

ETCS TOOL & DIE PVT LTD

Your Reliable Partner for Press
Tools, Assembly Fixtures,
Checking Fixtures & Prototypes

India Division :
Sy. No. 23/7, Cheemasandra,
Virgonagar, Avalahalli, Bangalore,
Karnataka, India – 560049

www.etcsinc.com



Company Overview

- **Founded in 2003, ETCS Inc.** specializes in **tool design, engineering, and manufacturing for stamping dies and checking fixtures.**
- To strengthen its engineering capabilities, ETCS established a **5,000 sq. ft. design center in Bengaluru, India, in 2014**, supporting the design and program management of **die and mold projects.**
- In 2017, the company expanded its U.S. operations with a **40,000 sq. ft. facility in Warren, Michigan**, serving **OEMs and Tier-1 suppliers** with the build of **stamping tooling, fixtures, and prototypes.** The facility features advanced **CNC equipment** and **press capacity from 315 to 1,000 tons.**
- Continuing its growth, ETCS added a **10,000 sq. ft. facility in Bengaluru, India, in 2023**, focused on the manufacture of **small tools, assembly fixtures, checking fixtures, and prototypes**, supported by **CNC, conventional machinery, and presses from 100 to 600 tons.**



Organization Structure

- Owner & Majority Investor:
 - Mr. Ravi Kapur (ETCS Inc., USA)
- Managing Director:
 - Mr. Sushant Bhartiya

Head – Finance & Accounts:

Mr. Vijay Reddy

2 Employees

Head – Engineering:

Mr. Ramprasad Bhat

8 Employees

Head – New Product Development:

Mr. Kundan Kunal

32 Employees + Contractual workers



Quality Systems

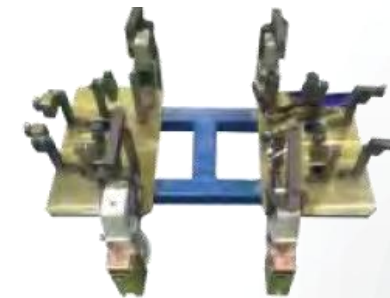


Quality System certification by QAS International

ISO 9001:2015

ETCS Tool & Die Pvt. Ltd. Offerings

- Line Dies- From 100 T to 600 T
- Progressive Dies – From 150 T to 600 T
- Transfer Dies – From 150 T to 600 T
- Check/ Assy Fixtures for up to 1000 mm x 1000 mm Panels
- Assy tools- small & medium



ETCS Tool & Die Pvt. Ltd. Global Market



- ETCS India ships the tools/ products in air/ ocean shipments based upon the customer requirements, first to its MI, USA facility.
- Customer will have a review/ buyoff to his satisfaction at our state-side facility, and then upon the approval it will be sent to customer's facility.
- ETCS USA diemakers/ technicians/ project engineers will install/ commission and do the PPAP support at customer's USA facility.

Nearest Airport – Bangalore
Air freight to USA – 4-5 Days

Nearest Sea Port – Chennai
Ocean freight to USA – 5-6 Weeks

ETCS Tool & Die Pvt. Ltd. Customers

- ETCS Tool & Die Pvt. Ltd. is a leading manufacturer of stamping tools and sheet metal prototype parts, to its esteemed customers both in India & in the USA. It is headquartered in Bangalore, India.
- Founded to provide comprehensive solutions, ETCS specializes in tool design, the manufacturing of stamping dies and check fixtures.
- Additionally, we offer feasibility studies and simulations using advanced software such as AutoForm and Forming Suite to ensure optimal performance and quality.

Our largest Clients include:



