FARM MACHINERY AND EQUIPMENT FROM HUNGARY

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Background

The foundations of the farm machinery and equipment industry were laid in 1848 by a simple blacksmith named János Lábassy, whose factory, unlike many other Hungarian-owned businesses, survived the economic crisis of 1870. The plant predominantly manufactured hand- or horse-drawn ploughs, but also produced household tools.

The other major Hungarian-founded agricultural machinery plant is inextri-

cably linked to the name of Ede Kühne, who acquired the Pabst-Krauss factory in Moson in 1857. The company's illustrated brochure of 1865 already featured three-row sowing machines, a four-row drum seeder, various row seeders and a propriety spoon seeder system. Kühne Agricultural Machine Factory Plc. continues to be one of the leading players on the Hungarian agricultural machinery market.

The present

There are currently 174 companies operating in the Hungarian farm machinery sector, 85% of which are small enterprises. Mid-sized companies make up 11% of the market, while manufacturers with turnover exceeding EUR 15 million represent 4%. The registered capital and capital stock of these companies is 43% in Hungarian hands and 56% in foreign ownership. The largest companies have a higher proportion of international stakeholders. As a result of ongoing development, the products offered by Hungarian-based manufacturers meet the latest standards almost without exception, although the majority of this equipment will not be familiar to most export markets.

The world economic crisis affected the production of agricultural machinery later than other areas of the machine industry, but its impact was much greater. Production in the sector in 2009 fell by almost 30%, followed by a further 7% drop in 2010. (Corporation tax declarations in 2009 show a 20% decline in nominal turnover.) Recovery from the crisis eventually began in August 2010. The first demand impulses appeared in exports but from the autumn of 2010 sales in the domestic market were very brisk. Thus production in the first seven months of 2011 already exceeded the production level for the same period in 2008, the year prior to the crisis.

Hungary is a net machine exporter in the field of agriculture (i.e. it exports more than it imports), which is an immense achievement as Hungary does not produce major machinery such as combines or tractors. 80% of production is in Western Europe, 6.7% in Eastern Europe and 13.3% in Hungary. In the first half of 2011 sales in the sector in Hungary grew by 44% and exports rose by 48.8% compa



Members of the National Association of Agricultural Machinery Manufacturers

BAGODI MEZŐGÉP KFT

BUSA BT

FARMGÉP KFT

FERRO-FLEX KFT

FLIEGL-ABDA KFT

FRANK-HUNGÁRIA KFT

GÜTTLER KFT

HEVESGÉP KFT

HUNIPER KFT

IKR ZRT

KOMÁROMIGÉP

LINAMAR HUNGARY ZRT

METRIPOND M. 93 KFT

MGT 2000 BT

OMIKRON KFT

OPTIGÉP KFT

REKARD HAJTÁSTECHNIKA KFT

SEED-IMEX KFT

TEGAVILL KFT

VOGEL-NOOT MEZŐGÉPGYÁRTÓ KFT

FARM MACHINERY

Innovative, cost-effective solutions

In terms of performance, quality and efficiency, the various harvesting adapters manufactured in Hungary match those of major Western European manufacturers. In the market for spraying machines, we have also seen new solutions introduced for targeted dispersal of pesticides, as well as fully automated equipment. A number of fully variable Hungarian-made soil cultivation products are ideally suited to local needs and offer superior value for money. Machines for vegetable growing and fertilisation have also been developed with local needs in mind.

The development of the Hungarian agricultural machinery industry is strongest in the up-and-coming field of bioenergy: manufacturers of state-of-the-art combustion furnaces, presses and shredders have been joined by a variety of developers of specialist products in the field. These include

various biomass harvesters, as well as planting and cloning systems. It is also in this field that research and development of automated systems in harmony with the principles of plant breeding and agronomy has seen rapid progress. Hungarian developers were also involved in a successful project to design a grain dryer connected to a biomass firing system.

Key products and technologies include: universal seeders suitable for various tillage practices; tilling machines; custom-engineered forest machinery developed for specialist tasks; harvesting machines with Hungarian-developed and manufactured maize and sunflower adapters; new spraying solutions for targeted dispersal of pesticides; biomass collection machines, planting and cloning systems; animal husbandry technologies, i.e. HungaroLact milking technology.





