



Mach-Tech and Industry Days Show

9-12 May 2017, HUNGEXPO
Budapest Fair Centre

Invitation

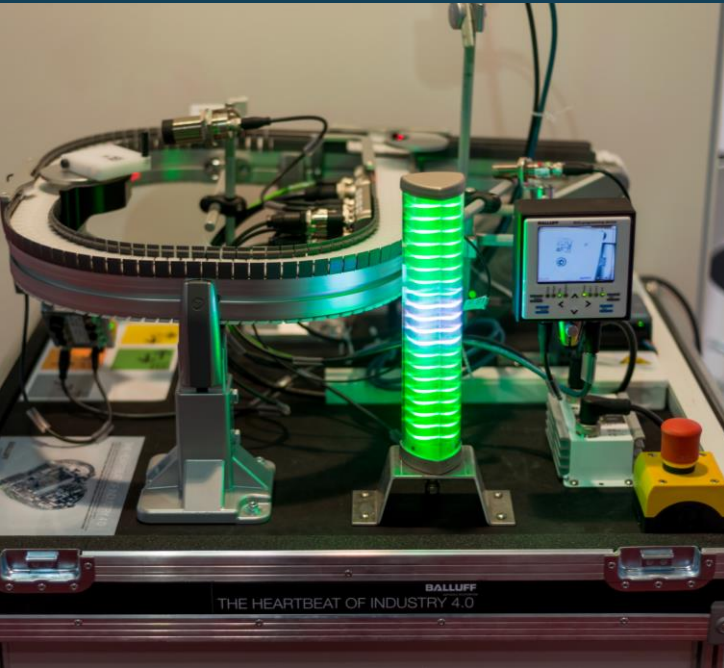
The Mach-Tech and Industry Days is a professional trade show for all members of industry. Again, more than 350 exhibitors present their wares and services – including 100+ foreign companies from 20+ countries.

One of the main theme of the expo is Industry4.0. The event, which offers complex solutions for small, medium and large enterprises, will again feature the highlighted theme INDUSTRY 4.0, a key technological trend of our era.

The MACH-TECH and INDUSTRY DAYS exhibitions provide you the opportunity to showcase nearly all industrial segments at the same place and same time, from machine production, welding technology, automation and environmental protection, to electronic security technology.

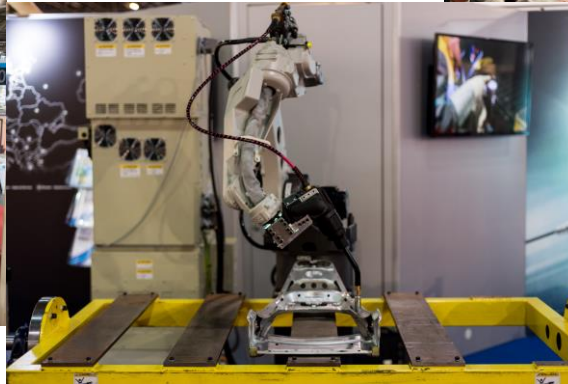
Among the exhibitors are a large number of the Hungarian National Trading House's partners, including the most prominent companies of Industry4.0 and professional manufacturers to show off the very best of technologies.

The Hungarian National Trading House warmly welcomes you to the event to provide you with the greatest possible range of offers by our exclusive partners. Since dozens of our partners exhibit at the fair, we would grab the opportunity of organizing B2B meetings and site visits at your request.



THROWBACK INDUSTRY DAYS and MACH-TECH in 2015

In 2015, INDUSTRY DAYS and MACH-TECH trade exhibitions together had **386 exhibitors**, including **111 foreign companies from 19 countries**, the highest numbers ever, covering all the themes of the event in **Halls "A" and "G"** of HUNGEXPO Budapest Fair Center. Some countries such as Taiwan, Germany and Austria, among others, set up community stands, and there were thousands of tons of machinery altogether on display for the interested professional visitors. The stronghold of Hungarian machine industry hosted **15 thousand visitors from 39 countries**.



