



Nowadays, manufacturers in several industrial areas are facing relative small lot sizes, and a wide variety of product types. NOVEXIM Industrial Automation Systems represents the ideal and reliable solution for these problems. We apply the experience gained from realized applications including design, development, manufacturing, assembly and installation.



### Integrated Systems

We offer turn-key solutions for your technological problems, such as custom made equipment: rotary indexing tables, assembly lines with conveyor systems for the automotive, electrical and machine industry. We also offer clean room technology. Our references can be found in Europe, Asia and America. Our main customers are: HALDEX, DENSO, GE, KNORR BREMSE, JABIL etc.



### Special Machinery

Our main field of activity is to develop and design dedicated machines, to provide tailor made turn-key solution for our partners. We have developed several solutions for measuring and testing equipment, such as Leak Testers, Force Measurements, etc. We also produce Industrial Cleaners, Washing Machines, which can all be integrated into complex systems.



### Industrial Robots - Industrial Vision Systems

Handling, picking and placing the parts are realized by pneumatic manipulators and industrial robots from FANUC, TOSHIBA, SMC. The flexibility of these modules provide an advantageous background for any automation project. We can widen this flexibility by integrating Vision systems in robot-cells KEYENCE, OMRON, Scorpion Vision.



### Assembly Systems

Automated assembly processes like screw driving, riveting, pressing, welding, ultrasonic welding are widely used in assembly systems. We integrate and install modules of world leading manufacturers: BOSCH-REXROTH, STÖGER, CORETEC, BALTEC, ATLAS-COPCO, DEPRAG.



### Transport Systems

Manual assembly workplaces are designed according to ergonomic principles. In order to connect them we design and build chain-, roller- and belt-conveyor lines based on BOSCH-REXROTH elements. Applications: assembly lines, material handling, packaging technologies, logistic systems.



### Feeding Systems - Vibratory Feeders

We provide complex solutions for feeding, orientation and positioning of small sized unoriented parts using vibratory feeders. The technologization of bowl feeders is based on our professional technical competence, using AFAG, OKU, TUMAC units.



## Dedicated Machines

In production there is always a need for unique, custom made machines because of the large variety of the components. During the development of these machines, dedicated design, experimenting and technical creativity

are very important factors in achieving your goals. Our professional staff of engineers and technicians have an experience of over 25 years in machine design and manufacturing.





## Assembly Systems

Automatized assembly systems, assembly lines, automatic indexing assembly machines are working mostly in mass production. The small lot sized product manufacturing problems can be solved with flexible, robotic assembly systems. During the design phase

we solve such assembly problems as screw driving, riveting, pressing, welding, ultrasonic welding, lubricating, gluing. We integrate and implement well-known products from various manufacturers: Bosch, Atlas Copco, Stöger, Deprag, Baltec, Omron, Festo, SMC, Toshiba.

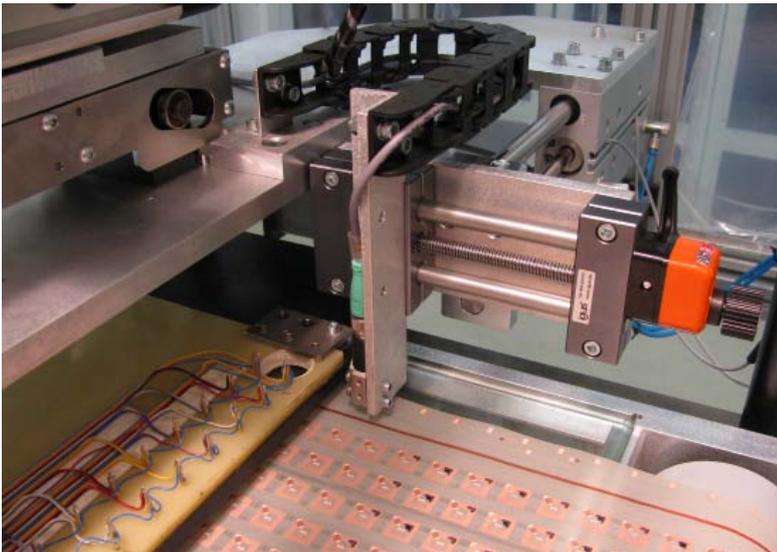




## Test Machines

Quality control is an integral part of a complete production process (such as Poke-Yoke), and the end product often has to be inspected and tested in a separate stage.