AJG Agrogép Kft

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www.ajgkft.hu



Introduction

Agrogép Ltd and its predecessors have been dealing with agricultural machines and vehicle manufacturing throughout the last 40 years. The company has decades of experience in engineering and manufacturing special vehicles for waste removal, trailers and tank-cars. The company has become one of the most successful in its sector in Hungary.



- injection and watering tank-cars
- Transhipping trailers
- Agricultural trailers and tank-cars
- municipal machines





Busa Bt

H-6000 Kecskemét, Felsőcsalános 22/c. Telephone: +36 76 703 215

E-mail: postmaster@busabt.t-online.hu

www.busabt.hu



Introduction

Busa bt. is a family-owned company established in 1992, located in Kecskemét. The company's main profile is designing, developing, producing and trading in agricultural machinery. Its machines are optimised for the local soil conditions and production technologies in Hungary, but they can be adapted to customer needs for significantly different working conditions. The firm recommends and makes offers for complete technologies. While maintaining direct relations with customers, professional help is offered if required and individual machines can be made to order. Busa bt. owns the patent of some revolutionary and innovative solutions for tillage equipment.



- Rotary seedbed makers (patented)
- Trailed disc harrow
- 3 point hitch mounted disc harrow
- Row cultivators
- Field cultivators
- Subsoilers
- Rollers
- Development and manufacturing of unique machinery







DGA Machine-manufacturing and Automation Kft



H-8460 Devecser, Vasút u. 35 Telephone: +36 88 513 342 E-mail: dga@dga.hu www.dga.hu



Introduction

A machinery factory with 50 years' tradition. Specialised in welded constructions, big-bag applications, automation and food industry machines. Development of agricultural machines became one of the new fields in DGA Ltd's activity.

- Pallet loaders
- Universal hydraulic lifting connected to a tractor suspension
- Bale spikes



Farmgép Kft

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www.farmgep.hu



Introduction

Hungarian owned producer specialised on orchard and field fertiliser sprayers.

Main products and services

■ trailed, mounted and self-propelled fertiliser sprayers



Trailed sprayer



Debreceni Mechanikai Művek Kft



H-4030 Debrecen, Híd u. 4-6. Telephone +36 52 526 460 E-mail: info@dmm.hu www.dmm.hu



Pumpkin seed harvester



Introduction

Debreceni Mechanikai Művek Ltd. was founded in 1996. The company's predecessor started production of agricultural machines and parts in the 1950s. Production-processes have been continuously developed and improved, alongside with the development of agricultural and manufacturing technology. The scope of this production ranges from the simple, low-end machines to high-end, technologically sophisticated equipment to be used in various fields of agriculture, harvesting- and pest controlling jobs. DMM has extended its activity into other fields of industry, too. Since 1996 the company has been manufacturing handbrakes for trucks and aluminium components for high-voltage electrical equipment.

DMM's business strategy is to provide agricultural machines, which satisfy special demands in the market. Pumpkin seed harvesting-and cleaning machines, developed and produced by DMM is a unique product of this sort in Central-and Eastern Europe: harvesters, seed washing machine, drying table and polishing machine belong to this machine-family.

DMM introduced his rotary cutter in 2007, which is ideal for cutting underbrush, stubble-fields, and for maintenance of meadows. The cutter has vertical axle and working width of 4600/6000 mm, depending on type. No similar machine with comparable efficiency is available from Hungarian manufacturer.

As the only rape-attachment manufacturer in the Hungarian market, DMM offers its own attachment under name 'REPTOL'. The purpose of its development was to offer a reliable quality for farmers at an adequate price-rate proportion. REPTOL rape-attachment has become a popular product not only in the Hungarian, but also in the Polish and Romanian markets. REPTOL can be attached to the main cutting platforms (Claas Mega, Medion, Lexion, New Holland, John Deere, Massey Ferguson, Fendt, Laverda). The attachment is optionally equipped with hydraulic side-dividers (on one or both sides).

Expanding the attachment-line (see REPTOL), DMM would like to develop a flexible adapter in the near future, which follows the soil. This adapter will be suitable for harvesting soybean, peas and other vegetables, which grow low, close to the soil. But it is also recommended for harvesting crops, which are hardly leant to the soil.

In tilling machines DMM manufactures a middle-deep subsoiler, which is equipped with double wings and clod-refracting rollers. The special flat-and space position of double wings, the subsoiler's efficiency exceeds that of the traditional subsoilers by 45-50%.