For more photos visit:
<http://iparnapjai.hu/en/photos>

INDUSTRY DAYS and MACH-TECH in 2017



DETAILS:

Open:

9 May 2017 from 9 am. until 5 pm.

10-12 May 2017 from 10 am. until 5 pm.

Venue: HUNGEXPO Budapest Fair Center

Website:

<http://iparnapjai.hu/en>

Video:

<https://www.youtube.com/watch?v=JxwMu0DVkP0&feature=youtu.be>

The background features a complex arrangement of blue gears and arrows. The gears are of various sizes and are interlocked, creating a sense of mechanical motion. The arrows are also blue and point in different directions, some following the path of the gears. The overall color scheme is a gradient of blues, from light to dark, giving it a high-tech, industrial feel.

Tool & Device Manufacturing

Excell-Csepel Ltd.



Machine tool building in Csepel has been going on since machines, centre lathes, knee-type milling machines, single serial production, more than 40.000 Csepel machine tools the world. In 1965 the first NC lathe machining centres were developed and the licence and horizontal milling centres and the development of ultraprecision lathes were also started. The currently production program consists of developing and building of single-purpose machines.

System integration

- Full technological elaboration of parts production, designing and implementation of special-purpose manufacturing systems, integrating of loading-unloading units and measuring equipment into one system to comply with customer's requirements

Special machinery

- Cold rolling machine with CNC control to adequately improve the characteristics of materials of workpieces with varying geometry
- Cell-type ultrasonic materials testing equipment

Ultraprecision turning lathe

- Ultraprecision lathe with hydrostatic spindle and slide system design, fitted with linear motor drive and options e.g. B and Y axis.

Gantry-type milling centre

- Machining centers with extremely large working area designed in module system to comply with manufacturing requirements.

More info: <http://csepel.eu>



STRIGOM - Esztergomi Szerszámgépgyár Ltd.



- Established in 1912
- Location: EUROPE / Hungary in City Esztergom , 50 Km from Budapest Airport
- 7000 m2 heated industrial-halls

Cnc machine-tools manufacturing

Our products:

▪ Machine families:

- MZ: table-type machines
- MZP: gentry-type machines
- HMC: horizontal machines
- MC: machining centres

Machine Cutting:

We work in a 3400 sqm industrial room, in three shifts, with high-quality CNC machines and Processing Centers, the demand of specifications our's customers. Our machines are especially suitable for machining of small-,medium-and large-size workpieces. The weight-limit of the workpieces is 27 tonne, and the size-limit is 150x400x1000cm. We have recently a new processing-hall on the 600 sqm equiped, where are builded 5 expl.

New Processing-Centers, there are excellent for the precision milling of small- and medium-size workpieces,hereby service the clients, thanks our processing potentialities are maximal flexible.

Constructional – welding:

- We are capable of welding-works by weight-limit of 10 tonne.

Machines' regeneration



More info: <http://strigom.hu/?lang=en>

Szimikron ltd. designs and manufactures **linear systems** and **ballscrews** offering solutions for different sectors of industry, e.g. machine-tools, automotive, medical industry, automation.

BALLSCREWS:

The ballscrew is the motion transmission unit of machine tools and several machinery structures, transforming the rotational motion into linear motion with a high rate of efficiency, ensuring in addition high accuracy, loadability, rigidity and durability.

TRAPEZOID SPINDLES – ACME SCREWS:

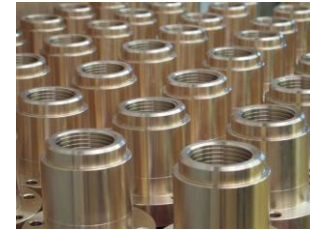
Serving for the actuation duties at traditional machine tools and devices, for the general requirements of machine production, where simple and reliable motion transmission is required.

