

# HIROTEC Tooling de Mexico

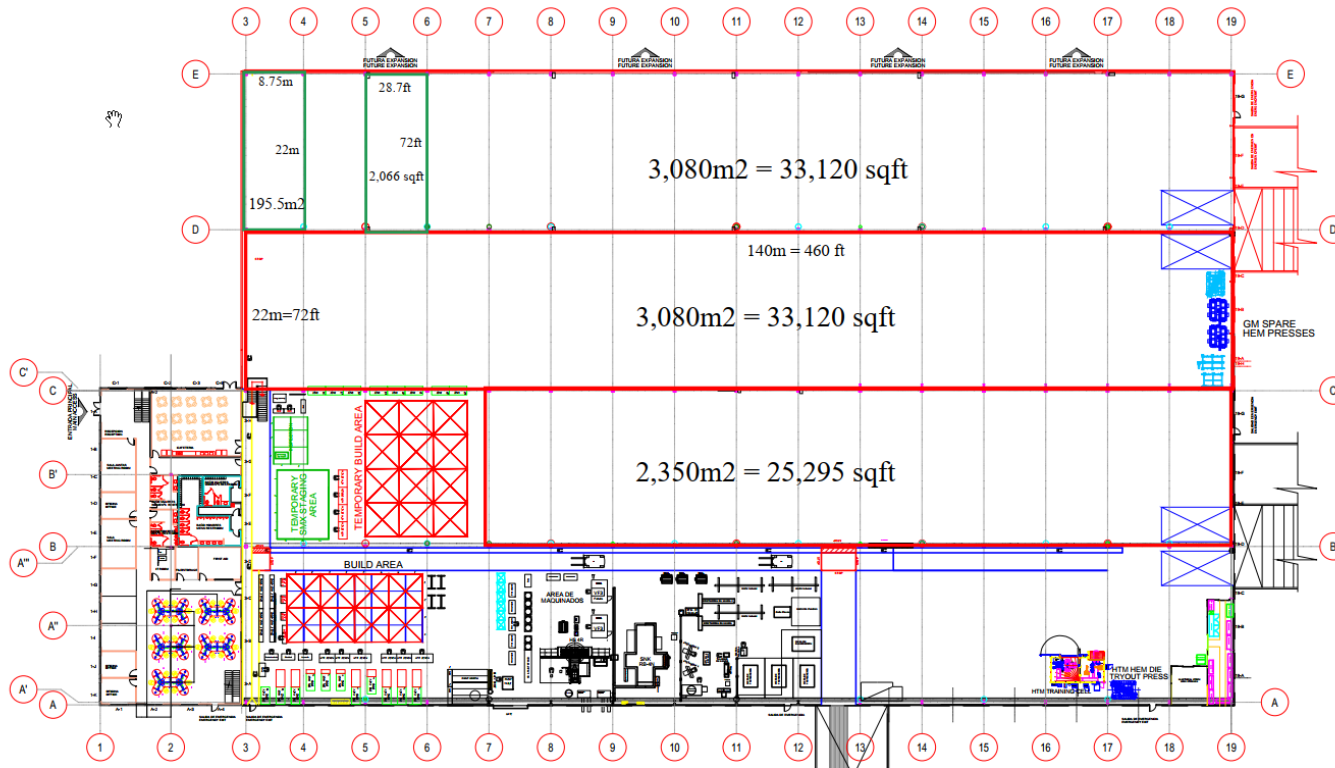
March 2023.

Operational capacity  
(Engineering & Manufacturing)



**Current integration available Space: 8,400 m<sup>2</sup>**

**Future Expansion: up to 14,400 m<sup>2</sup>**



**Established: 2013**

**Employee Count: 116**



## Sincerity:

We move forward persistently in good faith based on a foundation of honesty and trust with our customers, employees, and community.