- Pumpkin seed processing machine-family: harvester, seed washing machine, drying table, polishing machine
- Middle deep subsoiler
- rotary cutter
- rape-attachment





Ferro-Flex Kft



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F-mail: laszlo benke@ferroflex hu

www.ferroflex.hu



Silage cutter grab



Subsoiler



Sweep brush bucket

Introduction

Ferroflex Ltd. specializes in the production of agricultural equipment and welded steel assemblies and is located in Lengveltoti (population 4,000), about 15km from Lake Balaton. Until the end of 1990, Ferroflex Ltd. was a single manufacturing unit of Kaposgep (a state owned company located in Kaposvar). In 1991 it became a private company and since 1993 has been owned by our Managing Director, Mr Csaba Horvath.

The company is managed by a small management team of highly skilled and dedicated professionals

Our goal is to maintain the highest standards of production and sales we have achieved to date. Ferroflex products are durable and reliable and the right equipment to handle any job you may have. Ferroflex's reputation for quality craftsmanship will help us to expand our export markets and partnerships throughout Europe and beyond.

Main products and services

■ Manufacturing and distribution of front loaders and implements

Forrás Gépek Kft

H-6793 Forráskút, hrsz: 047/73 Telephone: +36 62 287 248 E-mail: forrasgepek@t-online.hu

www.forrasgepek.hu



Introduction

The company was established in 1992 with fully Hungarian ownership. We manufacture more than 100 types of agricultural spraying and sprinkle machines that meet the highest requirements of our partners.



- fertilizer spreaders
- sprinkler systems











Fliegl-Abda Kft

H-9151 Abda, Pilliengerpuszta Telephone: +36 96 553 303 E-mail: sales@fliegl.hu

www.fliegl.hu



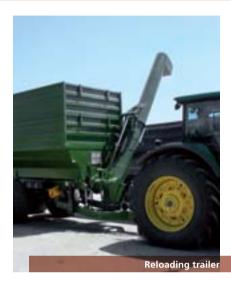


Introduction

The Abda plant of the Fliegl Group has manufactured trailers for road and agricultural transport since 1993, as well as other machinery, components and adapters. The site is also the regional centre for Eastern European distribution. Since its foundation, the business has grown dynamically under the stewardship of Josef Fliegl Jr. Production now takes place on a total floor space of 35,000 m2. The production process incorporates all the tools capable of delivering the efficiency and quality desired by our customers (laser technology, welding robots, finishing, etc.). The company is also equipped to handle the demands of the future thanks to a series of investments to expand capacity and improve quality.

Developments and expansions are currently being made at the plant in Hungary. Under the New Széchenyi Plan two new halls, a paint and abrasive blasting shop and a warehouse, will be built by spring 2012. Due to this expansion the former workshop can be almost entirely devoted to production processes.

- Agricultural trailers and semitrailers: pushoff trailers, tankers, three-side tippers, dump trailers, open grain trailers, platform trailers, dollys
- Liquid Manure Technology
- Biogas dosing systems
- Front-end loader and accessory equipment: adapters, shovels, grapples, agitator-mixers, mix master
- Curtain sided and platform semi-trailers, container chassis, dumpers, low loader, pushing floor
- Transport systems for the construction and municipal industry







Güttler Kft



H-6800 Hódmezővásárhely, Makói úti Ipari Park PF. 57.

Telephone: +36 62 533 690 E-mail: info@guttler.hu

www.guttler.hu



Introduction

A producer of agricultural machinery with German interest. The company is strong in tillage machine production, owner of Guttler type roller patent.

- Güttler DX56 front press
- Güttler front bed tillers
- Güttler Garopact cultivator
- Güttler LK and SK Landmaster
- Güttler rollers





Heves Agricultural Machine Manufacturer Kft

H-3360 Heves, Munkácsy út 4. Telephone: +36 36 346 622 E-mail: hevesqep@t-online.hu

www.hevesgep.hu



Introduction

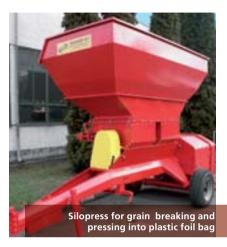
Our firm, Hevesgép Kft., is a Heves based privatized factory of agricultural machineries, having several decades of manufacturing experience (HEVEX-X type driers). The number of employees is nearly 100 persons. One of our most important fields of activity includes the drying, treatment, and storage of cereals, the manufacture of related machinery as well as planning and implementation of complex plants with the above mentioned technologies installed. We have several years of experience in the manufacture of machinery related to the technology of cereal storage and in the installation of technologies applied in the plants. In the field of storage technology, we use the flat bottom technology. Our products also include traditional agricultural machines.



