



Our oldest department, the Engineering division, deals with classic design engineering tasks. Over the years, our team has proven its ability to effectively solve various mechanical design tasks in almost every field of industry.

Engineering Solutions

Design and development in the automotive Industry

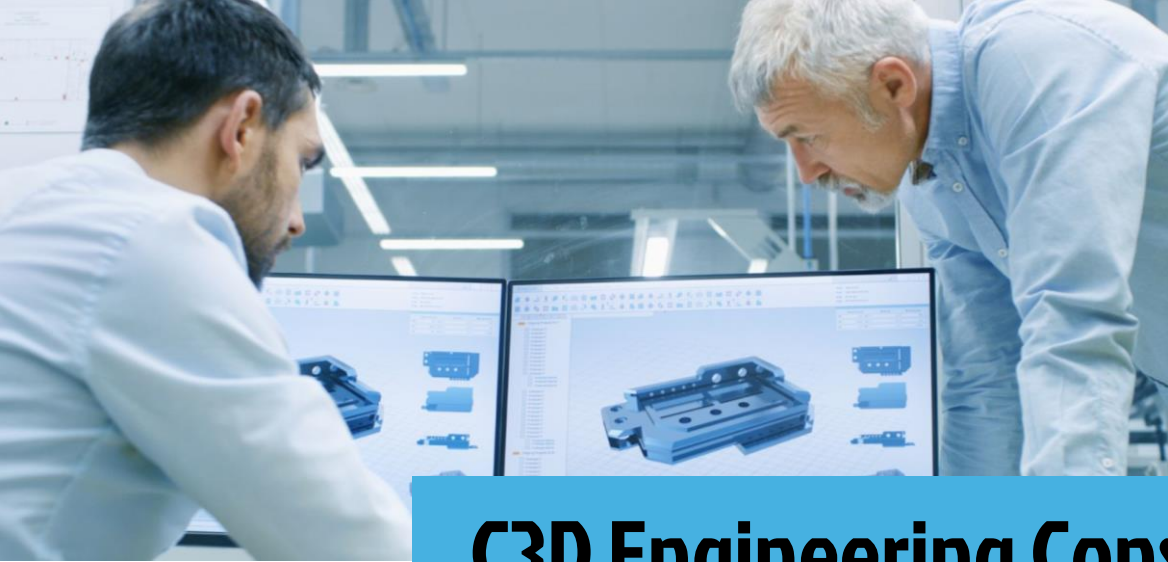
The majority of our engineering projects over the years have helped one of the fastest growing industries, the automotive industry, to meet the challenges of our time. Our tasks have covered not only the ever-evolving automotive industry, but also the railway industry, which is experiencing a renaissance and becoming more environmentally compliant in all aspects.



Development in agriculture

The challenges we face in developing agricultural machinery and its accessories are completely different from those in developing transportation vehicles. Our engineers excel in a wide range of technical consultancy, from designing machines and products to provide engineering support for applied technologies.





Quality and information security

We are certified to ISO 9001:2015 for quality assurance and ISO 27001:2023 for information security.

