



Advantages of the coil-
processing concept

with PRODUTECH lines



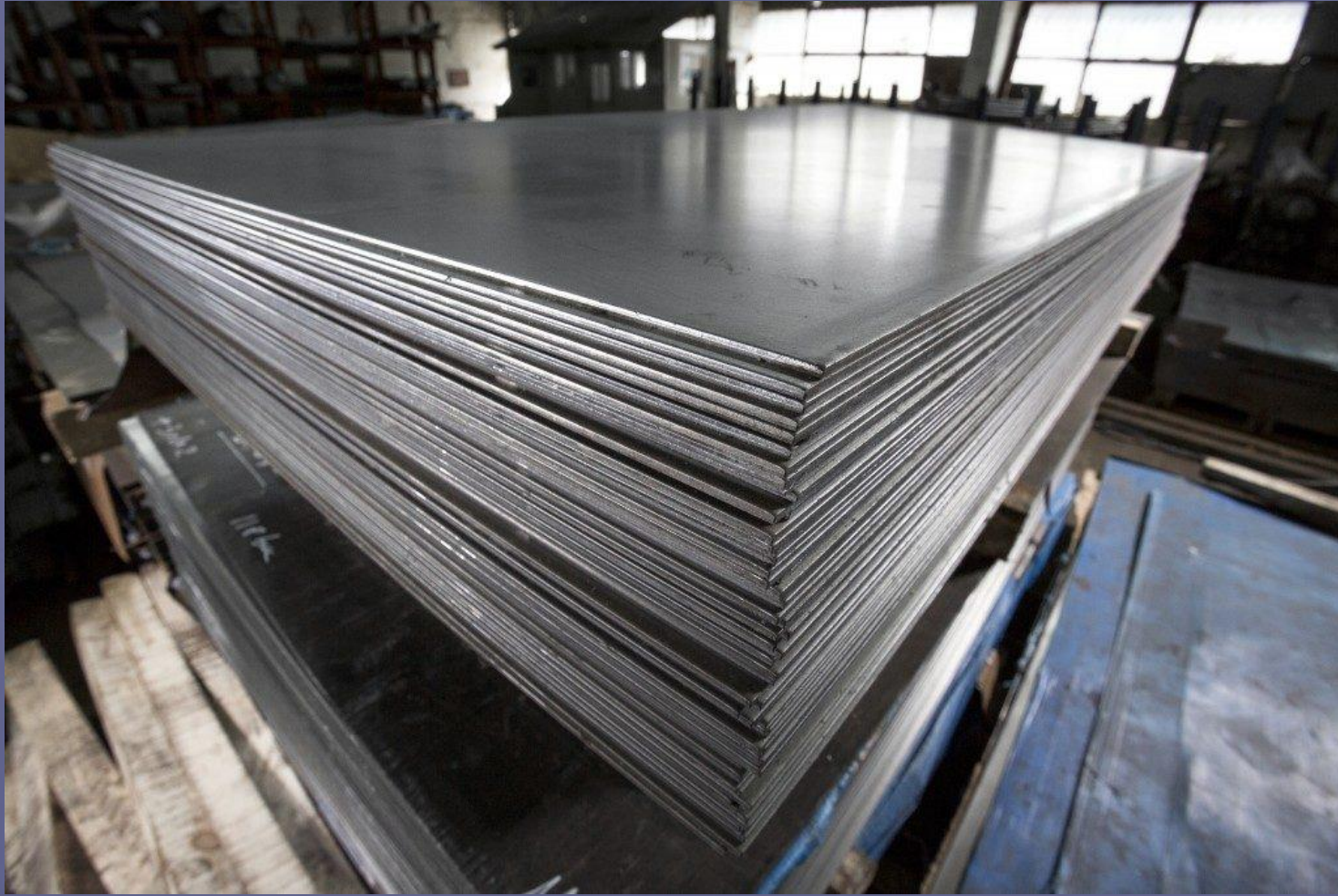
Lower raw material cost

It is possible to buy metal materials at convenient prices, due to the fact that producers buy coils instead of sheets