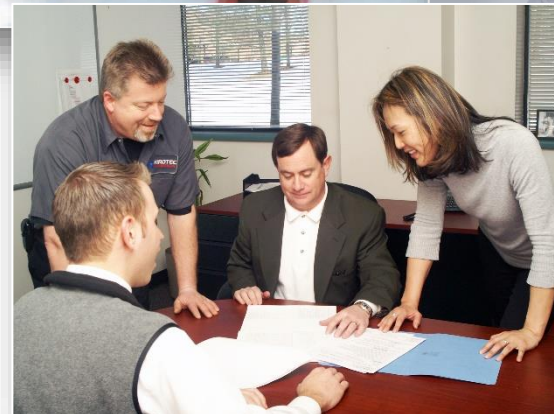
## Modesty:

Listen and respect others' opinions with an open mind to help each other for the good of all.

## Progress:

Never be satisfied with the present and aggressively develop and adopt new ideas and technologies to position us as the leader in the industry.

**HIROTEC.ism**  
SINCERITY - MODESTY - PROGRESS



**HIROTEC is a Global Automotive Tier-1 Supplier specialized in Closures, Exhaust Systems and Manufacturing Tooling**

## USA

- Auburn Hills, MI (2) **T**
- Flint, MI **T**
- New Haven, MI **T**
- Fayetteville, TN **E**

## MEXICO

- Silao (2) **C** **E** **T**
- San Luis Potosí **C**

## GERMANY

- Stuttgart **T**
- Munich **T**
- Geiselhöring **C**
- Eislingen **T**

## INDIA

- Coimbatore **T**
- Pune **T**
- Gujarat **E**

## CHINA

- Liuzhou City **C** **T**
- Qingdao **C**
- Nanjing (2) **E** **T**
- Changchun **E**

## THAILAND

- Rayong **E**

## KOREA

- Asan **T**

## JAPAN

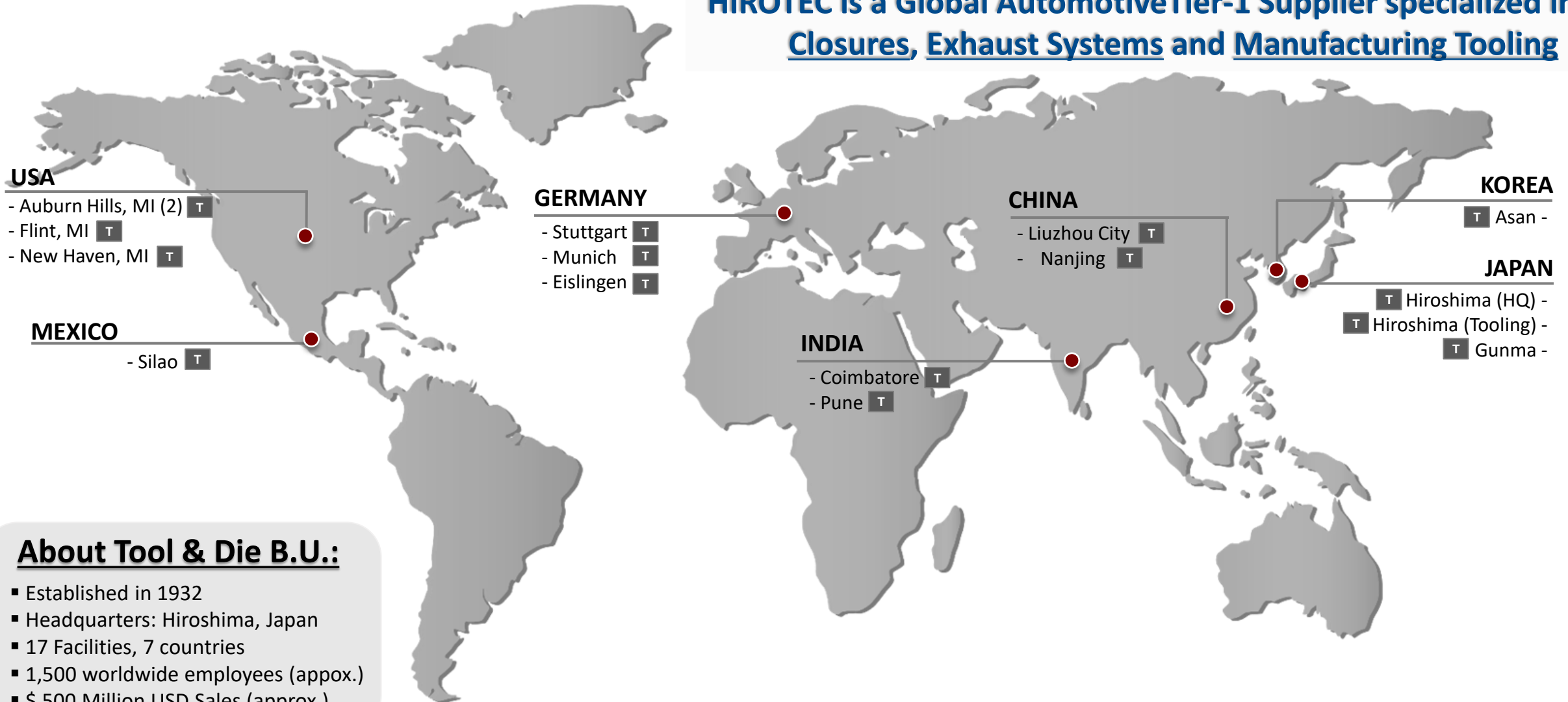
- C** **T** Hiroshima (HQ) -
- E** Hiroshima (Exhaust) -
- T** Hiroshima (Tooling) -
- C** Numata -
- E** Asa -
- E** Hikari -
- E** Yuki -
- C** **E** Hofu -
- C** **E** Oita -
- T** Gunma -

