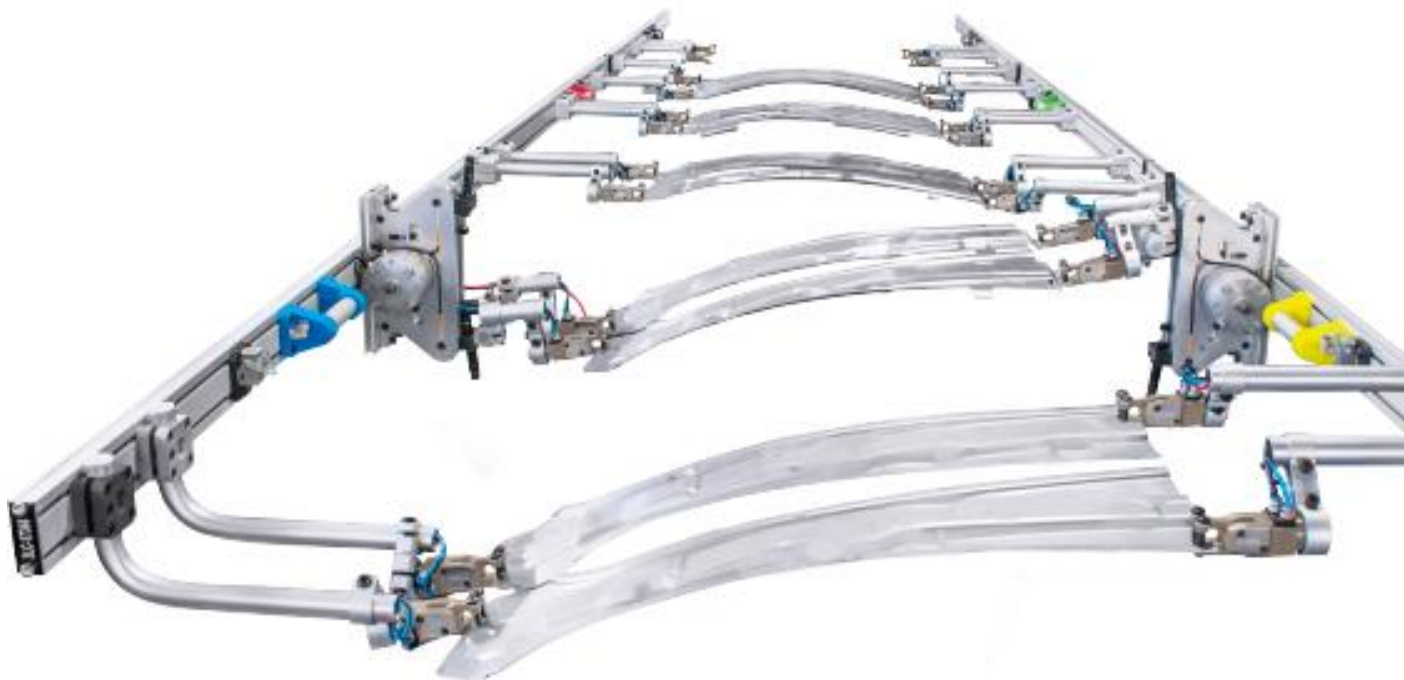




Misati Services Handbook

Productivity, reliability and return on investment in transfer stamping processes



1.

Make the right
decisions

2.

Execute
reliably

3.

Optimise
production

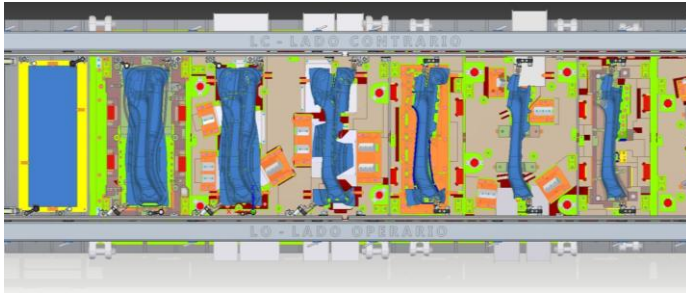
4.