This can be a simple functional test, or the testing of a physical or electric parameter such as: leak test, resistance measurement, force measurement, noise measurement etc.

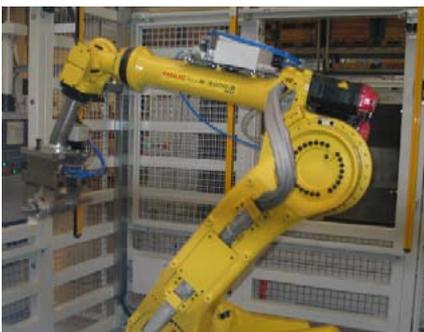
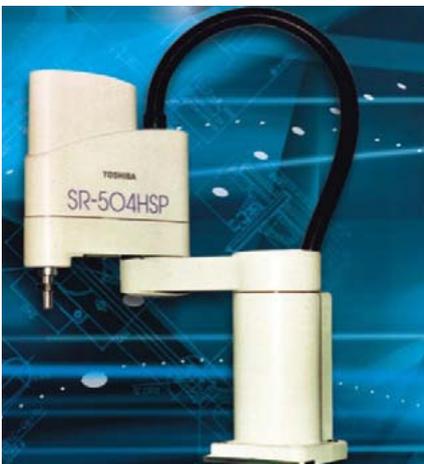




## Industrial Robots

On the assembly lines the positioning of parts is done by industrial robots and pick & place units equipped with intelligent end effectors and grippers. We design and build such systems from Bosch-Rexroth, SMC, FESTO, FANUC, TOSHIBA, and other manufacturers products.

The variety of TOSHIBA robots provides the solution for difficult and sophisticated assembly procedures. TOSHIBA robots have an outstanding positioning repeatability (0.01 mm) and a low standard cycle time (0.4-0.5 sec / cycle)



Our company is the Hungarian dealer of TOSHIBA MACHINE since 2003. Our staff has a big experience in designing, manufacturing robot cells and equip these cells with industrial vision systems.

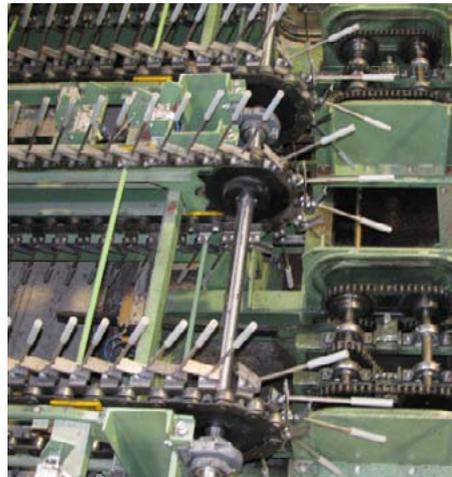
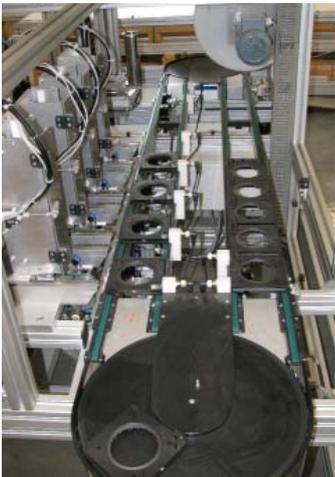
TOSHIBA Industrial Robots offer huge productivity, efficiency, thus vastly improving your business procedures. Easily achieve what you want to, quickly and elegantly.



## Transport Systems, Conveyors

In between the different technological positions the components or sub-assemblies are moved by transport systems, conveyors, and roller conveyors. By using the appropriate

technology such as linear transport systems, band transporters, conveyor systems, chain-roll conveyors we provide the best solution for your company.