## About HIROTEC Group

- Established in 1932
- Headquarters: Hiroshima, Japan
- 32 Facilities, 8 countries
- 6,000 worldwide employees
- \$1.8 billion in group sales

<b>C</b>	Closure Production
<b>E</b>	Exhaust Production
<b>T</b>	Tool & Die

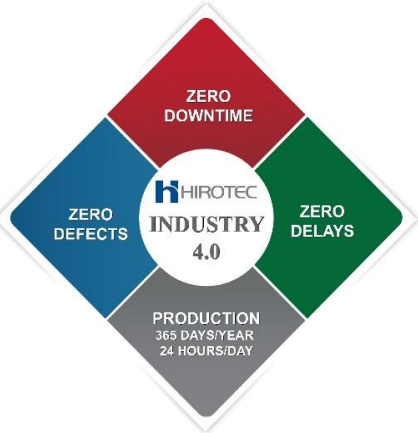
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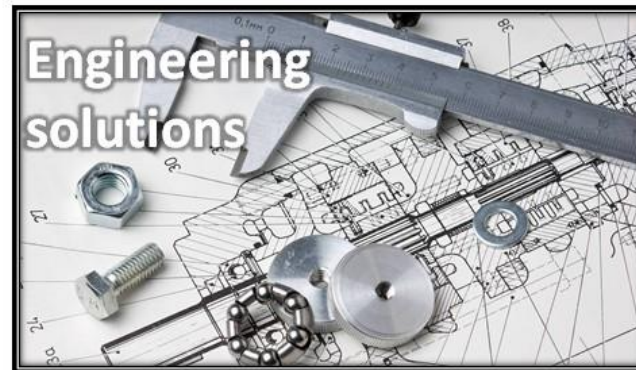
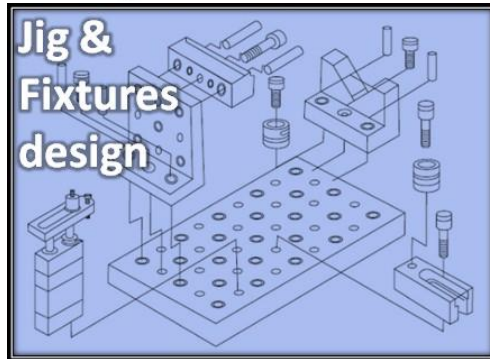
## About Tool & Die B.U.:

- Established in 1932
- Headquarters: Hiroshima, Japan
- 17 Facilities, 7 countries
- 1,500 worldwide employees (approx.)
- \$ 500 Million USD Sales (approx.)