LINEAR MOTION SYSTEMS:

Our compact modules are the most modern representatives of today's Linear Motion Systems. They can be integrated as a finished module without the effort usually needed for balancing the guide and drive element during installation into the machine. This ease of mounting applies to all our linear motion systems.

HYDRAULIC POWER CHUCKS:

Patented innovation: TAF... type programmable power chucks are the result of a development project led by Szimikron with Miskolc University machine-tool faculty according to the innovation of prof. Dr. Tajnafői.



More info: <http://www.szimikron.com>

NCT LTD

NCT's core business is to develop and manufacture CNC controls and drive technology. However, it cannot be done efficiently without constant and close connection with machine manufacturers as well as the end users of the machines. However, it cannot be done efficiently without constant and close connection with machine manufacturers as well as the end users of the machines.

About us:

- **We work together with several significant Asian and European machine-tool manufacturers**
- **Nowadays we also take part in the development of their machines**
- **We promote our products in the enormous Asian market, as well as in the European and the US market**
- **We improved our machine building capacity with a bed grinding machine (modern factory of 5400 sq.m. in Taksony)**
- **All the CNC machines offered by NCT Ltd. are equipped with electronics developed and built by our company**
- **The electronic integration, optional accessories installation, start-up, testing, measurement and of course the warranty and non-warranty services are provided by NCT Ltd**
- **We develop and manufacture our CNC controls and drives being the part of them**



NCT 204 CNC

<http://www.nct.hu/pdf/Pros/nct204pen.pdf>

Machine tool catalogue

<http://www.nct.hu/pdf/Pros/szgken.pdf>



More info: <http://www.nct.hu>

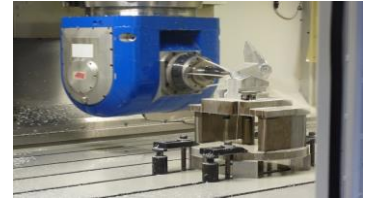
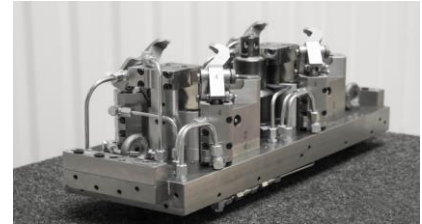
GRAVITÁS GÉPIPARI LTD

Gravitás 2000 Ltd is a professional, contract manufacturer mainly for medical, tooling, en production and aerospace industry. Thanks to its strong economical position, high flexit extensive support in new product introduction and in-house supply chain of mechanical parts, the Gravitás 2000 is able to provide a turn-key manufacturing solution to its customers. In facility Gravitás 2000 among others have 26 pieces 3-6 axis CNC machining center, 24 WireEDM machines, 7 CMM machines.



CORE COMPETENCIES

- Complex CNC turning and milling - Precision CNC Machining in Aluminum Alloys, Alloyed Steel, Brass, Copper, Tungsten, Inconel, Titanium, and many other materials.
- 3, 4, and 5-Axis Surface CNC milling of your demanding geometries, programmed with NX CAD/CAM Software.
- 5, and 8-Axis wire EDM machining of exotic materials and special geometries. Programmed with NX CAD/CAM Software.
- CNC Grinding - Ultra Precision Grinding to +/- .002 for your most demanding precision CNC machining needs.
- Micro machining.
- Micro-hole machining by EDM Drilling from 0.3 mm diameters.
- Laser marking and engraving for medical manufacturing.
- Sub-assembly manufacturing and management .



More info: <http://www.gravitas2000.com/>

GYEGÉP LTD

Specialist of producing individual machines and industrial equipment



We took part in more than 1,000 international projects as a producer. Our ISO 9001 and 3834-2 certifications to the standards are more than 20 years old.

We provide the whole process of manufacture of machinery for our customers, from the purchase materials to the sea packaging of the finished products.