- Pick-up adapters
- Flat bottom silo
- Silopress



Pick-up adapter's for rough fodder









Huniper Kft

H-2053 Herceghalom, Pf. 11. Telephone: +36 23 319 183 E-mail: major@huniper.hu

www.huniper.hu



Introduction

The Huniper name exists from 1976, when the spraying machine production started in Herceghalom. It became a success story. The Huniper Kft. (Limited company) was founded in 1992 after the change of the system. Now it provides jobs for 13 people with its 200 million forint turnover.



- spraying machines
- artificial fertilizer spraying machines
- self-propelled spraying machines





IKR Zrt

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www.ikr.hu



Introduction

The IKR Zrt., with its more than 30 years history, is one of the biggest Hungarian companies dealing with agricultural production and trading, technological development, agricultural machinery equipment development, production and trade as well as technical services having a wide dealer network.



- Crop dryers
- Crop dryer adapter for modernisation of older type dryers
- muck-spreader trailer
- Fuel carrier car
- Vertical and horizontal bailer
- Rape-scythe
- Universal adapter-carrier









Komáromigép

H-2740 Abony, Kodály Zoltán u. 39. Telephone: +36 53 361 120 E-mail: komaromigep@pr.hu www.komaromigep.hu



Introduction

Komáromigép is a family-run private enterprise with 30 years of experience in the similar field. Production is focused on a few types of machines, some of them are market leaders within Hungary.

- stalk cutter
- inter-row cultivator
- fertilizer and micro granulate spreader





KÜHNE Agricultural Machine Factory Zrt

H-9200 Mosonmagyaróvár, Kühne Ede tér 2.

Telephone: +36 96 575 500 E-mail: kuhne@kuhne.hu

www.kuhne.hu



Introduction

The only large-scale manufacturer of sowing machines in Hungary, Kühne Zrt. was established in 1856 by Wilhelm Henrik Pabst and Frigyes Krauss. The small-scale workshop was converted by Ede Kühne to the best known factory in the industry. Today, the company's scope of activity covers the production and sale of agricultural equipment and spare parts. Kühne continues to be 100% Hungarian-owned and employs 211 people, generating annual turnover of HUF 2 518 Million, of which exports contribute HUF 1, 67 Million.



- middle-deep and deep subsoil chisels
- bed ploughs and reversible ploughs
- heavy cultivator
- light and heavy disc harrows
- compactor
- precision corn planters and grain drills









Linamar Zrt, Oros Division





H-5900 Orosháza, Csorvási út 27. Telephone: +36 68 514 600 E-mail: oros@linamar.com www.oros.linamar.hu





Introduction

Linamar Hungary is a Linamar owned company, its machinery producer division is OROS Division, which is supplying to domestic, EU, Eastern-European and North-American markets. Products ranging from agricultural machinery through industrial equipment to special tracking modules. The agricultural machinery production has a history of 50 years in Orosháza. One of the most significant products is the own developed and manufactured corn harvesting adapter, which is in production since 1972. The range of products have widened to several other machinery production. OROS Division is putting high emphasis on spare part supply besides maintenance, guarantee and normal service support. Our division is ISO 9001 and ISO 14001 certified, which supports our quality production.

- Corn harvesting adapters
- Sunflower harvesting adapters



Metalwolf Kft

H-6334 Géderlak, Tavasz u. 12. Telephone: +36 78 517 070 E-mail: info@metalwolf.hu

www.metalwolf.hu



Introduction

100% Hungarian owned producer of agricultural machinery established in 1991.

- Trailed and mounted disc harrow, discs rollers in V-System
- Middle deep subsoil loosener
- Trailed and mounted combinators for seedbed preparation
- inter-row cultivator;
- Hydraulic folding ring roll
- Cultivator











OMIKRON Kft

H-6044 Kecskemét-Hetényegyháza, Hetényvezér u. 7-9.

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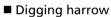
Heavy disc

Combinator

Introduction

OMIKRON Ltd is a family run company, established in 1991 and specialised in engineering and production of highly efficient cultivation machinery. Today Omikron Ltd produces the widest range of tilling machines within the country.





