat and Clear Coat
- Automated and Manual process
- Controlled Environment – Prevent contamination



Vacuum Metallization (vapor deposition) – 3 Machines

- Metallized taillight and headlight housing.
- Fully automated process
- Potential Other Applications – glass, metal, ceramics



Mold Design, Construction & Product Development

- In-House Engineering –Mold Design DFM, Mold Flow
- Project Management, Engineering Office Shenzhen
- Tooling , Fixtures & Gages Design
- Packaging Analysis and Design

Available Capacity by Machine Size

	Juarez	Available Capacity @24/7
100-199T	12	50%
200-299T	4	25%
300-399T	8	60%
400-500T	10	30%
600-699T	5	40%
700-799T	7	40%
800-899T	2	50%
900-1000T	4	25%
1100-1500T	10	50%
1000-3K 1300T 2K	2	80%
1600-2000T	3	50%
2200-3000T	3	100%
TOTAL	70	

Tijuana

QTY Machines	Tonnage	Montly Hours Available	% Available
3	30- 60	2016	100%
5	110 - 152	3360	100%
1	180 -195	1344	100%
4	210 - 220	2688	100%
5	250 - 310	3360	100%
7	400 - 450	4704	87%
6	500 - 625	2782	69%
4	700 - 880	1048	39%
3	1300 - 1320	829	41%
3	1430 - 1450	2004	99%
3	2100 - 2400	2016	100%

Tekmart Asset Management group will invest in additional machines as needed

Vacuum Metallization

- Fully automated production process controlled by a state-of-the-art IPC system.
- Large chamber and optimized for larger parts.
- Coating plastic, metal, glass, and ceramic parts.
- High throughput & quality.



Chamber Size(w/h)
1800mm X 2000M
71"x 79"



Semi-Automated Paint Line

- Paint cabin with air injection controlled filters.
- Manual paint application booths.
- Waterfalls curtains for overspray extraction.
- Water and solvent capabilities.
- 150 feet aerial conveyor.
- Ionized air cleaning.



Assembly and Secondary operations

Assembly and sub-assembly of component parts:

- Performing inspections
- Fastening
- Functional tests
- Labeling
- Quality control
- Packaging
- Preparation for final use

Secondary operations

Pad printing - Heat transfer - Hot stamping

Ultrasonic welding - Vibration welding



Tool Maintenance Capabilities

- EDM, CNC, horizontal & vertical milling machines.
- 3 air cranes with capacity up to 30.
- Tig and micro welding.
- Heat treatment and hardness tester.

Daily Preventative - maintenance at machine level, cleaning, visual inspection of inserts, movable parts and venting.

Monthly Preventative –repair and replace mold parts.

Corrective Maintenance - ability to rebuild inserts & change Hot Runner configuration.

Engineering Changes - Ability to analyze & propose ECN for various applications.



Quality Systems

Manufacturing, 5'S, Kaizen, PDCA, DMAIC.

World Class

Process Control.

APQP, PPAP, FMEAS, CP, SPC, IQ, OQ,
PQ Validations Protocols for Medical industry.

Document and Data Control.

ISO/9000 – ISO/TS 16949 /VDA

Quality and Metrology Lab – Fully equipped

- Heat deflection load (HDT)
- VICAT softening temperature (VSP)
- Melt Flow Index
- Tensile strength
- Resistance Test
- Torsion Test
- Flexion-torsion Test
- Impact Test
- Flammability Test
- Dimensional Metrology
- Roughness surface
- Spectrophotometer (color and appearance)



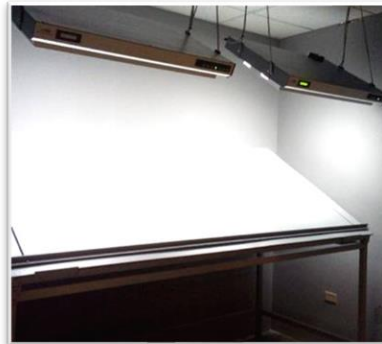
The deflection temperature



Faro Arm EDGE



Fluorescence Spectrometry



Color Harmony Room

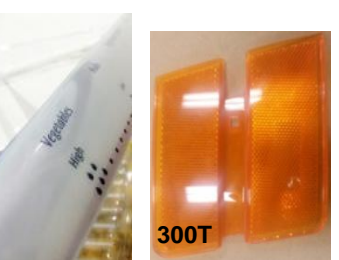
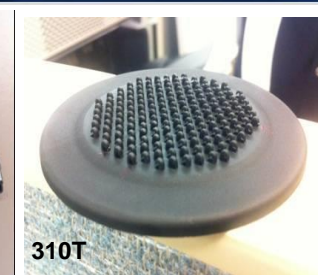


CMM 3D accurate measurements



OGP Smartscope
Fast & accurate measurements
for small parts

Snapshot of TIMS Products



TIMS Automotive Parts 1/2



TIMS Automotive Parts 2/2



TIMS Automotive Parts 2/3



TISM Contact

TIMS Contact Information

Contact us to learn more about manufacturing possibilities.

Thank you

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