Create
autonomy

1. Strategic Services



👉 **Objective:** To minimise risks, ensure technical feasibility, and define the system's true potential **before investing**.

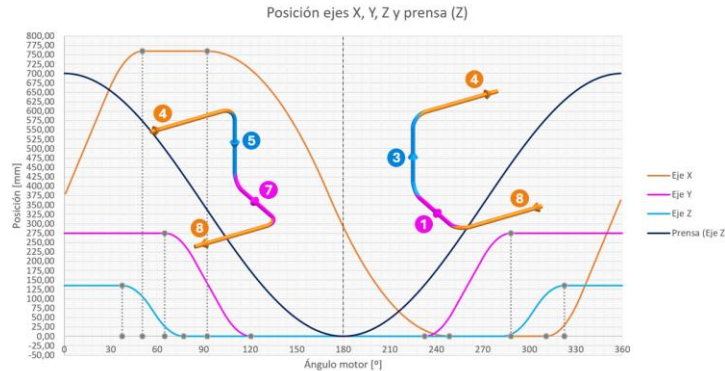


High-performance, low-cost dies

Recommendations for die design to reduce costs and improve productivity on the transfer press.

Added value:

- More compact and productive dies.
- Less construction complexity.
- Better die-transfer integration.



We don't just provide theoretical SPM values. We verify real production

We calculate production (SPM) using an advanced kinematic algorithm that incorporates real-world industrial factors.

$$\text{MISATI SPM} = \text{Theoretical SPM} \times F_d \times F_p \times F_e$$

Added value:

- Knowledge of actual production before investment.
- Elimination of uncertainties during commissioning.
- Identification of the system's real bottleneck.
- Objective basis for decision-making (ROI, capacity).



Is the press compatible with the die and the transfer?

The feasibility study analyses the compatibility of the press, die, transfer and sheet metal. It identifies system limitations, enabling potential issues to be anticipated and ensuring productivity, reliability and profitability from the outset.

Added value:

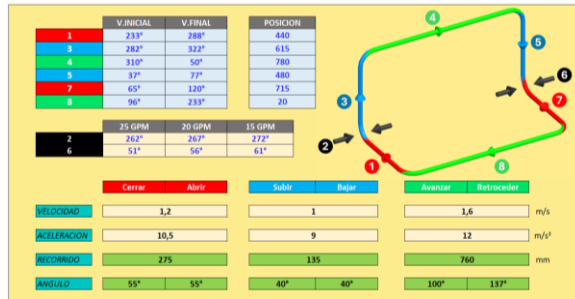
- Complete and advanced overview of the process.
- Reduction of rework and additional costs.
- Information to help decide between in-house production or outsourcing.

Result: Better-informed decisions and more profitable future projects.

2. Applied Engineering Services



👉 **Objective:** To convert the design into an efficient system by correctly executing the transfer project.



Misati Cyclogram: calculated motion, stable results

The Misati Cyclogram, which is obtained through algorithmic calculation rather than empirical approximation, enables the complete movement of the transfer system to be precisely defined from the quotation stage.

Added value:

- Real cycle optimisation and increased productive SPM.
- Elimination of downtime through precise press-transfer synchronization.
- Faster, more stable and predictable commissioning.
- Elimination of collision risks from the design stage.

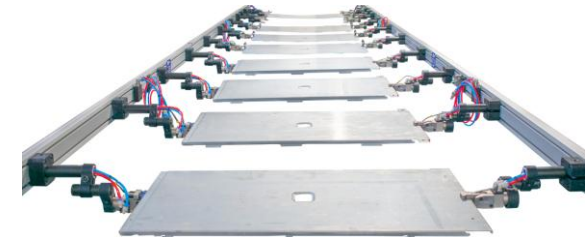


Reusing pincers to save costs

This significantly reduces the total cost of the transfer system by an estimated 22–28% by making use of components that have already been amortised.

Added value:

- Major reduction in investment costs.
- Longer working life and guaranteed reliability.
- Fewer stoppages and better use of existing resources.



Commissioning for maximum production from day one

A controlled, structured and reliable commissioning service designed to validate the correct operation of the transfer and achieve maximum production.