www.etcinc.com



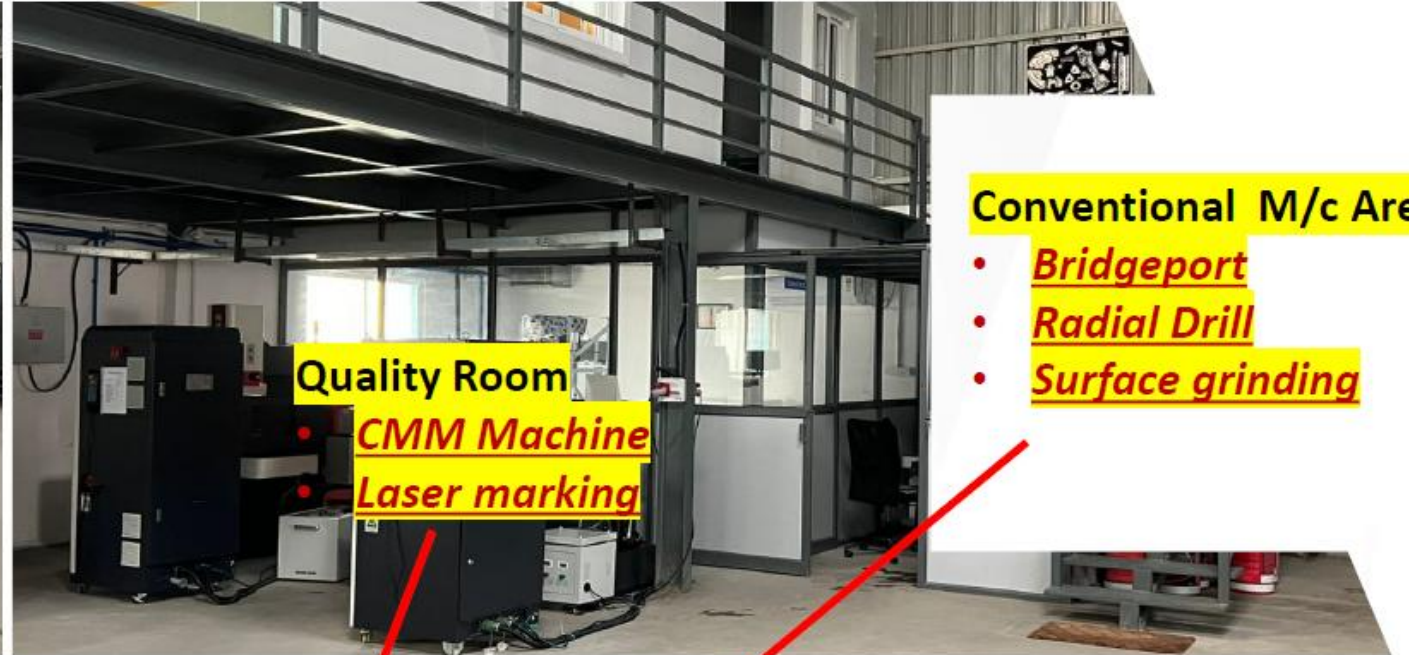
ETCS Tool & Die Pvt. Ltd. Workshop

10,000 SQ
FT Facility



NC M/c Area

- CNC Machines
- Wire cut machines
- Auto Tapping machine



Quality Room

- CMM Machine
- Laser marking

Conventional M/c Area

- Bridgeport
- Radial Drill
- Surface grinding



Die T/O Area

- Bench-work and assembly.
- Press under acquisition



ETCS Tool & Die Pvt. Ltd. Workshop



Office



Conference



Shop

Delivery Assurance: ETCS Tryout Equipment



- UNDER INSPECTION @ SOURCE
- 600 TON Straight Side Mechanical Press/ Model No RSDP-600-3015
- 3000 mm LR x 1500 mm FB Bed Area



- 200 TON Straight Side Mechanical Press/ Model No IXP-200-1510
- 1500 mm LR x 1000 mm FB Bed Area



- FOR PROTOTYPE BUILD
- 100 Ton Banka Machines, Gujarat built powered Hydraulic Press

Delivery Assurance: ETCS Machining Equipment



Equipment: Vertical Milling Centre
Model: EM1100A
Bed Size: X-1100, Y-600, Z-600 mm
Tool Changer Type: ATC with 24 Tools
Quantity: 01

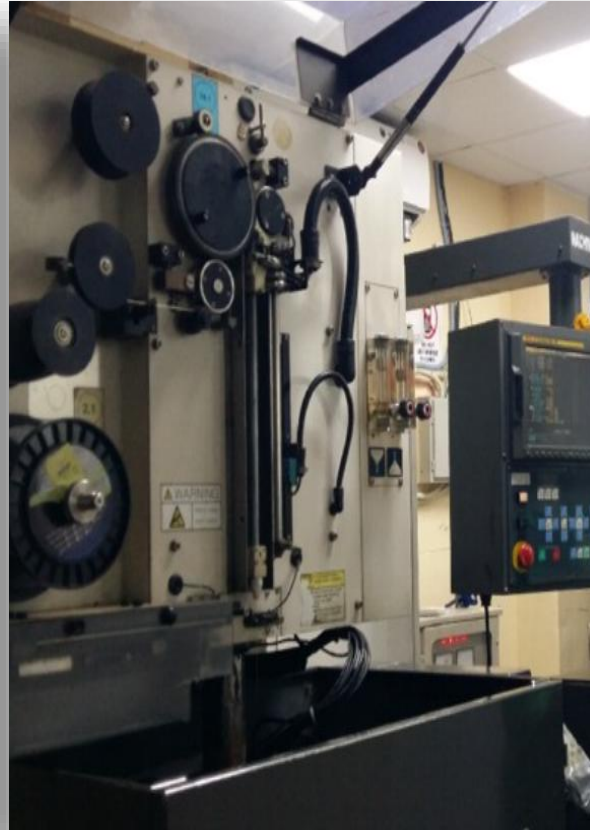


Equipment: Vertical Milling Centre
Model: EM800A
Bed Size: X-800, Y-500, Z-500 mm
Tool Changer Type: ATC with 24 Tools
Quantity: 02