C3D Engineering Consultant Ltd

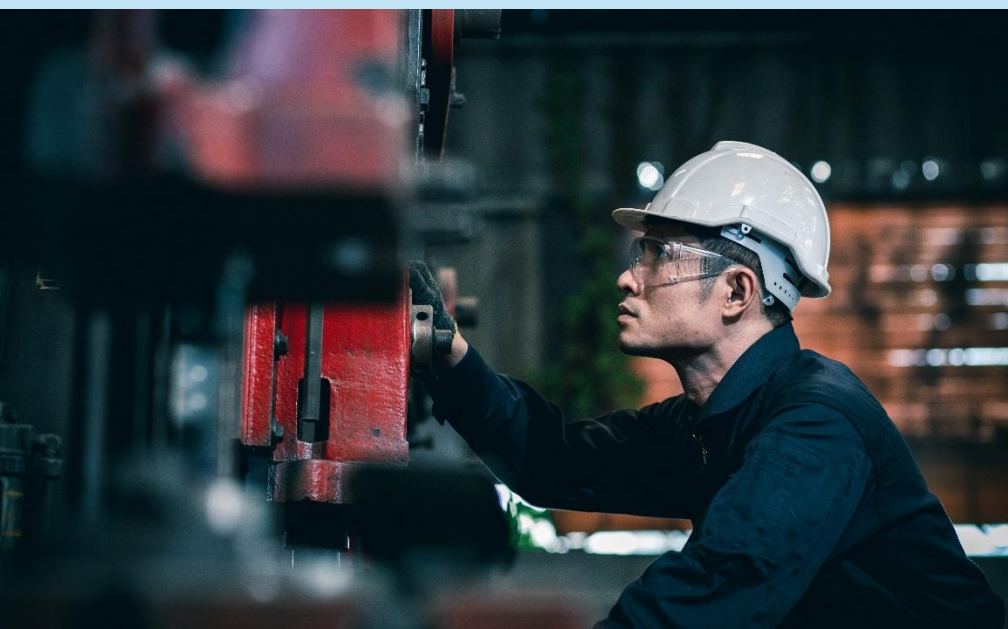
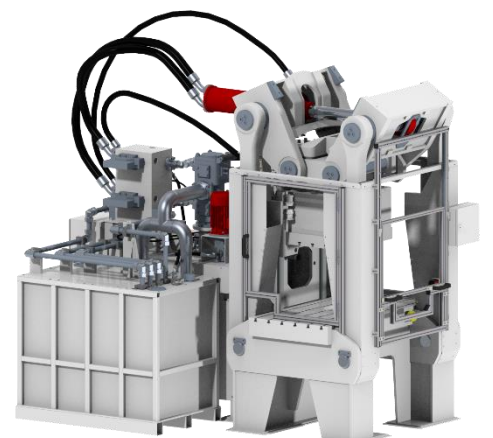
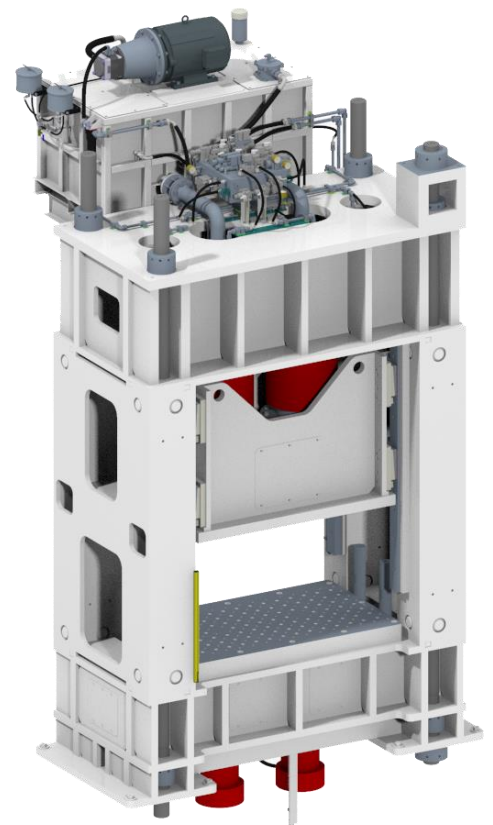
Outsourcing

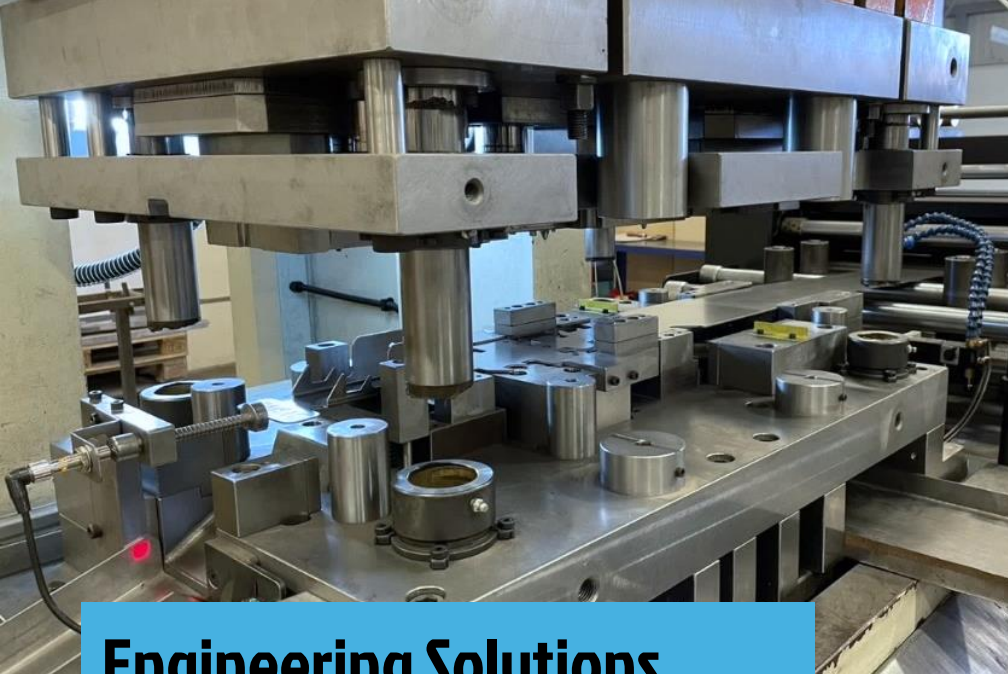
The outstanding expertise of our colleagues allows us to not only participate in specific design and development projects, but also to be available to our partners as an interim engineer. In our partnerships, our aim is to provide the best solution for our partners' specific needs, whether on-site or remotely.