## Vibratory Feeders

Our company has a big experience in designing and building custom made linear and bowl feeders. These vibratory feeders position and orientate the parts for Pick &

Place machines. We use AFAG, TUMAC, OKU basic units, drives and controllers in the creation of vibratory feeders.

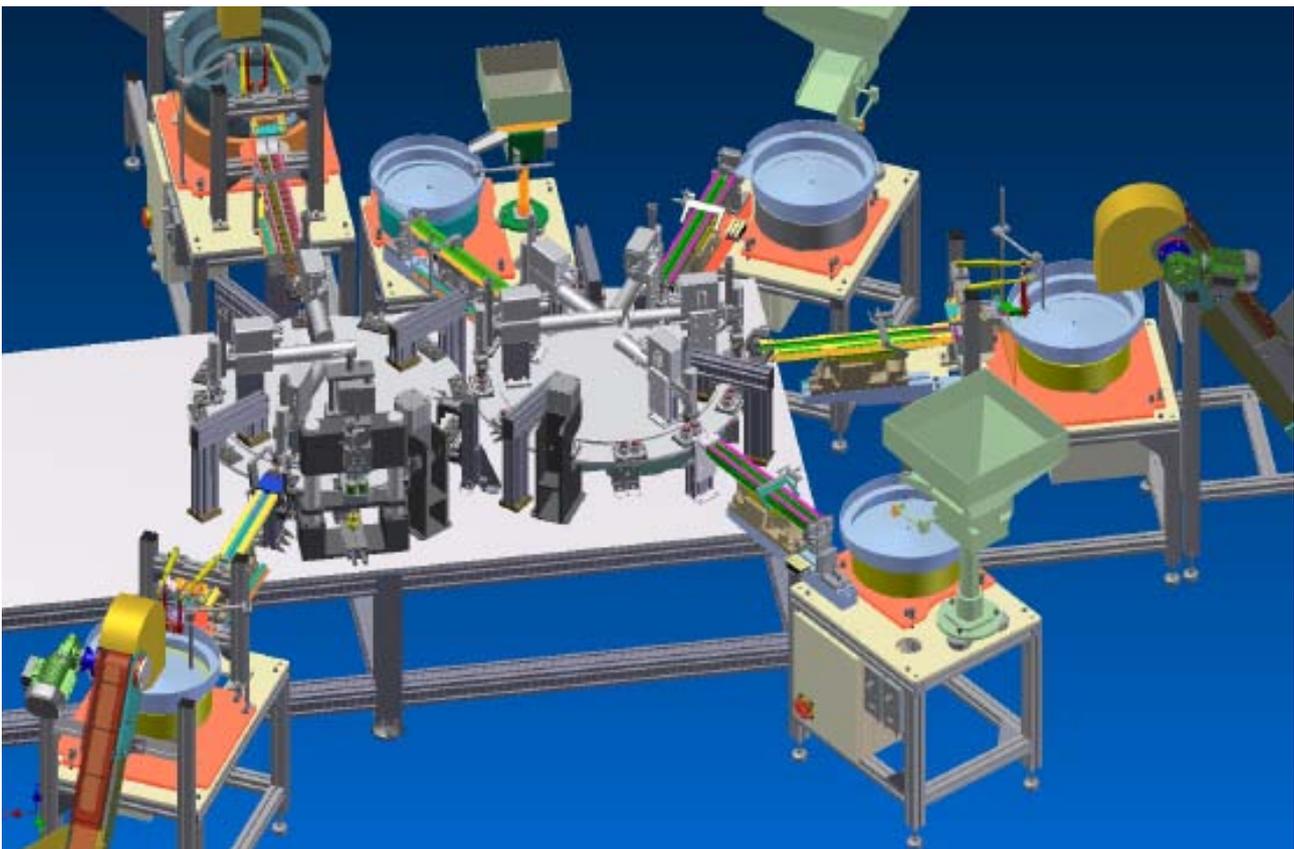