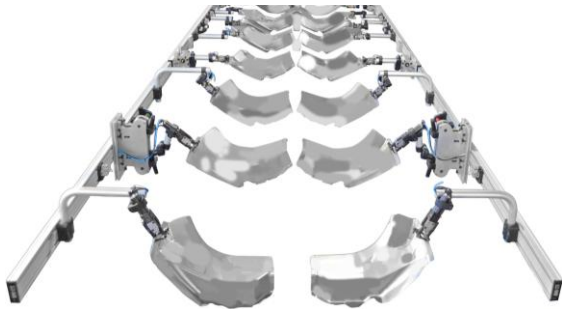
Added value:

- Achievement of maximum actual production.
- Process stability.
- Reduced press downtime.
- Trained and self-sufficient teams.

Result: Identification of critical points and their resolution through simple, robust processes.

3. Services to Improve Production

👉 **Objective:** To optimise existing production processes.

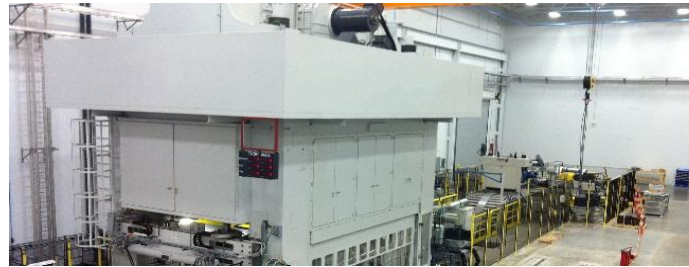


Production improvement through image analysis

Identification of production-limiting incidents through detailed slow-motion frame analysis, facilitating accurate diagnosis and corrective action.

Added value:

- Significant productivity increase.
- Higher process reliability.
- Very fast return on investment through implemented improvements.



On-site consulting for transfer stamping processes

Comprehensive analysis of the press, die and transfer system, including a technical report, prioritised recommendations and ROI estimation and OEE efficiency assessment.

Added value:

- Increased productivity and profitability.
- Complete technical diagnosis with specific actions.
- Low-cost improvements with high return on investment (ROI).



How can we measure the real efficiency of the transfer stamping system?

Service that measures the actual efficiency of the press–die–transfer setup, identifies hidden losses, and increases productivity by optimising the transfer system without the need to replace the press.

Added value:

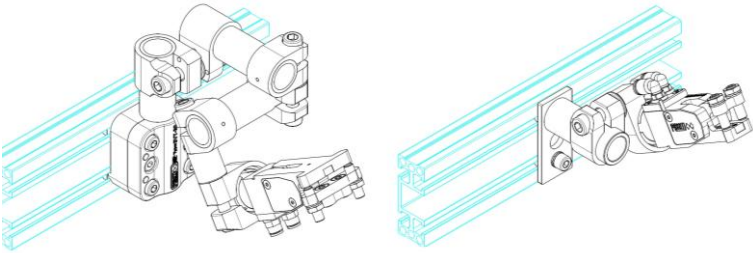
- Objective vision of the real efficiency of the system.
- Technical and economic justification of improvements.
- Maximum reliability and productivity without replacing the press.

Result: Increased actual production, reliability and profitability of existing systems.

4. High Strategic Value Services



👉 **Objective:** To transfer knowledge and create autonomy.



Simplification and cost reduction on transfer projects

Technical review aimed at optimising components, reducing adjustment times and costs, and increasing the overall productivity of the system.

Added value:

- Simplification of assemblies.
- Direct reduction in investment.
- Better system stability.



Misati Training courses

Theoretical and practical training in transfer stamping processes covering the fundamentals, components, processes and troubleshooting, aimed at developing true technical autonomy within teams.

Added value:

- Autonomy to develop in-house applications.
- Ability to resolve incidents.
- In-depth knowledge of transfer technology.



Misati Conferences

A space for sharing applied knowledge through real-life examples and insights into technological trends, aimed at stamping and automation managers.