Custom machine development

Some of the challenges of the past decades have not only defined the longer or shorter periods of our engineers' lives, but also remembered years later for the challenges encountered in the tasks they solved, as well as the often brilliant solutions they provided. Some of the custom machines that our engineers have developed, which enhanced the reputation of our company:

- ☐ hydraulic presses
- ☐ semi-automatic feeder for plasma cutter
- ☐ vaccine harvester
- ☐ mechanical wave generator

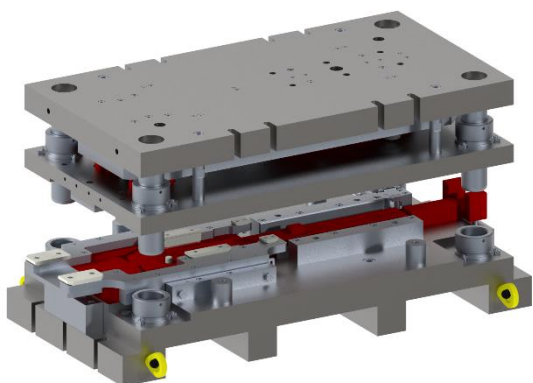
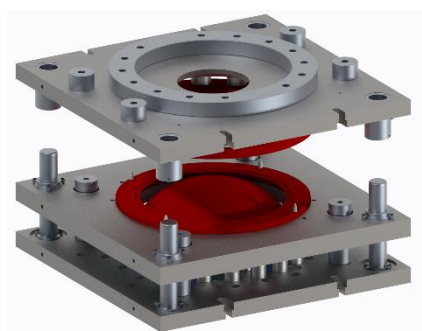




Engineering Solutions

Design and construction of milling and measuring fixtures

We have been working with our partners for many years to design a wide range of cutting, laser cutting, measuring, clamping and positioning equipment. In our press plant, we can also manufacture these devices with short deadlines and flexibility. What we are proud of: we stick to our lead times under all circumstances!



Design and construction of cold forming tools

Based on our experience in sheet metal processing, as well as on projects carried out in cooperation with our own press plant, we design and manufacture various bending, deep drawing and punching tools. Based on feasibility tests, we decide which tool is best suited to our partners' needs. During the final step, we also prepare the tool for series production.

Product development

Our engineering office is also involved in the development of custom products. These are our most special projects, since we are involved in every detail from the idea, through every small moment of realization, to the final fine-tuning. We receive enquiries from not just the industry, but from private customers, and after careful consideration, we work out the details of development and production together with the idea owner. This segment is not always about outright success — sometimes the idea isn't worth pursuing, or even possible at all. In light of this, we present some of these projects.

Gas filling kiosk



In the spirit of digitalization, they have contributed to the proliferation of various automatic dispensing devices with the mechanical design of a filling station. The machines built years ago, are still serving their customers and their cars without any problems.

Active office chair



One of our pride and joy is our patented active office chair. By moving the seat and backrest at given intervals, the health risks of a sedentary lifestyle can be drastically reduced.



References

In recent years, we have worked with key players in both Hungarian and international industry, as well as domestic small and medium-sized companies. Without wishing to be overly presumptuous, these have been our most important partners in the past years:



BOSCH

TEQBALL
WORLD IS CURVED



komax

CLAAS



EUROPEAN
SPALLATION
SOURCE



KNORR-BREMSE

**SIEMENS
energy**

Teamwork and development

Our company give priority to supporting the professional development of talented young mechanical engineers and are committed to developing the engineers of the future in all areas of mechanical engineering to the satisfaction of our customers. The pillars of our engineering team are our senior engineers, who mentor their young colleagues in the team, both professionally and personally. Our team consists of:

- ☐ 3 senior engineers
- ☐ 3 experienced design engineers
- ☐ 2 junior engineers



Engineering

Márk ARANYOSI, Head of Engineering

Our aim is to provide engineering services that will stand the test of time in our changing and constantly evolving world, and demonstrate the professionalism, determination, and ambition of our engineers.

For more information, please contact
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