## Engineering

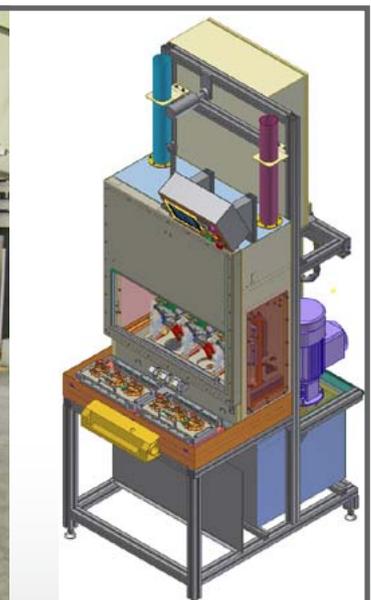
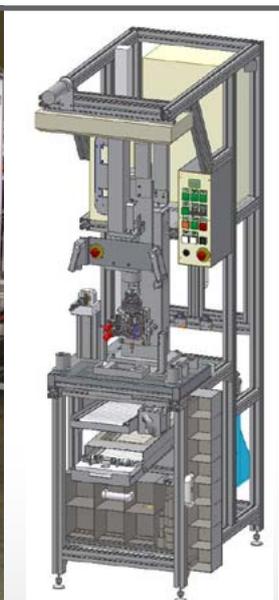
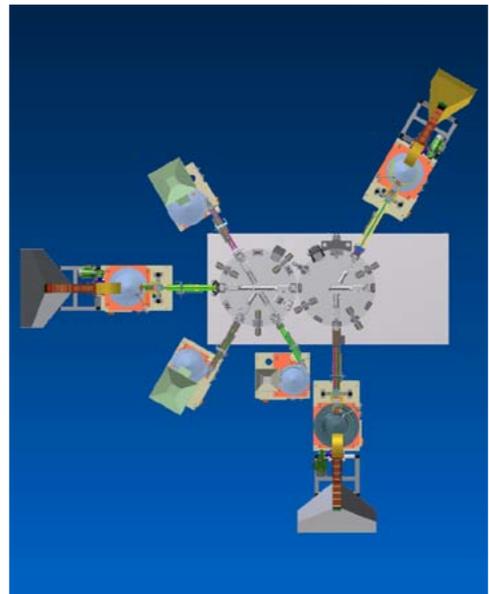
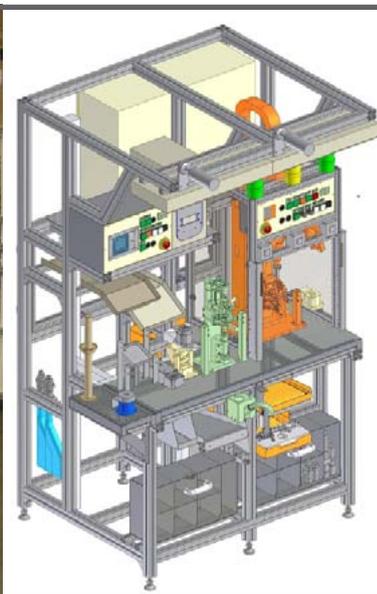
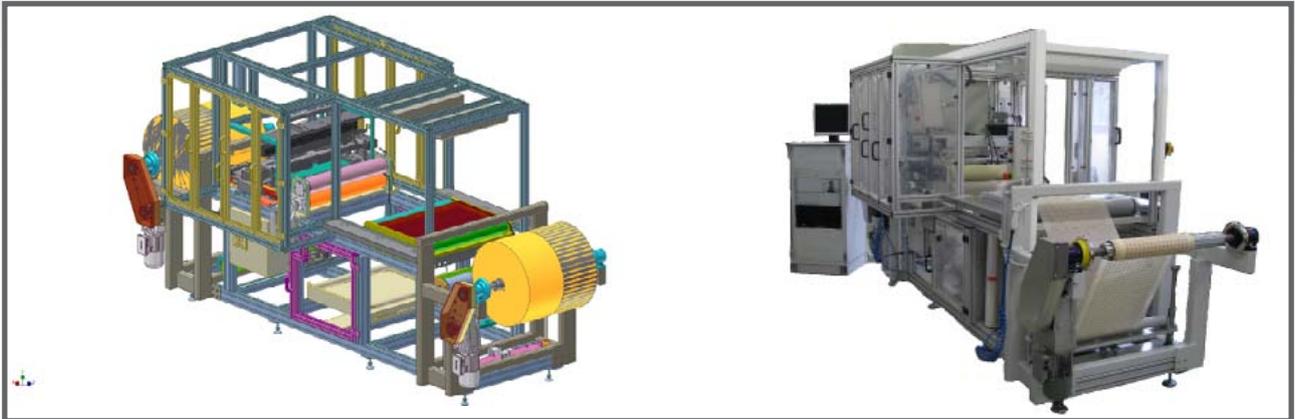
We solve engineering problems for automotive, electronic, plastic, medical-pharmaceutical, industries.