Delivery Assurance: ETCS Machining Equipment



Equipment: Fanuc Robo cut
Model: α-C400iC
Max. Thickness of Job: 255mm
Positioning Accuracy: 0.0001mm



Equipment: Fanuc alpha 0i
Model: α0i CE
Max. Thickness of Job: 180mm
Accuracy: 0.001mm



Equipment: Fast Wire Cut
Model: JC-4555B
Max. Thickness of Job: 400mm
Accuracy: 0.012mm



Equipment: Medium Wire Cut
Model: JC-3240Z
Max. Thickness of Job: 300mm
Accuracy: 0.01mm

Delivery Assurance: ETCS Machining Equipment



Equipment: Wet Surface Grinding Machine
Model: ALPA RT1000 (ITALIAN)
Job Size: 1000 x 500
Accuracy: 0.005mm
Quantity: 01



Equipment: Hydraulic SG
Model: JONES- SHIPMAN (UK)
Job Size: 400 x 300
Accuracy: 0.002mm
Quantity: 01



Equipment: BMT Hydraulic SG
Model: AH-500
Job Size: 250 x 500
Accuracy: 0.002mm
Quantity: 01



Equipment: BMT Manual SG
Model: AH-500
Job Size: 250 x 500
Accuracy: 0.002mm
Quantity: 01

Delivery Assurance: ETCS Machining Equipment



Vertical Milling Machine
 Model: M4A
 Table Size: 1370 x 254 mm
 Ram Travel: 510 mm
 Quantity: 02



Radial Drilling Machine
 Model: Z3040
 Arm Length: 1300 mm
 Spindle Travel: 200 mm
 Quantity: 01



Fiber Laser Engraving M/C
 Model: SW-QXGQ30A
 Marking Range: 300 X 300
 Quantity: 01



Auto Tapping M/C
 Model: M36
 Tapping Range: M6-M36
 Quantity: 01

Delivery Assurance: ETCS Machining Equipment



Vertical Milling Machine
Model: F1
Table Size: 1370 x 254 mm
Ram Travel: 600 mm
Quantity: 01