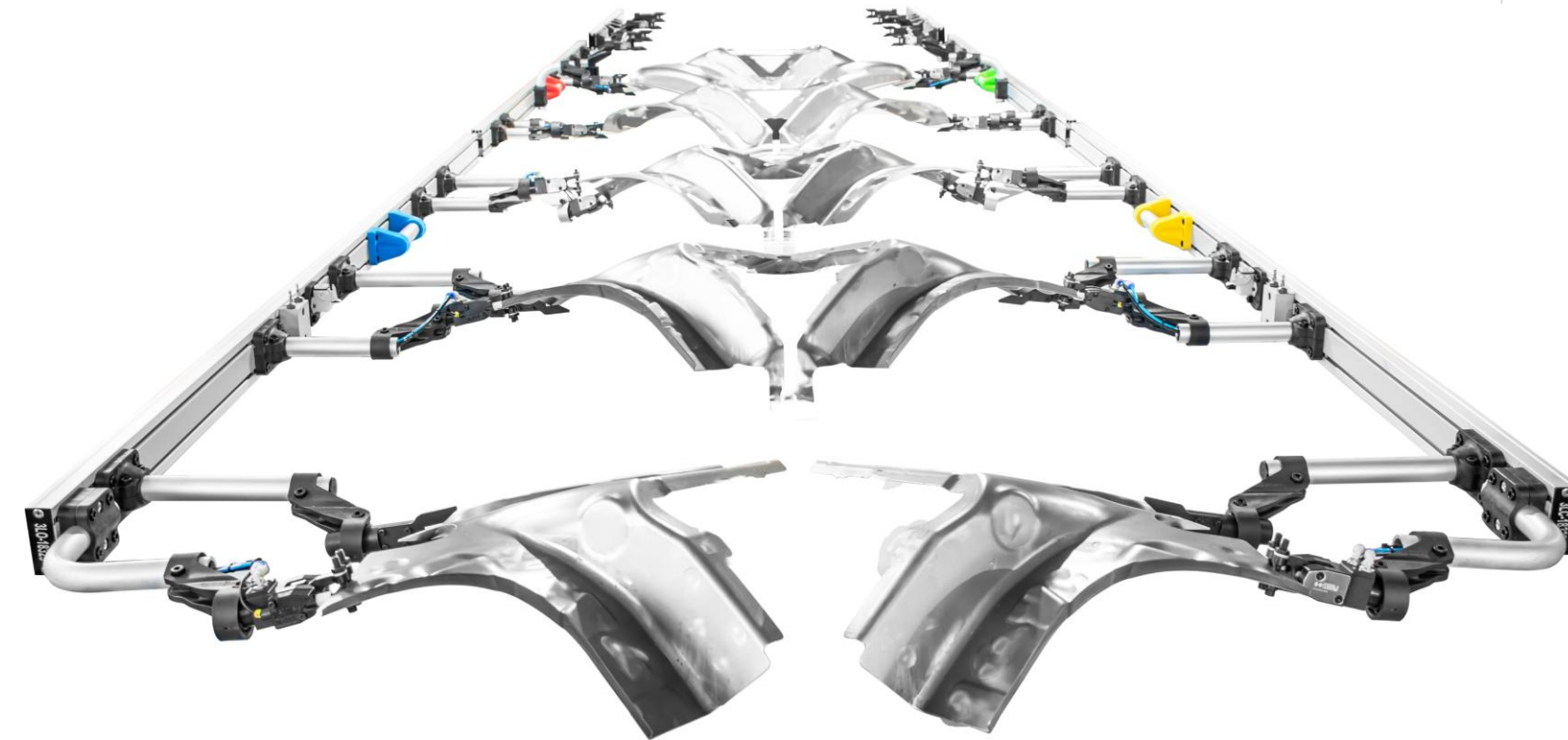
Added value:

- Access to cutting-edge information.
- Knowledge exchange with industry experts.
- On-site detailed explanation of Misati solutions.

Result: Trained and self-sufficient teams, more profitable projects.

Misati Services Handbook

Productivity, reliability and return on investment in transfer stamping processes



This handbook is not a catalogue of isolated services.

It is a **structured methodology** to ensure that every technical decision contributes to:

- Higher productivity
- More reliability
- Better return on investment