More stock space savings

It is possible to optimise the stock space, because it is not necessary to stuff pallets with different-sizes metal sheets. Coils save space



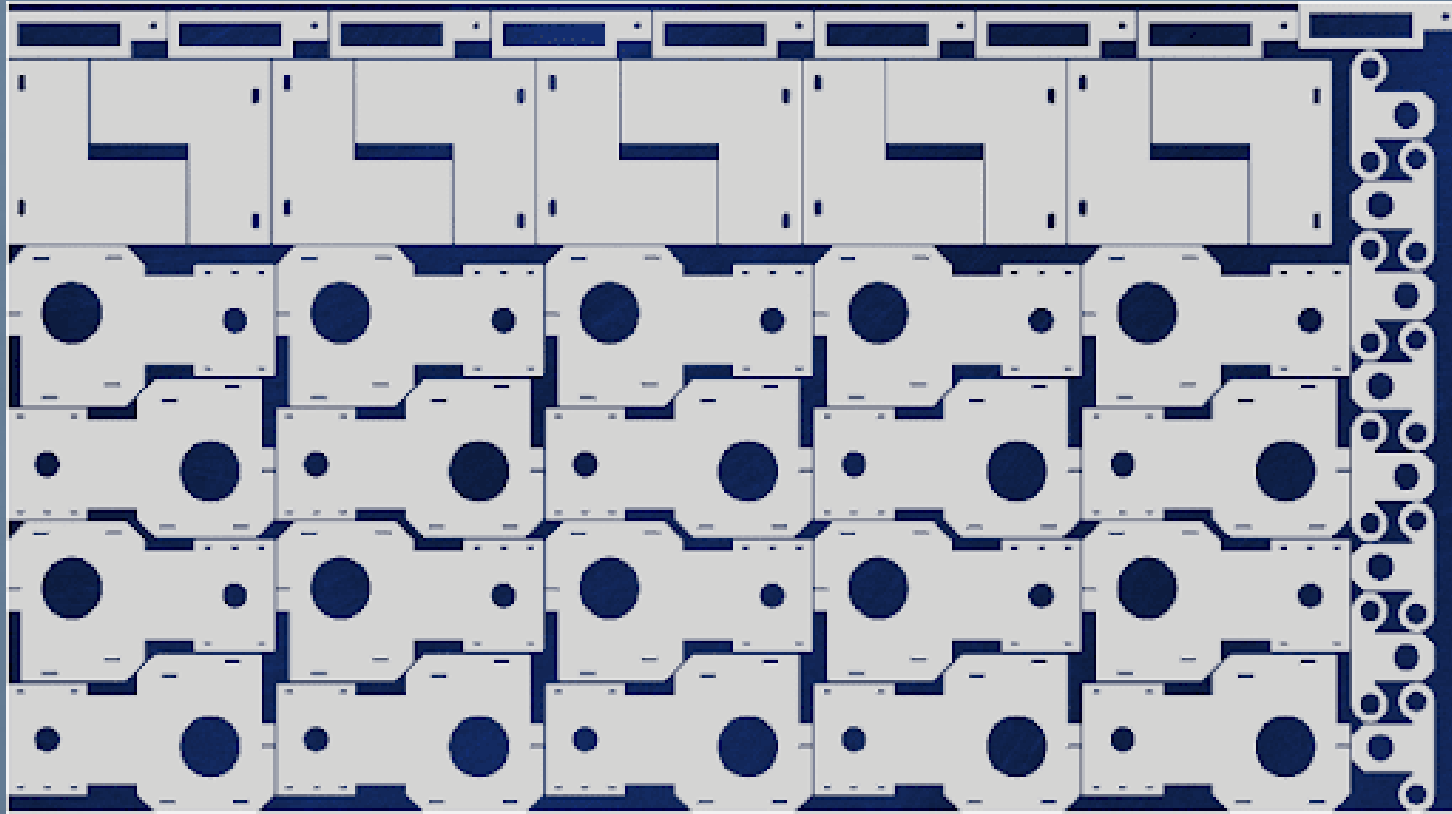
No sheets loading

No additional lines are needed for automating metal sheets loading onto the laser or punching machine: *Produtech* lines are continuously fed with coils, so it is possible to obtain parts with different shapes and sizes