Lathe Machine
Model: 40-1000
Max Length: 1000 mm
Max Dia: 250 mm
Quantity: 01



Band Saw Machine
Semi Auto
Model: Slice 200
Max Size: 200 mm
Quantity: 01

Delivery Assurance: ETCS Weld Equipment



ARC WELD : 01
TIG WELD : 01
MIG WELD : 01

Delivery Assurance: ETCS Backup/ Support Equipment



**Diesel Genset
Capacity – 125 Kva**

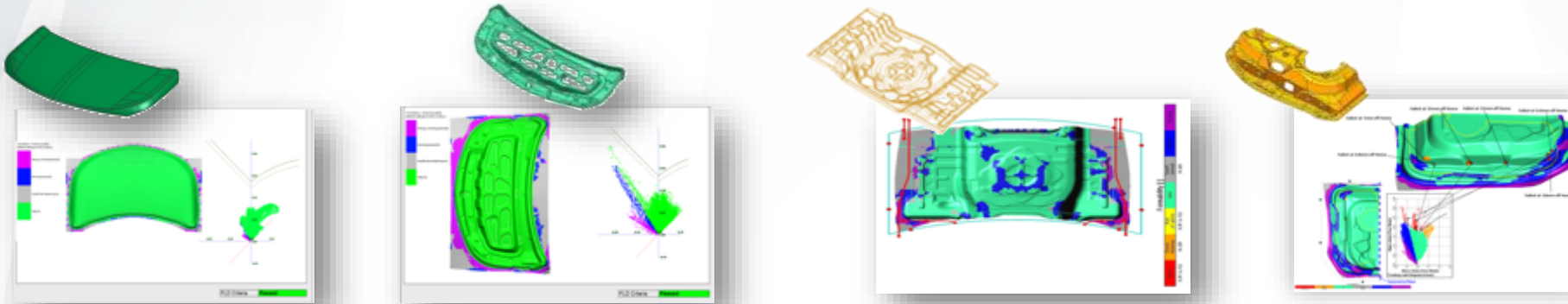


**UPS Back up
Capacity – 100 Kva**

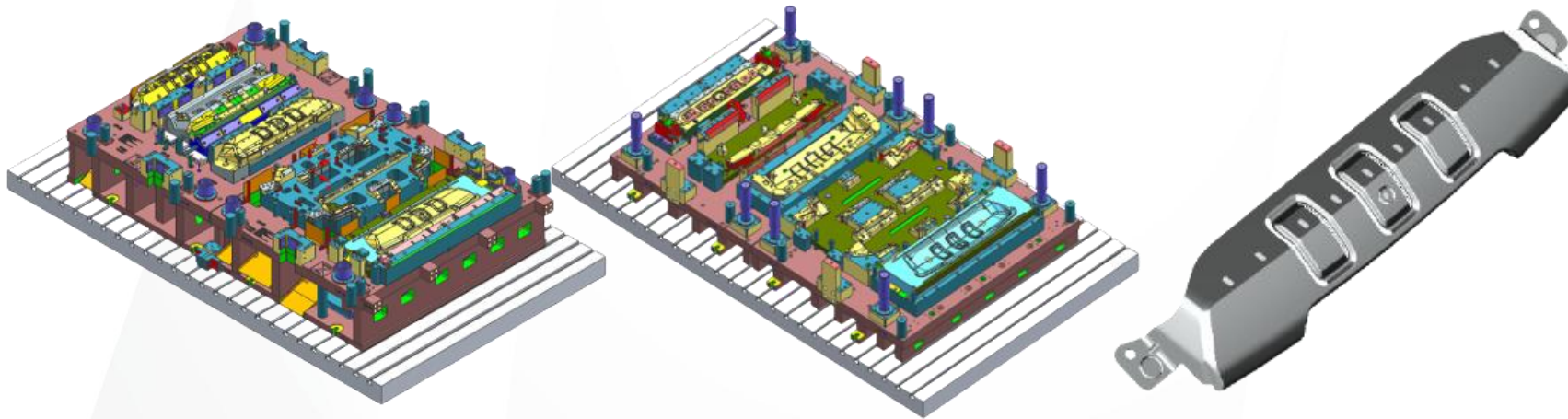


**Compressor
15 HP**

ETCS India Engineering Capabilities

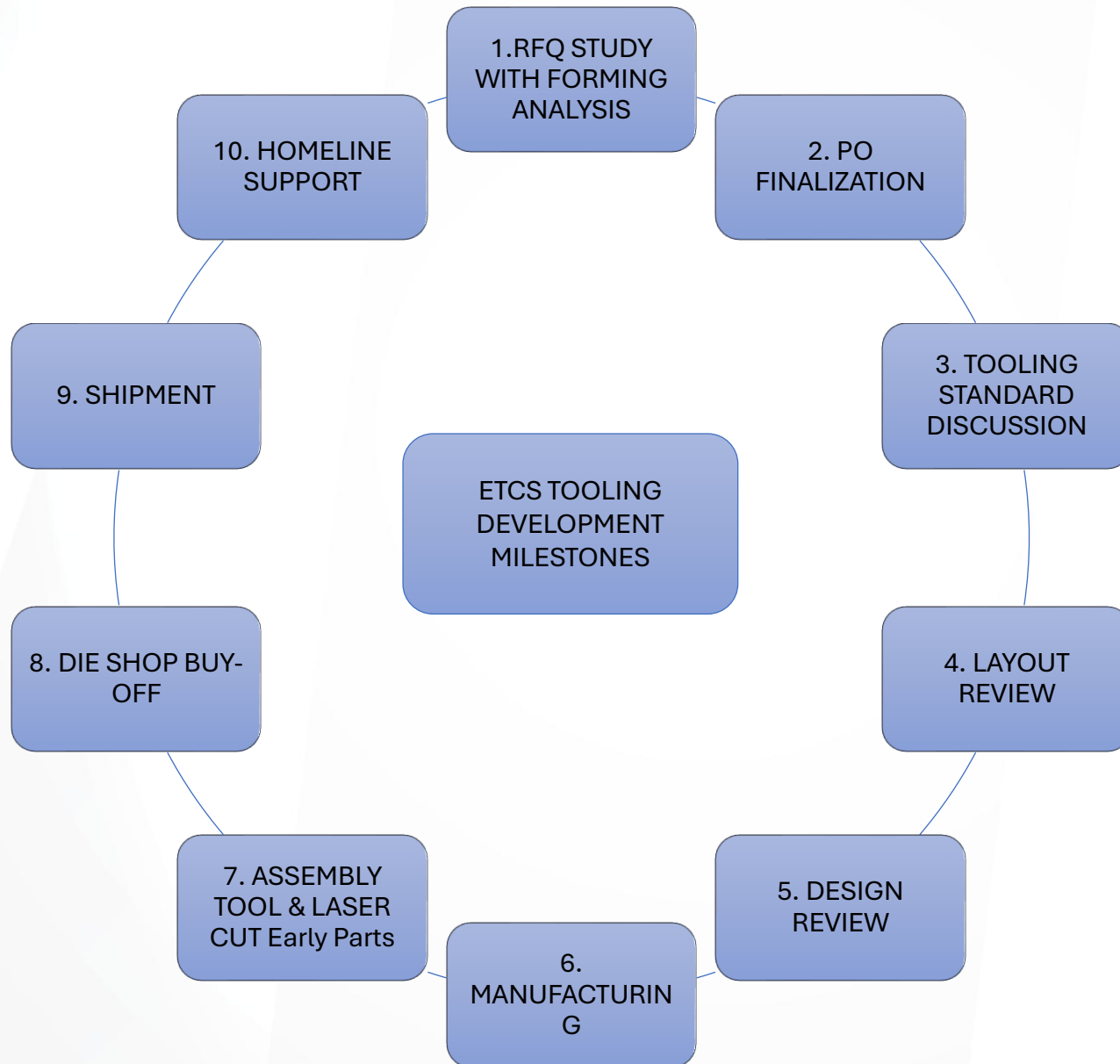


- Multi-step simulation using Autoform.
- Spring-back Analysis and correction of draw surface for spring back compensation,
- Experienced in the simulation of Dual-phase materials, tailor welded blanks and Aluminum.



- Die Design in UG-NX for Line Dies, Progressive Dies, & Transfer Dies.
- UG-NX V11: 7 Lic, VISI Cad: 1 Lic, Proge-CAD: 2 Lic, Master CAM V24: 1 Lic, Poly Works 24: 1 Lic

ETCS India Project Management Capabilities