- Robotic Weld Cells
  - Spot Weld
  - MIG Weld
  - Laser Weld
- Stud/Nut Weld jigs
- Automatic Weld Jigs
- Manual Weld Jigs
  - Electric Control
  - Air Logic
- Hemming Systems
  - Press & Die
  - Table-Top Hemmer
  - Roller Hemming
  - Wheelhouse
- Sealing Systems
- Vision Systems
- Piercing Jigs
- CMM Holding Fixtures
- Handling Jigs/EOAT
- Process Racks
- Plant services:
  - Tool re-certification
  - Pipe & Wire
  - Systems Integrations
    - PLC programming
    - Robot teaching
- Electric & controls
- Hydraulics & pneumatics
- HVAC



## PLC Programming:



## HMI's:



## Pneumatics:



## Robot Programming:



## Vision System:



## Workholding:



## Networks:



## Safety:

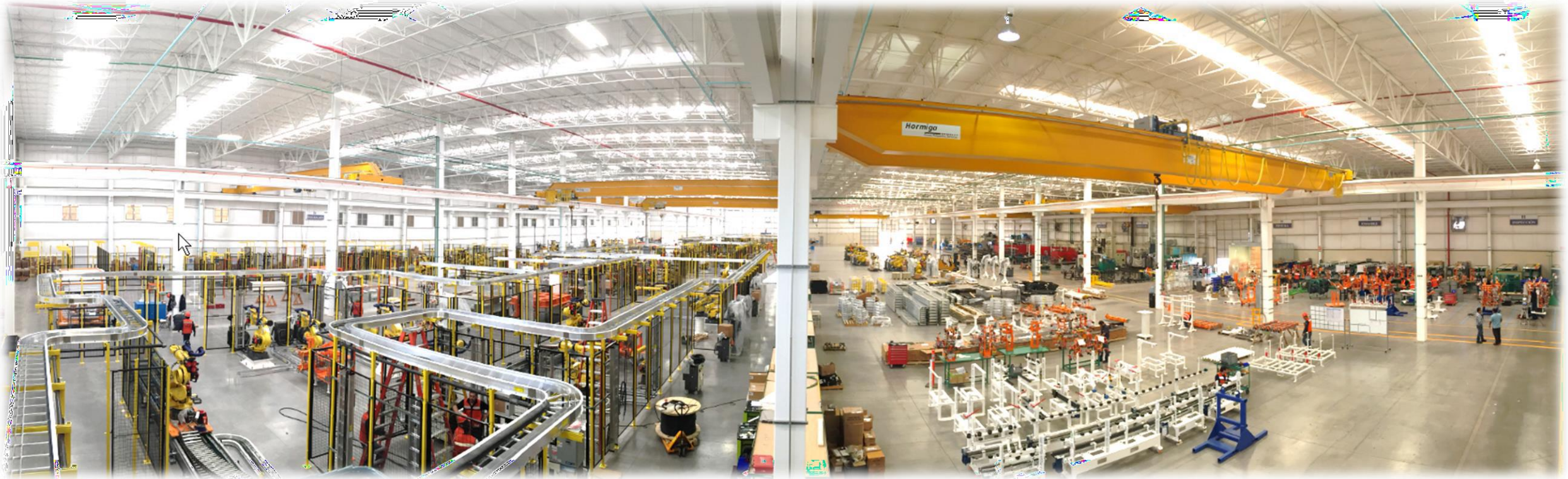


## Sensors & Connectivity:





We have integrated several lines of 50+ robots in Mexico and shipped overseas



We have processed more than 600 metric tons of steel since 2013



We have integrated several lines of 50+ robots in Mexico and shipped overseas

## Top 7 projects based on number of robots

	Project/OEM region	No. Robots	Type of robots (process)
2022	American OEM	92	Spot weld, sealer, MH, hemming
2021	European OEM	55	Spot weld, sealer, MH
2020	European OEM	65	Spot weld, sealer, MH Measurement robot
2017	American OEM	88	Spot weld, sealer, MH
2016	Japanese tier 1	70	Rivet, Sealer, MH, Roller hemming
2016	Japanese tier 1	58	Spot weld, sealer, MH
2015	American OEM	52	Spot weld, Sealer, MH



## Engineering

As part of hirotec group , Hirotec Group, Hirotec Tooling de Mexico provide customer turn-key comprehensive solutions using our collective resource of product engineering, Project Management, controls and mechanical design





## Project management & manufacturing

The Aim of Hirotec Tooling, a Project Management-based company, is to integrate the Project Management capabilities and engineering technologies cultivated within Hirotec Group and achieve sustained business growth.