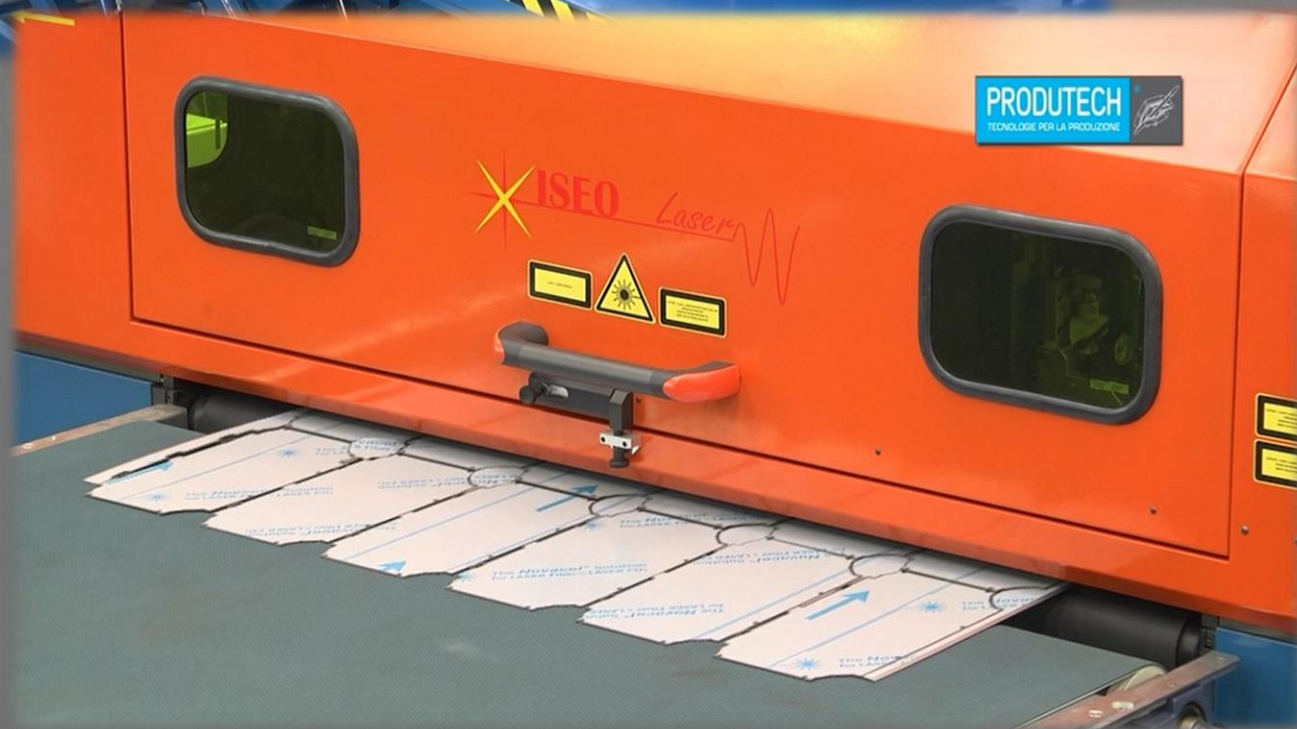
Long parts

It is possible to create workparts as long as you need with no difficulty



Nesting

It is possible to cut all the parts of an order by positioning them along the coil width through some nesting programs, without length limits. Then, it is possible to obtain considerable raw material savings (up to 20/30%). Coils allow to optimize the use of the raw material, avoiding the head and tail waste of the sheets and reducing metal consumption (with consequent economic savings).