*** Stage 7: For Early Part builds, a reusable small die set is used to fix all the stations on it & to produce Proto parts with laser cut. This way, the prototype build timing (around 12 weeks ~16 weeks) is also maintained, and the cost impact is about 10% over the actual cost of the Production die.**

Quality Assurance: Total Quality Management



Certificate of Registration



ETCS Tool & Die, Inc.
21275 Mullin Avenue, Warren, MI 48090, USA

Have been assessed and approved to:
ISO 9001:2015
Quality Management System
The approved management system applies to the following scope:

The manufacture of precision dies for the automotive and OEM industries.

Original Approval: 23rd September 2020
Current Certificate: 23rd September 2025
Certificate Expiry: 23rd September 2026
Certificate Number: US4538

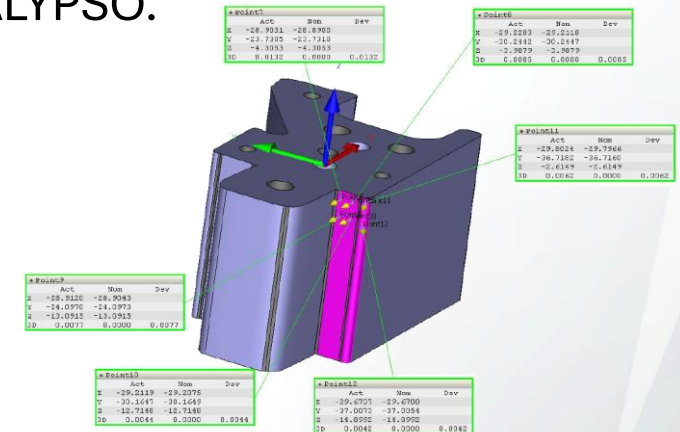
Signed: Certification Officer

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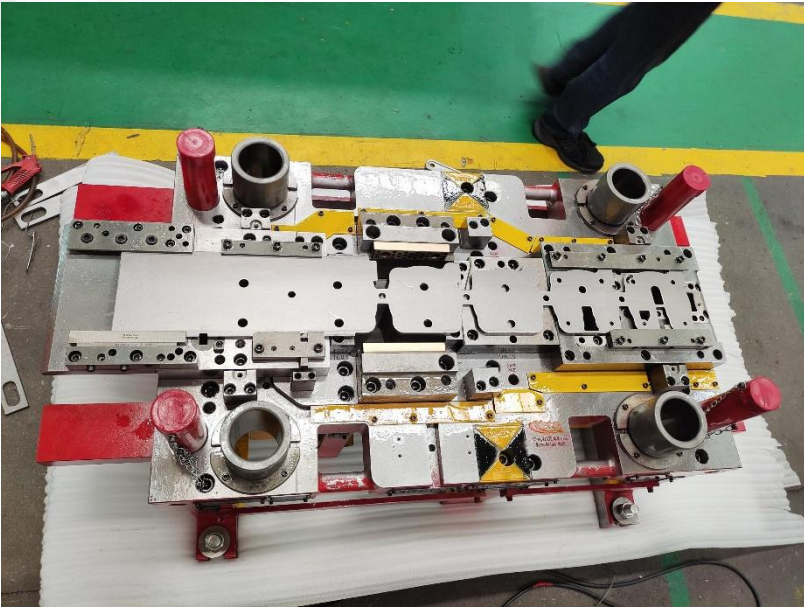