- **Bilingual Project managers with sound knowledge on PMI practices**
- **Administrative & technical support from the beginning to the end of the project**
- **Process and Product change management (+QDC management)**



Effective English communication



Quality & safety Assurance



Time and exports management



Risk and cost reduction



On-site integration



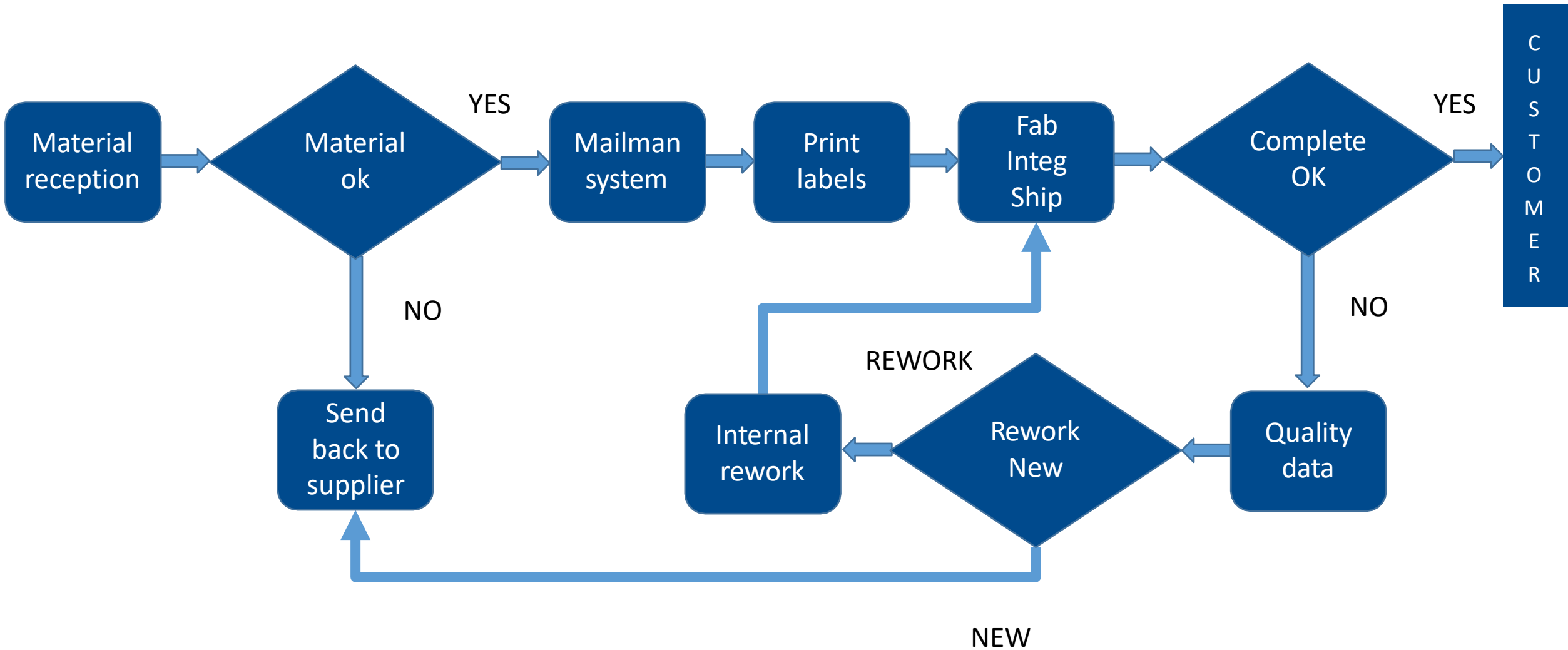


### Traceability system: Mailman (Developed by Hirotec group)



All elements are controlled by our PTUD number  
PROJECT, TOOL, UNIT, DETAIL number