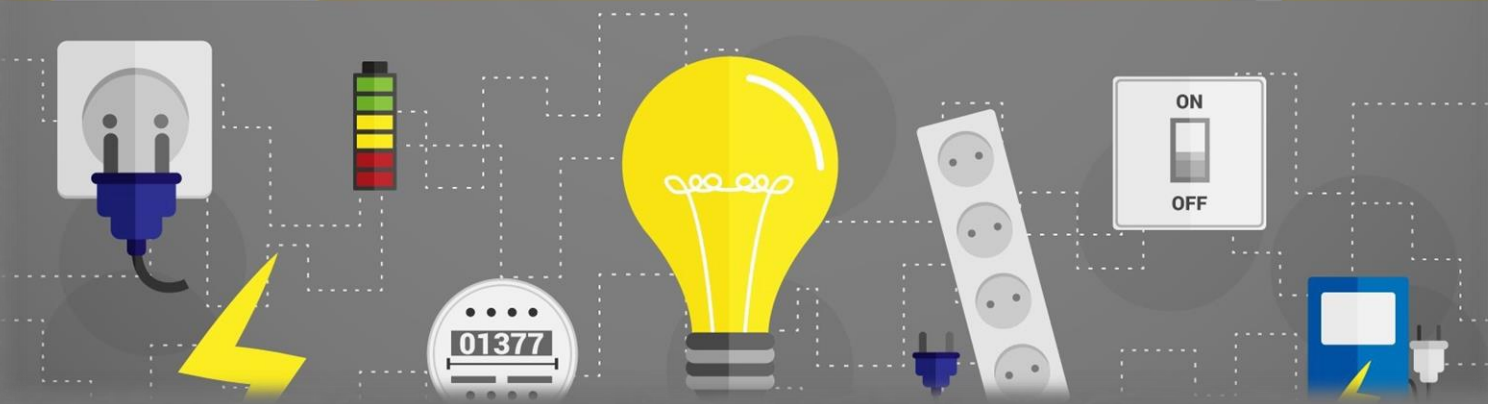
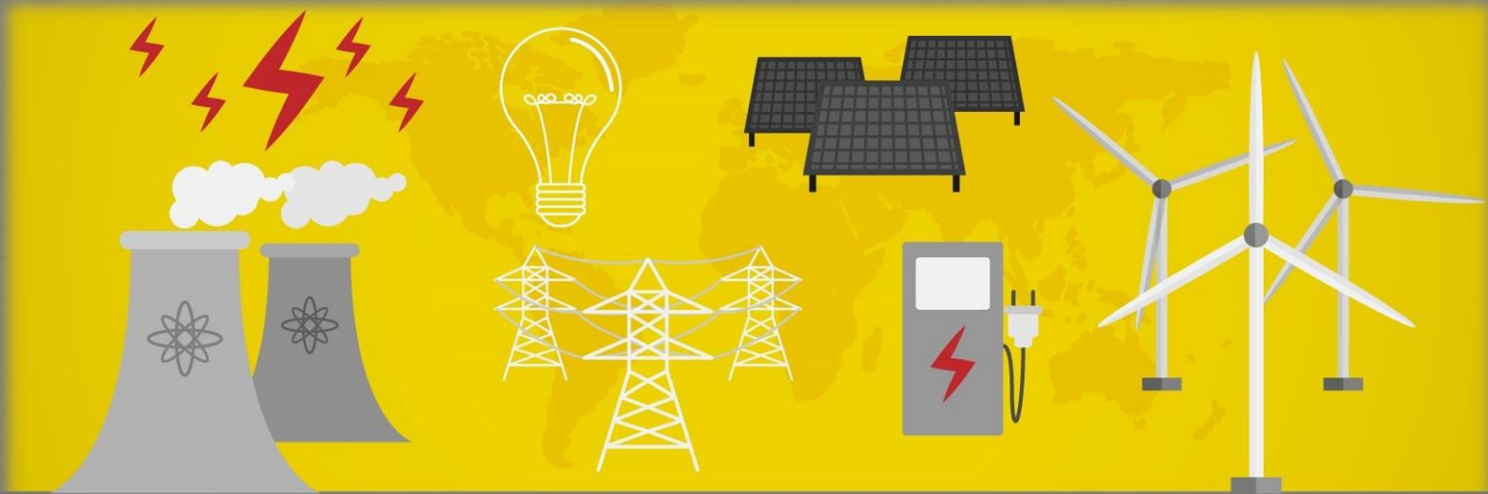
Finished parts unload

The finished parts unload is made with no necessity of complex automation lines, because the motorised rollers after the working heads allow to unload the produced parts – even small-size parts without micro-junctions – onto a collecting area.