Coordinate Measuring Machine
Model: CARL ZEISS SPECTRUM
7/10/6 plus RDS VAST XXT
Measuring Capacity: X-700, Y-1000, Z-600 mm
Quantity: 01

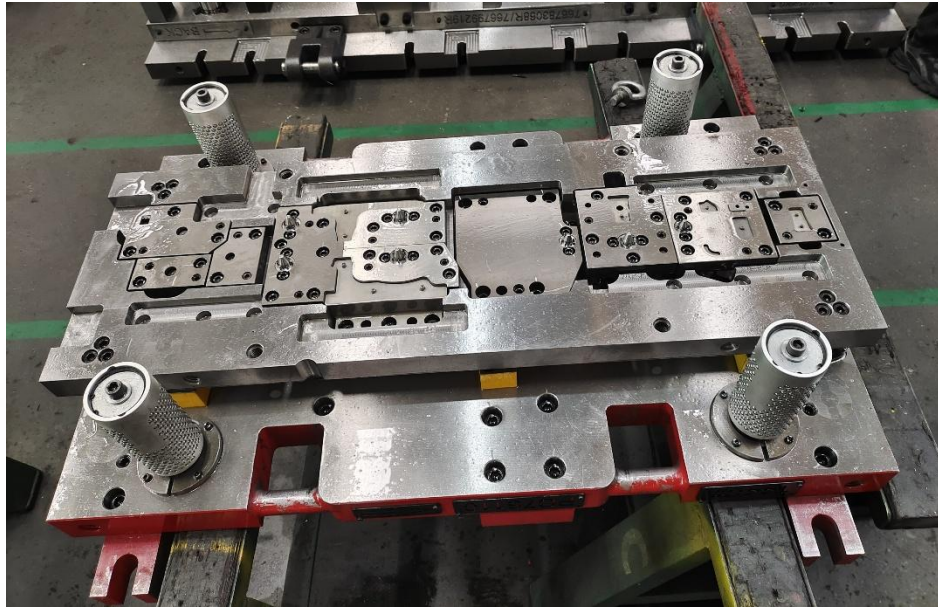
- **Quality Assurance:**
We have a strong Inspection capability, with 2 Quality Engineers, including 1 CMM Engineer.
- We can measure more than 200 Parts in a month.
- Regular random inspection of raw materials.
- **QAS Certification ISO 9001:2015**
- **Measuring Equipment**
 - Carl Zeiss CMM machine with high accuracy. The software we are using is CALYPSO.