## Mailman system process flow



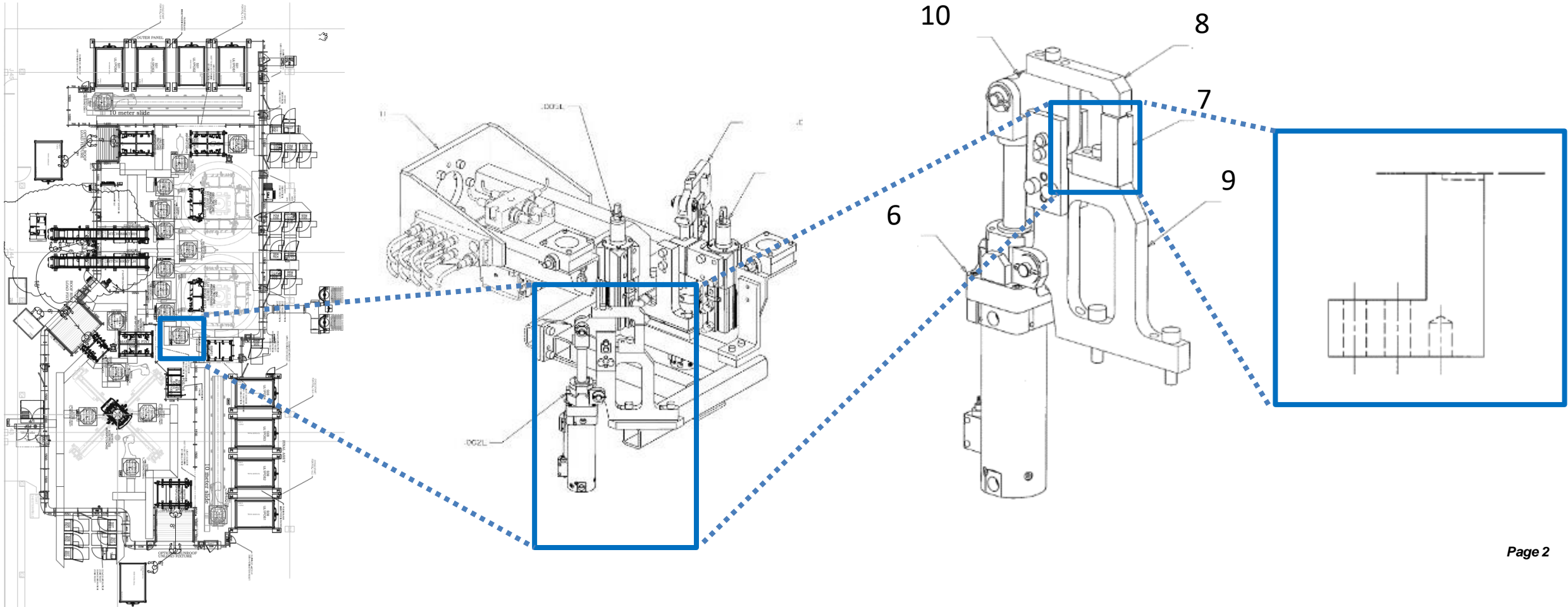


**Project**  
12345

**Tool**  
40

**Unit**  
2

**Detail**  
7



## ISO 9001 CERTIFICATE



### Hirotec Tooling de México, S. de R.L. de C.V.

Circuito San Roque No. 351, Parque Industrial Santa Fé Ampliación Silao,  
Guanajuato 36275 Mexico

Has been assessed and complies with the requirements of:

## ISO 9001:2015

**Scope:** Design and manufacture of hemming systems, body in white  
assembly equipment. Engineering services.



CERTIFICATE NUMBER  
GSC9KMX1149

Initial registration date  
June 14, 2017

Date of certification decision  
February 14, 2023

Registration period  
**14/FEB/23**  
**13/JUN/23**

Certification scheme  
Single Site  
Last update  
February 14, 2023

  
Executive Director  
GlobalSTD Certification





## Top 10 benefits



Part of North American market (USA, Canada, México)



Quick turnaround to USA and Canada



Skilled, available and affordable workforce: high labor cost savings



Internationally supported by Hirotec group. A hub for innovation



Quality culture. ISO, NAAMS & JIS



Low-cost integrated supply chain. Mature supply base in México



Tariff savings due to USMCA trade agreement



Facilitation of investment processes and financial certainty



Legal certainty for intellectual property



Fast track and risk-free exportations operations processes from Mexico.