Reduced necessity of maintenance

Maintenance is reduced to its lowest levels, because motorisation is made possible by linear and torque motors with no mechanical transmissions (chains, belts, gears, etc.), so with few wearable components



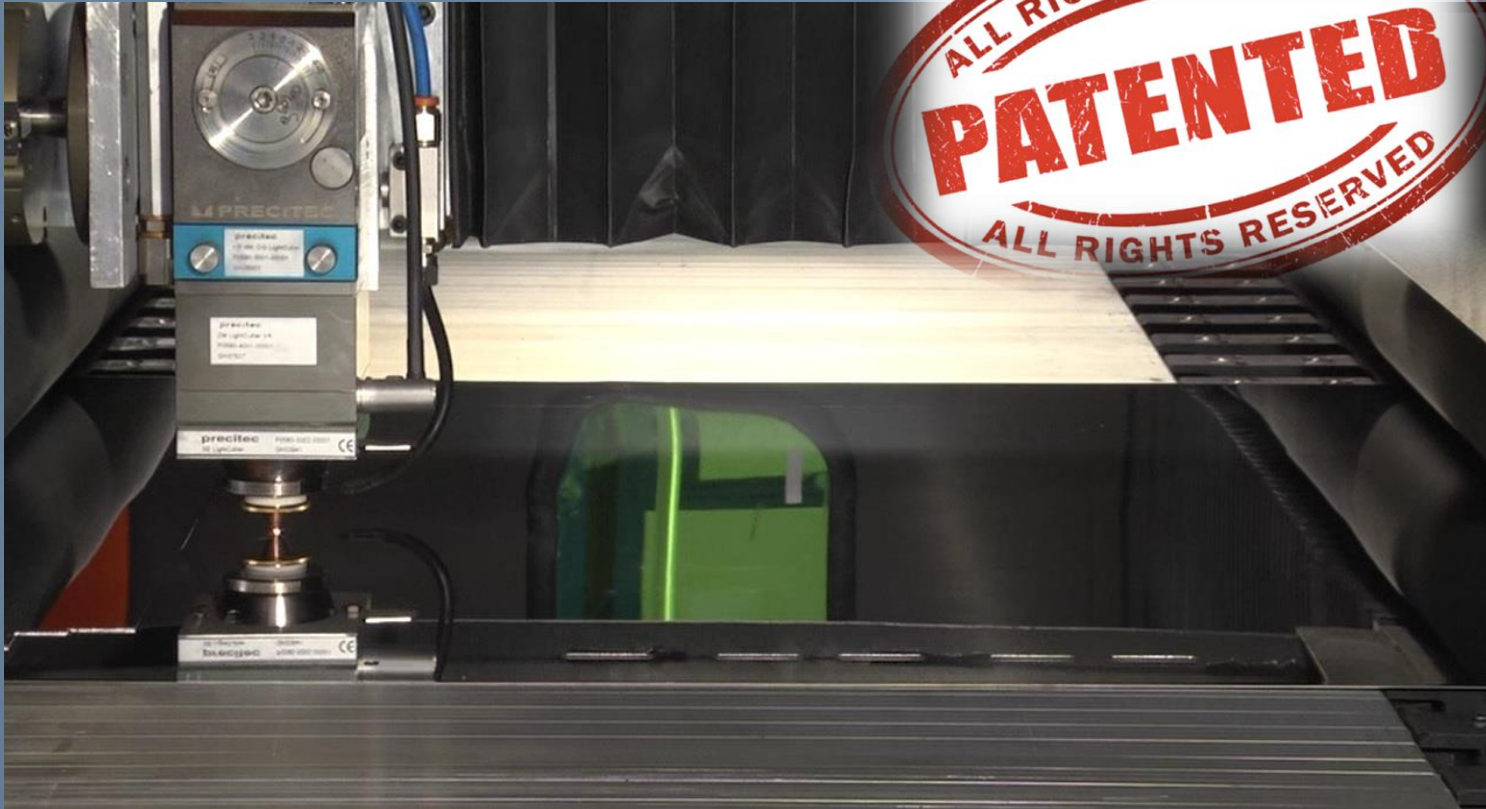
Reduced energy consumption

Fiber laser sources and electric punching machines keep a low level of energy consumption. With an optimum environmental compatibility. The CO₂ emissions and the hydraulic oil use are eliminated