Dies Designed, built at ETCS India & Shipped to ETCS USA



Lower tool with strip

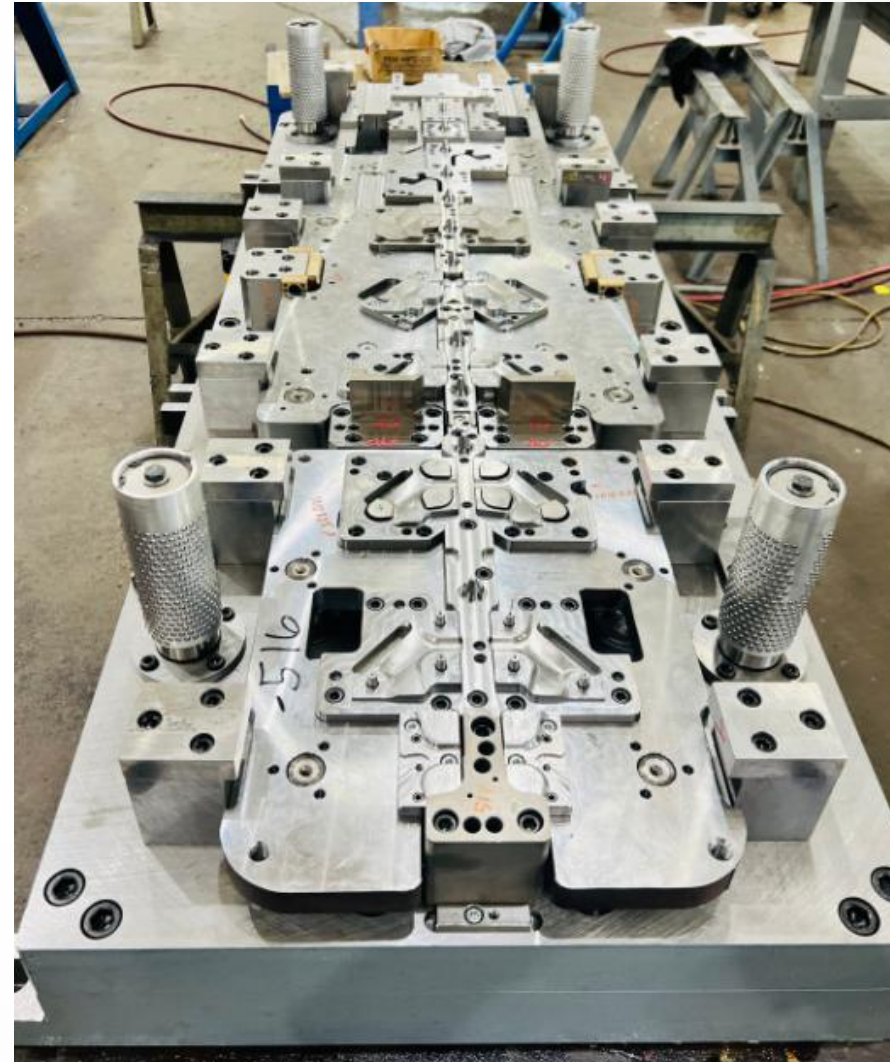


Upper tool



Tool after package

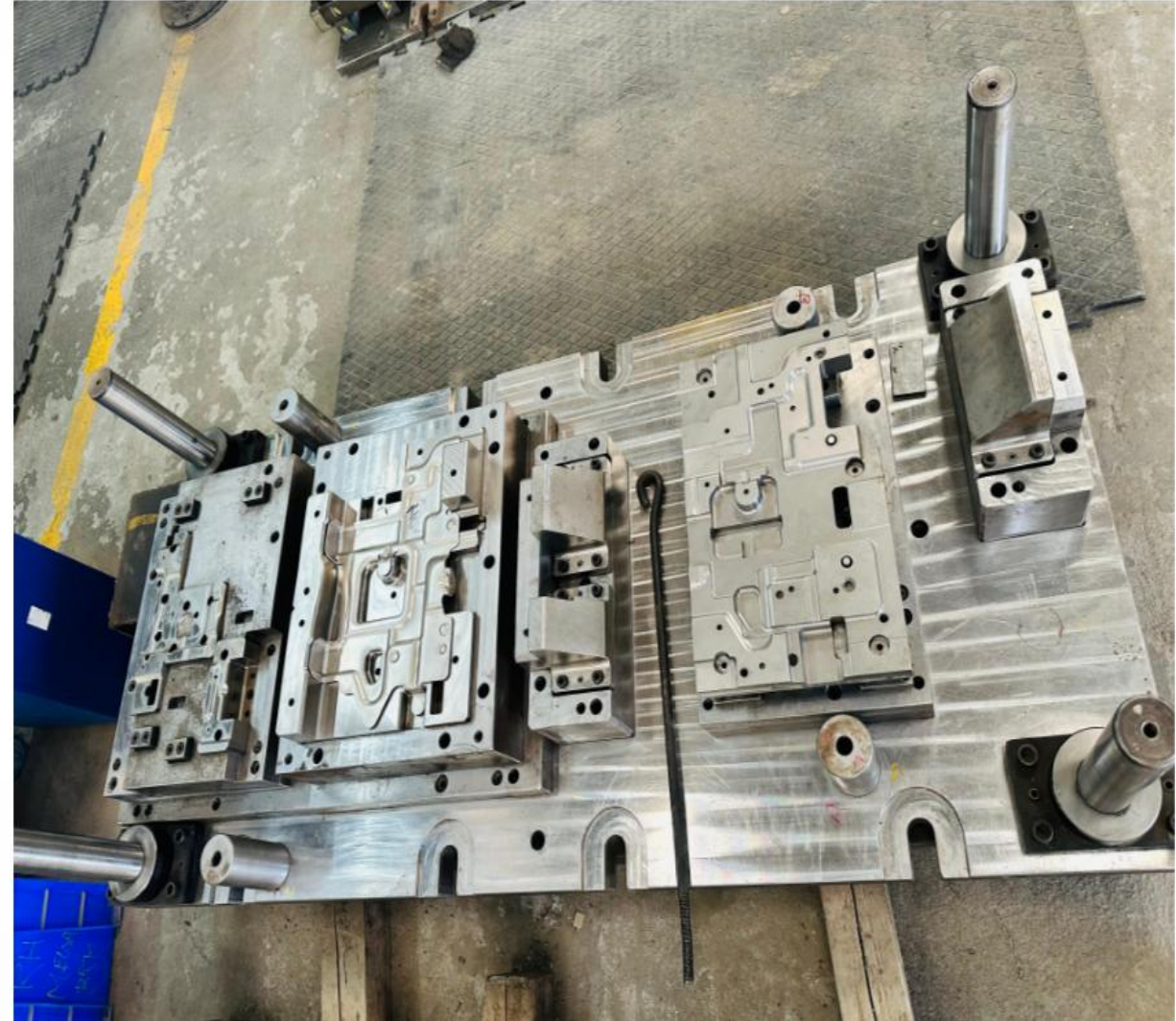
Dies Designed, built at ETCS India & Shipped to ETCS USA