The creativity of our engineers, and technicians is the key for the solution of the technological problems.





## Engineering

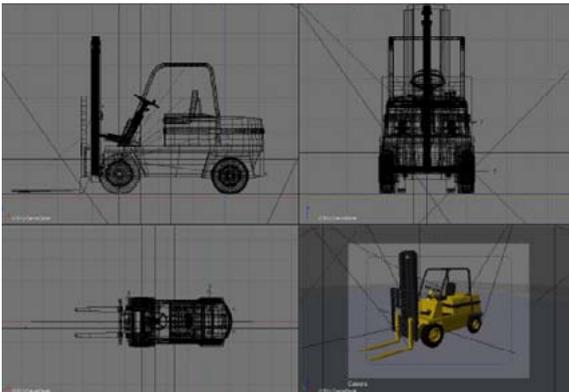
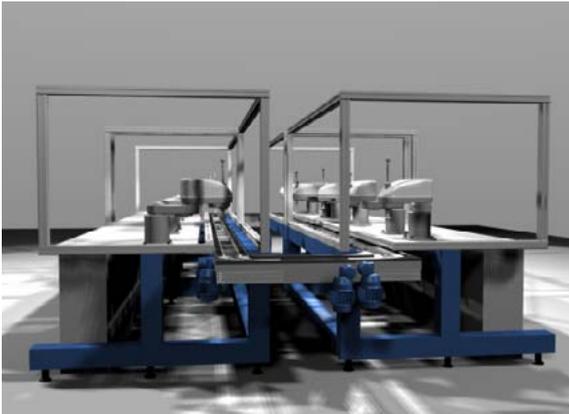
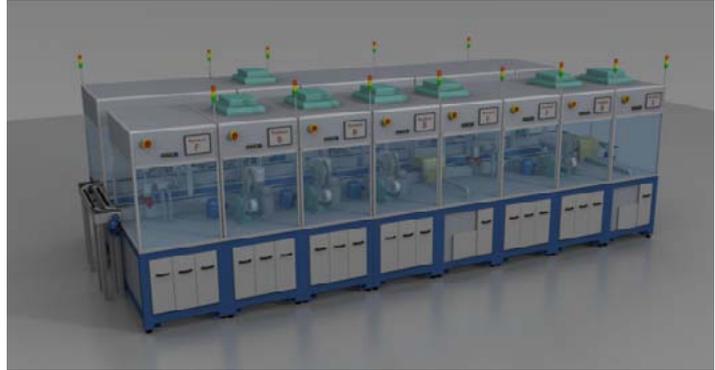




## 3D Modelling

The creation of virtual prototypes provides the ability to inspect and evaluate the different solution methods, processes and products before the beginning of the engineering design. When the virtual models fulfill the

expectations than the real 3D design can be started. We create the 3D model of the production and assembly system of your product, than we render still images or animations.





## Jigs and Fixtures

Our company has a big experience in designing and manufacturing jigs and fixtures. Our services include retooling

already existing production and assembly lines in case of type modifications. The jigs are equipped with Poke-Yoke systems.

