



SI[CAM]

Enhance your most important value



SI[CAM]

Nesting and CAM programming software for sheet metal cutting and punching machines

SI[CAM] enables you program any CNC sheet metal cutting machines.

SI[CAM] manages any cutting technology: laser, oxyfuel, plasma, water jet as well as punching and combined machines.

SI[CAM] matches specific technological parameters during each step of the programming stage: from designing to NC code, ensuring highly accurate nesting operations and machining paths.

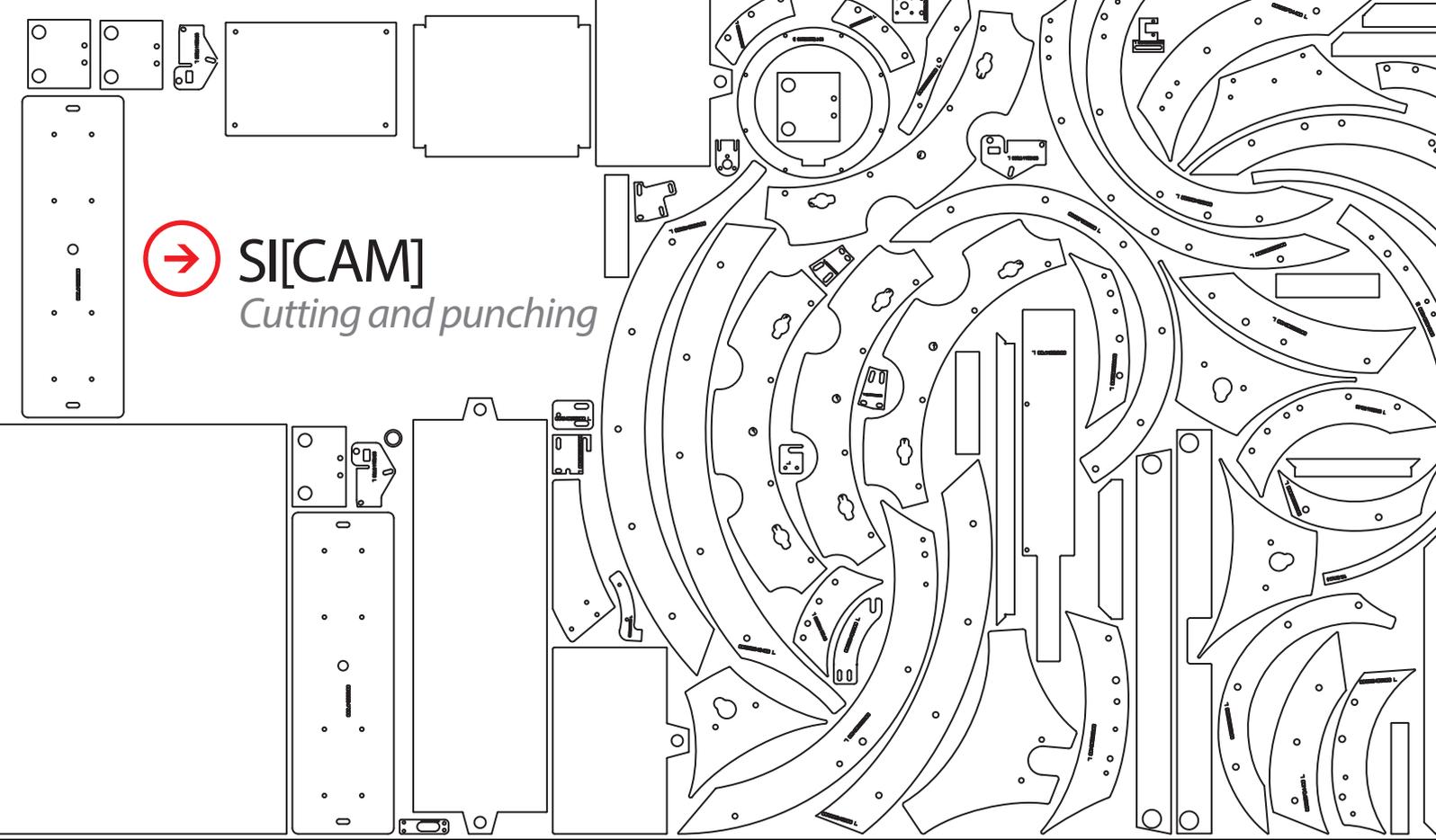
SI[CAM]'s main features:

- Incorporates 2D CAD designing functions
- DXF™ files multi-import tool
- Manual or automatic positioning ensuring highest scrap reduction
- Realistic simulation of cutting path
- Time calculation for each working cycle
- Management of special and standard tools
- Automatic or manual management of safety zones for clamps and tools
- SI[CAM] automatically optimizes the cutting path avoiding possible collisions
- Automatic creation of post-processor with possibility to interface over 600 machine tools



SI[CAM]

Cutting and punching



Importazione file esterni.

It is possible to import multiple files, in different formats, such as DXF™ and DWG™ and make them immediately usable for cutting or punching.

SI[CAM] offers automatic optimization of profiles and dimensioning of geometric elements.

Reduced programming and machining time.

SI[CAM] optimizes cutting paths for all different cutting technologies (multitorch for oxyfuel, common cut, low/high head for laser, etc.).

Moreover, SI[CAM] ensures best cutting quality by applying specific tables and parameters for each technology: lead-in handling, laser and speed power, amperage for plasma, etc.