Fast coil change

Coil change is carried out in a few minutes, through suitable equipment and good coordination



International patents

The experience accumulated has allowed Produtech to know, face and optimize the coil processing, this experience guarantee an extreme reliability in the process management. Some of the competitors are proposing cut to length lines to feed traditional sheet processing systems, so they are not automatic coil lines and almost all the advantages of the coil processing previously explained are lost.



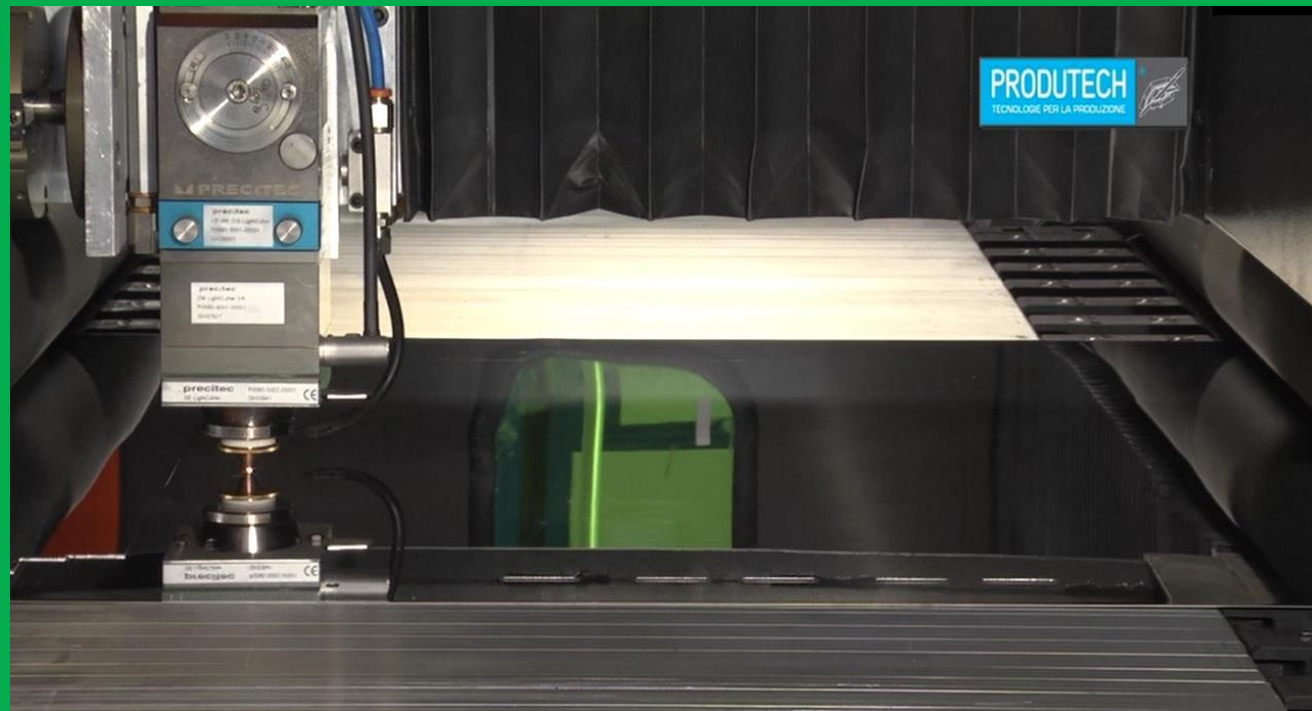