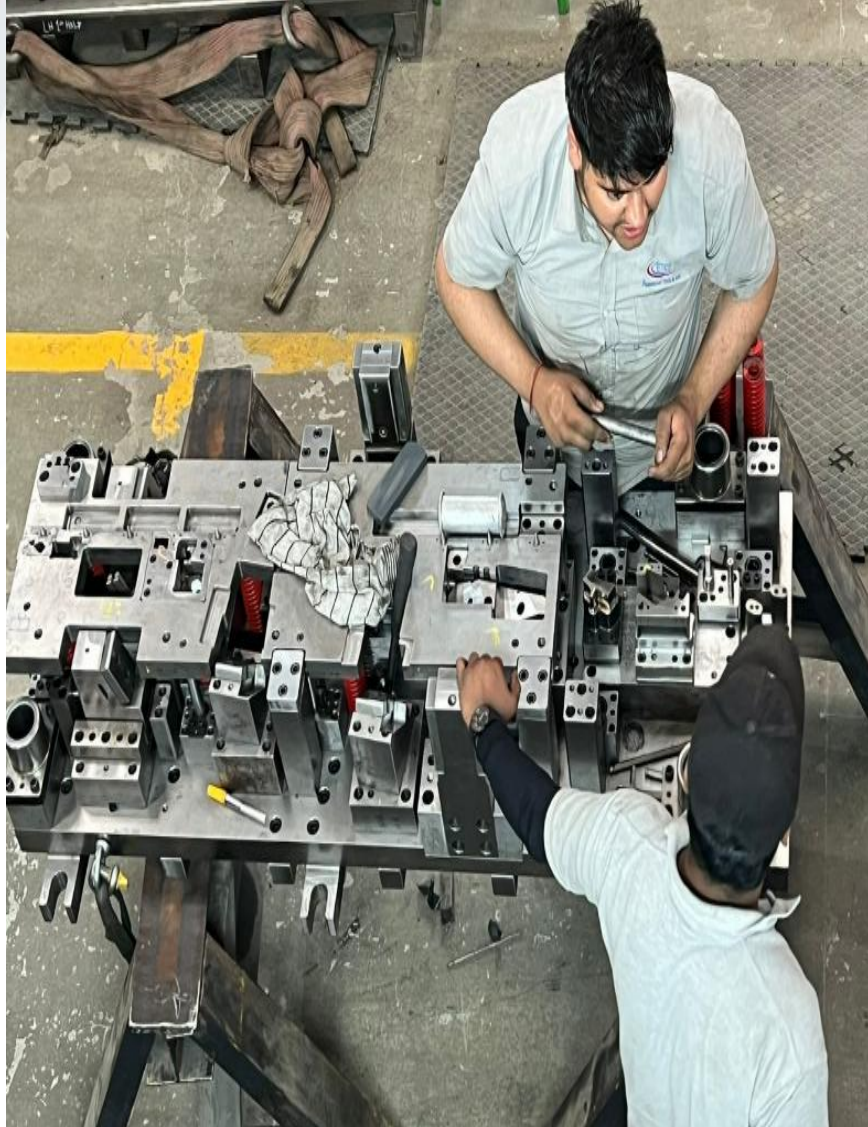
Dies Designed, built at ETCS India & Shipped to ETCS USA



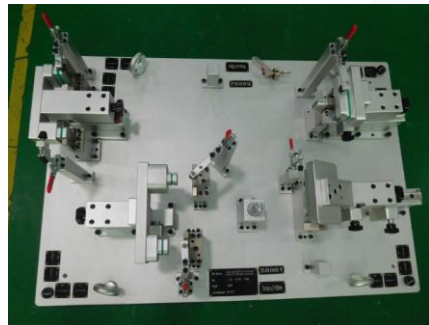
Dies Designed, built at ETCS India & Shipped to ETCS USA



Dies Designed, built at ETCS India & Shipped to ETCS USA



Fixtures Designed, built at ETCS India & Shipped to ETCS USA



ETCS had designed, built and supplied:

- Attribute Checking Fixtures,
- Assembly Fixtures, and
- Machining Jigs

Thank You!



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