It is possible to operate manually to change working procedures thus optimizing overall processing times.

SI[CAM] automatically applies specific cutting rules for different materials and thicknesses.

Manual and automatic nesting.

SI[CAM] allows you to position parts manually through its interactive collision control.

It is also possible to set automatic part-by-part positioning.

The nesting algorithm allows you to generate positioning basing on the number of torches.

Minimum scrap.

The SI[CAM] nesting algorithm optimizes use of material, reducing scrap to a minimum.

Exceeding material, resulting from previous jobs, can be easily used again: in fact, SI[CAM] allows positioning on non-rectangular sheets.



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Punching

Tool handling

After validating the positioning operation, it is possible to generate automatic, semi-automatic or manual working rules applied to the parts.

SI[CAM] offers full compatibility with tools of any shape and handles different special tools, such as:

- drilling tool
- counterbore tool
- threading tool
- mill cutter
- mill cutter
- deformation tools
- SI[CAM] also handles indexed rotating working tools.

Working rules integrate the concepts of: automatic lead-in, micro-joints, common cut and bridges techniques.

Working rules editor and optimization.

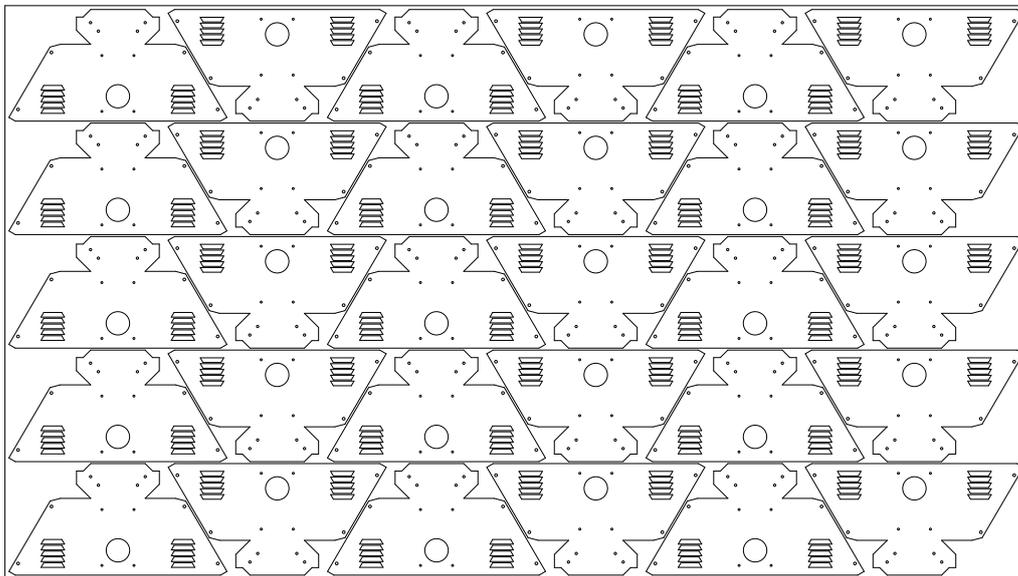
It is possible to change, at any moment, cutting and punching working rules: an integrated editor enabling the optimization of tool head paths, either automatically or manually.

SI[CAM] permette inoltre la rotazione dei posti di lavoro indicizzati.

Handling of sheet loading/unloading systems.

SI[CAM] successfully automates:

- handling of cells and automatic warehouses handling of grip tools of any
- shape and dimension, used to unload parts or scrap sheets
- control of suction pads, magnets and forks for pallet unload.



600+

SI[CAM] can be interfaced with any kind of machines. Nowadays more than 600 units have been interfaced.

AIR LIQUIDE - CORI - PICEP - ANCORA - BALLU - BBS - BEHRENS - BEYELER - GTI - CARBONINI - CBM - CBR CUTTING - SOITAAB - COLGAR - COLGAR/CISMA - COMMIL - ADIGE SALA - CR ELECTRONIC - CR MACCHINE - MITSUBISHI - CRE MACCHINE - PRIMA POWER - EUROMAC - TRUMPF - AMADA - FIM - FINN-POWER - GHT - BYSTRONIC - GASPARINI - IMAL - ITEK - JESCO - SALVAGNINI - LVD - MAZAK - LASERDYNE - LASER LAB - LASER WORK - MECOS - MESSER GRISHEIM - CUTLITE PENTA - MUELLER OPLADEN - NEPPAS - NISSHIMBO - OMES - NOVA STILMEC - DARLEY DURMA - RAINER - RASKIN - RAVASI - REZA - RTM - SAF - JI NAN - CLUSELLAS - STRIPPIT - FARINA - VIMERCATI - WAPCOM - WHITNEY - WIEDMANN - ZINSER

+12.000 

Il numero di clienti soddisfatti nel mondo.

60 

I paesi nel mondo in cui siamo presenti.

16.125 

Il numero di licenze vendute nel mondo.

29.654 

Il numero di macchine interfacciate.

70 

I professionisti,
tecnici e analisti programmatori
al servizio del cliente.

100%

Soddisfazione del cliente garantita.

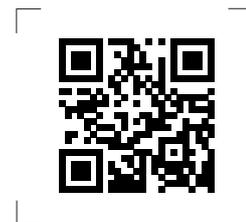


I nostri partner:
Rivoira
Prima Power
Microsoft
molti altri.



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