We're able to lift up to 10 tons in the welding and in the cutting hall, furthermore we're able to lift up to 20 tons in the assembly hall.

Focus industries:

- Carbon fiber production machines,
- Steel industry equipment, in particular the plate manufacturer machinery
- Mining machinery,
- Energy equipment,
- Waste processing machines,
- Breaker machines,
- Isotope storage equipment,
- Templates, tools for producing reinforced concrete products



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10. Kistályai street, 3300 Eger, Hungary

More info: <http://www.gyegep.hu/>

LAKICS GÉPGYÁRTÓ LTD



Manufacturer of complex welded and precisely machined heavy steel constructions

Lakics Gépgyártó Kft. is the manufacturer of complex welded and precisely machined heavy steel constructions. Primarily, it became a well-known supplier of the renewable energy sector by producing frames for generators and electro motors, gearboxes, end-shields, press plates, coolers and parts for tunnelling equipment up to 25 tons. The accumulated technological know-how with the innovative view ensured by the owners', allows our company to manufacture a variety of complex steel constructions.

SERVICES

- Cutting
- Bending
- Rolling
- Welding
- Stress Relief
- Machining
- Surface Treatment
- Material Handling

Our customers are the biggest members of renewable and traditional energy sector like Siemens, General Electric, Vestas and ABB.

The excellent quality of our products is guaranteed by the Europe-wide outstanding technological background and the significant engineering knowledge.

More info: <http://en.lakics.hu/>



Tool production

BÜTTNER & Co. is a Hungarian steel tool plate manufacturer company with 25 years of history, specialized in CNC milling/grinding/cutting and turning of non-standard tool plates according to customer drawings – these tool plates often serve as the mold base for the tools. We can treat the plates up till 25 tons of workpiece weight, from small sizes to even the size of 3000x2500x1000.

Company profile

Through our production capacity, prefabricated tool plates and standard components You can substantially reduce your tool manufacturing lead time along with increasing the volume of production and aiming at production of bigger size-range.

- Cutting alloy and non-alloy tool steels to size
- Cutting copper electrode and graphite to size
- Production of precision flat bars
- Drilled & non-drilled tool plates in standard size & non-standard customized tool plates
- CNC milling of tool plates according to customer drawings
- Treating insulation plates
- roduction of sliding core molds and quick changing cassette-molds
- Die sets in various arrangements & with various guiding systems



More info: <http://masterprint.eu/>

GO-METALL LTD

Manufacturing machinery and machine components



The Go-Metall Ltd. is a small family-owned Hungarian business established in 1990. The company's profile consists of manufacturing machinery and machine components, as well as, performing machine assembly and metal working activities. We have been suppliers of the leading Western European machinery manufacturing companies for many years. We lay emphasis on building long-term business partnerships.

MAIN ACTIVITIES:

- Production of machine parts, metal working based on customer's drawings.
- Finish machining of castings (Material: grey iron castings: EN-GJL-200 (GG20), EN-GJL-250 (GG25), EN-GJL-300 (GG30); ductile iron castings: EN-GJS-400-15 (GGG40), EN-GJS-500-7 (GGG50), EN-GJS-600-3 (GGG60); steel and aluminium castings; casting weight: from 5 kg to 5.000 kg). **We undertake the production of machine parts up to a weight limit of 5 tons. Our machining centers make the machining possible at the size of X=2000 mm, Y=2000 mm and Z=1000. We can mill on our planing machine up to 4500 mm. On our CNC lathe machine we can machine up to Ø660 mm, on our CNC vertical lathe machine up to Ø2250 mm.**
- Manufacturing and assembling of small size steel construction
- Assembly of machine parts



AGROHÍD INDUSTRIAL TRADING COMPANY LTD



Components manufacturing for tools and fixtures

Our company was established in 1989 as a 100% family enterprise.