Reduced overall dimensions

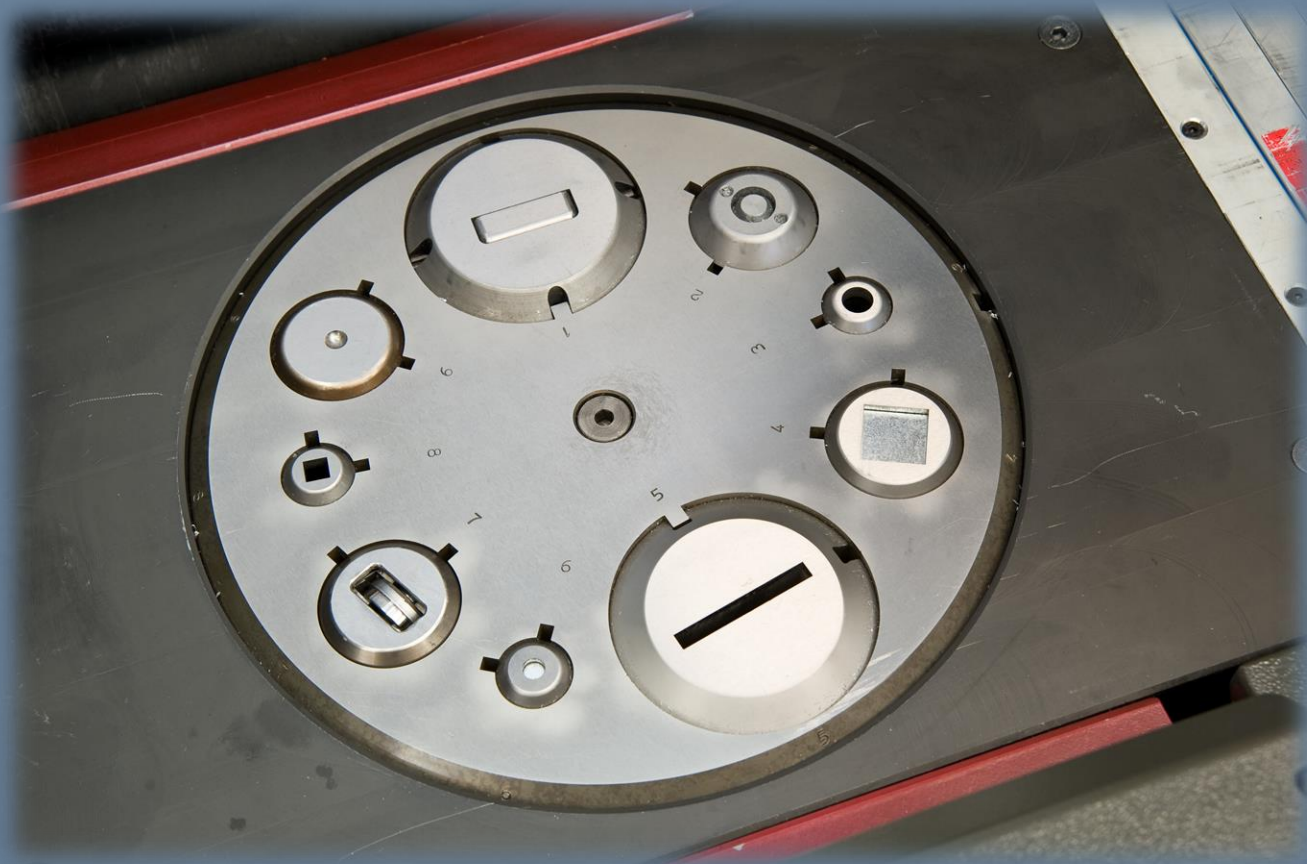
Produtech lines are designed with the aim to save as much as possible the space taken in the factory. The international patent of invention about the punching heads allows Produtech to obtain a fast and flexible punching machine, with all the tools indexed, that is able to process wide coils (up to 1500 mm or more) without introducing two working heads, but using just one. This means lower costs to set up the working head that is able to realize all the machining operations with a really small number of tools



