

# CAMPUNCH.X

**salvagnini**

# METALNEST.PRO

## WHAT?

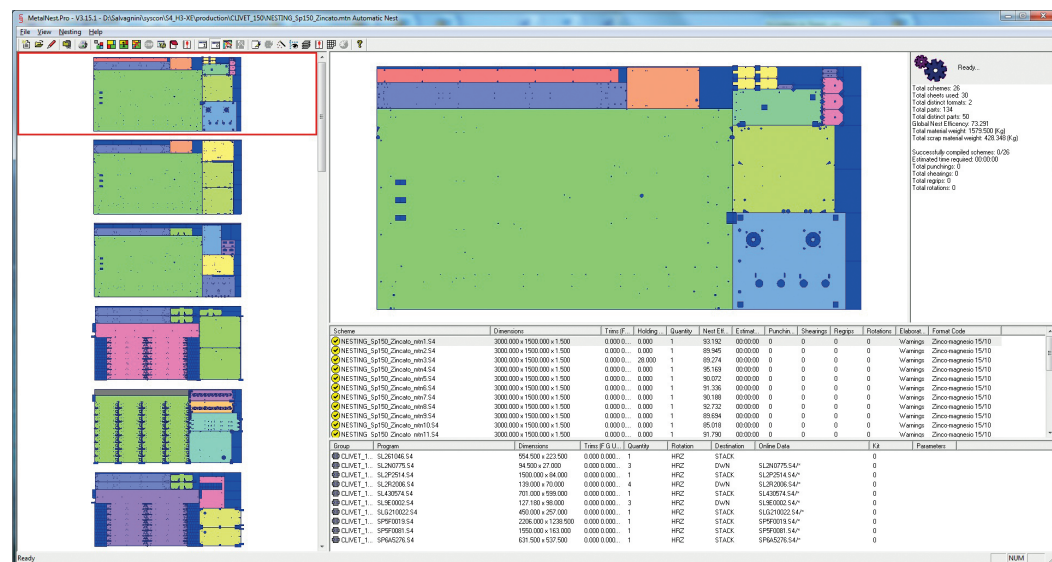
- Software for nesting programs for the Salvagnini punching systems.

## WHERE?

- On all the Salvagnini S4 programming stations.

## WHY?

- It allows nesting operations to be manually and automatically managed.
- It guarantees flexibility in production changeovers and optimizes machining sequences.
- It reduces production time and scrap.



# SIMULX

## WHAT?

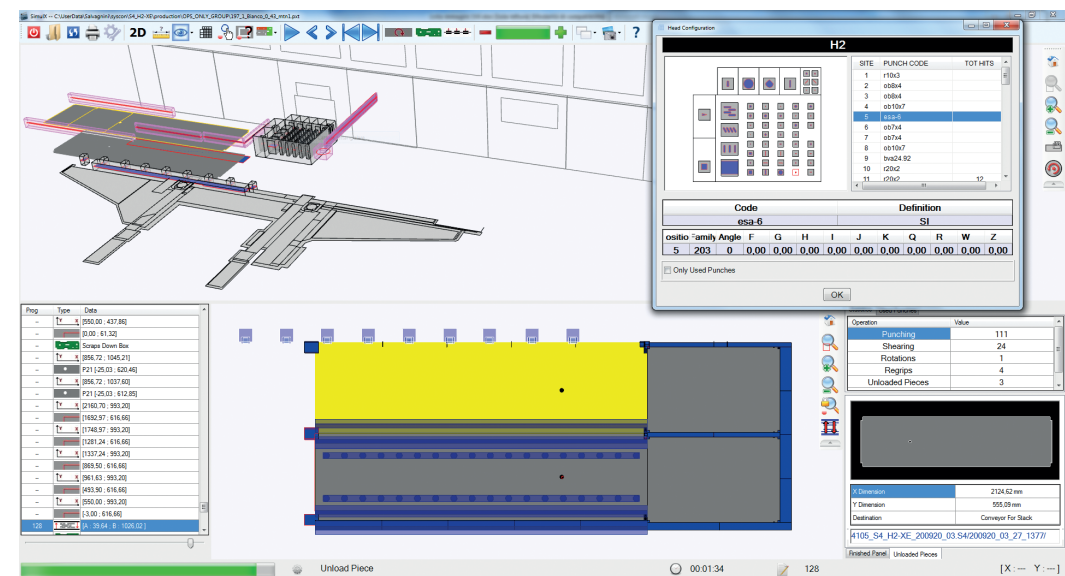
- Software for the preventive check of the machining cycle of programs for the Salvagnini punching systems.

## WHERE?

- On all the Salvagnini S4 / S2 programming stations.

## WHY?

- It allows the 2D/3D simulation of the real movements of the system.
- It guarantees an accurate part check by means of dimensional analyses.
- It reduces the possibility of production errors.



# OPTIHEAD

## WHAT?

- Software for the automatic definition of the head configuration in the Salvagnini punching systems.

## WHERE?

- On all the Salvagnini S4 / S2 programming stations.

## WHY?

- It allows the head configuration to be automatically defined considering the production to be carried out.
- It guarantees the optimization of the punching head configuration.
- It reduces system setup operations.

The screenshot displays the OPTIHEAD software interface, which is used for defining and optimizing head configurations for Salvagnini punching systems. The interface is divided into several sections:

- Programs Set:** A table showing the selected programs and their multiplicities.
- Tool Moves:** A section showing the tool moves for the selected programs, including a grid of tool icons and a list of tool moves.
- Optimization Results:** A table showing the original time, new time, and gain for the selected programs.

**Programs Set Table:**

Group	Program	Multiplicity
OPS_ONLY_GROUP	702_2_Bianco_0_43_mtn37.S4	1
OPS_ONLY_GROUP	703_2_Bianco_0_43_mtn38.S4	1
OPS_ONLY_GROUP	704_2_Bianco_0_43_mtn39.S4	1

**Tool Moves Table:**

Program	Original Time	New Time	Gain
704_2_Bianco_0_43_mtn39.S4	121	119	1.65 %
703_2_Bianco_0_43_mtn38.S4	157	155	1.27 %
702_2_Bianco_0_43_mtn37.S4	156	148	5.13 %

**Optimization Results:**

Gain 2.76 % 12 Seconds Saved

Optimization Completed