The core of the production is components manufacturing for tools and fixtures of well known premium automotive OEMs'. Manufacturing of diverse special service tools for passenger car service chains worldwide rounds out our portfolio.

High in-house production depth is ensured by CATIA V6 CAM workstations and SAP as ERP system.

AGROHID has a certificated quality management system according to DIN ISO 9001 since 2003.



SERVICES:

Our company is a recognized manufacturer of standard press tool and fixture components used by premium automotive OEMs on their production lines. Besides this we produce special assembly-, adjusting- and inspection tools, used by car service chains worldwide.

We provide our customers with complex logistics service.

We supply solutions for:

- manufacturing of mechanical components
- manufacturing of tool and fixture components
- assembling of tools and fixtures



More info: <http://www.agrohid.eu>

Industry 4.0

KONSYs INTERNATIONAL

Smart city energy management



KONsys is an International company, sole developer of the **AVReporter Energy Management Software Family** with references like **VELUX** (18 factory), **SKANSKA** (office complexes), **E.ON** (utility company), **TESCO** (260 grocery stores). The company employs **expertise from various fields** (electrical engineers, software programmers & developers, automation specialists, electricians, business development and marketing staff) taking advantage of an outstanding and highly system based (hardware+ Software) knowledgebase when developing and marketing its products.

KONsys's System Integrator and IT Partners:

South-East Asia, India, Iran, Australia, New-Zealand, South America, USA, Canada, the EU and Russia.

Description of main products, services, capabilities:

The AVReporter Energy Management Software Family have been developed to serve the rapidly growing demands of the Energy Management field, looking after smart cities, building complexes, industrial plants.

The practical experience KONsys has gained during the last 11 years developing and also installing complete Energy Management Systems (hardware& software)



More info: <http://www.konsys-international.com/home>

Main benefits of working with AVR:

- Easy to integrate into existing organisational systems
- By the use of the Business Intelligence module non-template reports can be created without the need of a programmer
- Real-time data and opportunities
- User-friendly surface

DLM Solutions

ERP solutions and custom software development



We offer various services:

- Complete ERP solutions in commerce and manufacturing for better automation and control for companies lacking software automation and process control.
- Custom software development to fill in the gaps that the existing ERP solutions do not cover for clients where the unified, international solution does not cover a specific need or where a ready made software is not available for the problem at hand.
- Take over abandoned applications, analyze the code and provide further support and development services.

The Team

Our company group has 50 employees in 3 locations. We have a team of 25 software engineers working on our ERP solutions and custom development projects. We are proficient with many different development tools and database engines thanks to our various custom builds.

Our turnover is EUR 3 million p.a.



References:

Nissan, Honda, Heineken, Alcoa, CIB Bank,
Santander, Sumitomo, Itochu, Avis Budget Group,
Bunge, Nalco, Nestle, Ford

More info: <http://www.dlmconsulting.hu/main-page>

Our missions: Industry 4.0 knowledge for the future manufacturing companies and being pioneer of ‘Light out Manufacturing’ (human-force-less). With having extensive experience in operating and implementing industrial computer systems (technologies and solutions) we committed ourselves to the wider usage of technologies applied in Industry 4.0 e.g RFID, Forecast, Deep Learning.

OUR SOLUTIONS:

1. MES (Manufacturing Execution System) system implementation

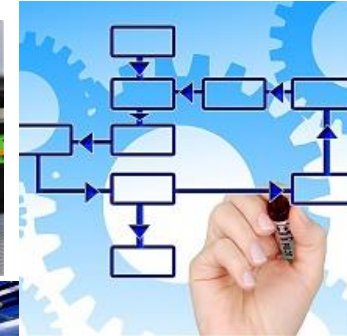
We built MES systems that are able to operate with ERP systems (SAP, Baan), PLM, BI, CRM, SCM systems, and other applications (IBM Maximo, repository PLC) in a coordinated manner, using technologies like RFID, bar code, SCADA, HMI, etc., even without human intervention (light-out manufacturing).