Absence of support slats table

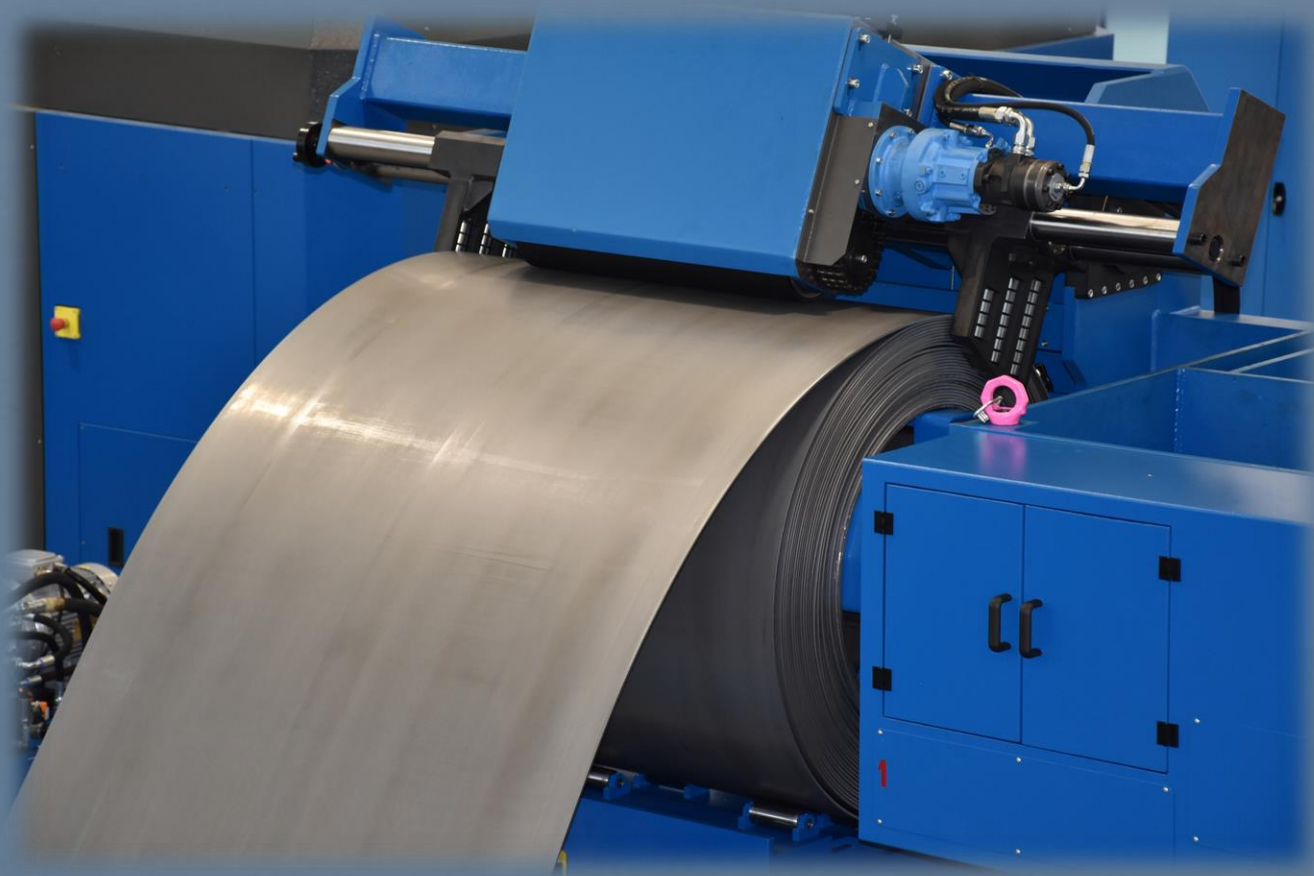
The international patents of Produtech, that include the small fume extraction unit moved in synchronism with the laser cutting head, allow to move the sheet on a smooth surface, there is therefore no risk of scratching the sheet and problems related to the support slats system are solved, for example the overturning of the small parts is not happening on Produtech system , and the expensive maintenance and the substitution of the slats is no longer required





Rotary tools (indexed)

Electrical punching machines produced by Produtech, with different tonnage, have the chance to manage tools (punching tools and wheel tools), that are all indexed, giving a perfect production flexibility



*Different materials,
thicknesses and
widths*

ProduTech lines can process
different materials with
thickness from 0.3 mm up to
6.35 mm