2. RFID-based Warehouse management system– references speak for themselves

3. SAP MII competency – In case of SAP ERP the use of a communication platform between MES system and warehouse management system, customization

4. Industry 4.0 IT infrastructure design, implementation and operation

5. Custom software development for Industry 4.0 environment



More info: <http://niotech.hu/>

MASTERPRINT

Marking technology



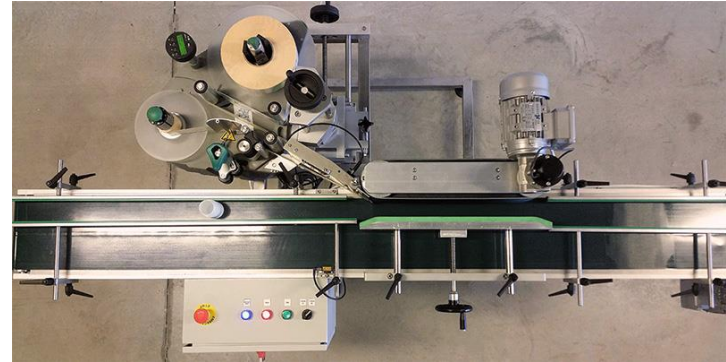
MASTERPRINT

The company

Masterprint, established 2007, is one of the leading and dominant players of the domestic marking technology market in Hungary. Its sphere of activity includes planning, production, distribution, operation as well as servicing of industrial marking equipment. In addition to the sales of systems developed by well-known manufacturers, the company is also present in the market with their own developments and product lines. Since its establishment in 2007, Masterprint has sold different industrial marking systems and devices in 18 countries.

Our development philosophy

1. Design and development – integrated unit
2. The highest quality and long-term cooperation
3. Industry-specific or even customized solutions
4. We give immediate competitive advantage to our partners



More info: <http://masterprint.eu/>

Dyntell Software

Third-party software solutions



TARGET SOLUTIONS

Over the last 16 years, Pannon Software has developed and provided viable solutions for companies engaged in manufacturing and trade when a third-party solution was needed in conjunction with an existing software infrastructure. Our solutions supply easily implemented assistance customized to the needs of the individual business logic. We offer reliable and advantageous solutions ranging from data handling to executive information system dashboards. Dyntell's comprehensive brand of software solutions has proven itself internationally.

SOLUTIONS – CAPABILITIES

- Manufacturing – operational solutions
- Drill-down into automated processes with robot technology
- Real-time performance feedback systems for measuring a range of work processes
- Quality and test manager programs
- Management of operational instructions by using document management software
- Custom end-user interfaces via touchscreen/barcode reader based on BOM and GYR which make immediate reports
- Control of production machinery – data extraction and transfer through PLC control via suitable logic
- Linking production machinery to ERP system. Linking other individual systems
- Project management
- Automatic EKAER (Electronic Public Road Trade Control System) dispatch from delivery document or other form of receipt
- Mobile and stationary follow-up. Procurement and production using marketing page, barcode, QR code
- Management decision support



More info: www.dyntell.com

Further exhibiting partners

Company name	Activity	Website
Esztergákés Ltd	Tool and Device Manufacturing	www.esztergakeskft.hu
Titán 94 Kft	Tool and Device Manufacturing	www.titan94.hu
Inventure Kft.	Sensing of vehicles, CAN-Bus technology	www.inventure.hu
WM Rendszerház Kft.	Remote checking of sensors and meters	http://www.m2mserver.com/en/
Fornax	Industry 4.0	www.fornax.hu
Nexon	HR software	www.nexon.hu
Delta+new_line	Industry 4.0	http://www.newline.nexusweb.com/
CAD-CAM solutions Kft.	Industry 4.0	http://aweb.cadcamsolutions.hu/
Energrade	Industry 4.0	http://www.energrade.hu/