- Annular roll with hydraulic folding
- Combinator for bed
- Multi-blade, medium-deep tiller
- Within-the-row cultivators with fertilizer distributor and granulate feeder
- Drag heavy discs
- Spring deep tillers
- Drag medium weight discs
- Seedbed former with Cambridge roller and stripper
- Heavy Grubber
- Reversible ploughs





SOKORÓ Ipari és Kereskedelmi Kft

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www.sokoro.co.hu



Introduction

Machining company with strong agricultural profile. Sokoró Kft was established in 1992 but has 60 years of agricultural machinery production experience.



- Municipal machines (Emulsion spreader, face loader, Front-suspension-drive, Broomer, etc)
- Cultivators
- Manure-spreader trailer
- Deep fertilizer
- Windrowing harvester
- Poppy seeds harvester adapter
- Cambridge-cylinder











OPTIGÉP Kft

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E-mail: optigep@mail.datanet.hu

www.optigep.hu



12 row Corn harvesting adapter



12 row sunflower harvesting adapter



Sunflower harvesting adapter



OptiCorn-CS foldable corn harvesting adapter

Introduction

OPTIGÉP Ltd. dominates the 98% of the Hungarian market, thanks to the good quality and economical use of our sunflower adapters. Beyond the Hungarian market the company sells machines in the following countries: Slovakia, Romania, Bulgaria, Austria, the Czech Republic, Serbia, Ukraine, Moldova, Russia, USA.

The stability of the company is shown by the fact that every financial year has closed with profit since the formation. The company continuously develops the existing technology by purchasing new machine tools and making other investments. OPTIGÉP Ltd. works in ISO 9001: 2008 Quality Assurance System. This system together with the professional skill of the employees provides the good quality of our products.

OPTISUN type Sunflower Adapter

The patented construction and vibrating pan makes possible using the adapter at a very low position. The grain loss of the sunflower harvest is considerably reduced this way. Based on our experiences (and in comparison with other machines) by saving grain the price of a 6-row sunflower adapter will be returned after harvesting 350-400 hectares. This is true even more under bad harvesting conditions (plants leaning or infected by fungus). The folding adapters and the adapters with stalk crusher are manufactured in 6 and 8 row versions with spacings of 70 and 76,2 cm.

PSM type Sunflower Adapter

The harvesting mechanism of our new PSM type sunflower harvesting adapter is identical to OptiSun adapters, having all beneficial properties. A revolutionary new solution is the low-built stalk crusher that offers further benefits for users. It performs the chopping of the stalk in one run with harvesting, and enables immediate tilt after the harvesting. It is manufactured in 6 and 8 row versions with spacings of 70 and 76.2 cm.



OPTICORN type corn harvester adapters are developed by OPTIGÉP Ltd. They require minimal maintenance and suitable for harvesting the corn on the cob with big working speed and in excellent work quality. At present we are manufacturing our new 4, 5, 6, 8 and 12 row type adapters with spacings of 70; 76.2 and 80 cm and equipped. The patented stalk chopping function can be switched off separately at each row.

- OPTISUN sunflower harvester adapters OPTISUN Z and PSM adapters with stalk crusher **OPTISUN CS foldable adapters**
- OPTICORN corn harvester adapters **OPTICORN CS foldable adapters**
- Ridge formers
- Foil-laying machines
- Tractor mounted wood chipper
- Grain pick up and loader machines
- Adapter transporters



OptiSun-CS foldable sunflower harvesting adapter







Seed-Imex Kft

H-2870 Kisbér, Komáromi u. 89. Telephone: +36 34 354 094 E-mail: info@seedimex.com

www.seedimex.com





SEED-IMEX Ltd. of Kisbér, Hungary is a trading company of agricultural machinery, produce, and seeds, as well as a developer of agricultural technologies. Seed-Imex was founded in 1996 with the aim of providing farmers with innovative and efficient technologies to enhance the economic competitiveness of agricultural producers. The scope of activities of Seed-Imex Ltd. includes the following main areas:

- sales and development of environment friendly tillage systems and implements
- design and implementation of vegetable oil crushing and processing technologies for the renewable energy business
- agricultural machinery, grain dryers and handling systems

With regards to tillage implements, we offer not only tools, but optimized crop production systems as well with high focus on moisture conservation and environment friendly tillage practices.

Our head office, as well as our 40.000 square-foot indoor warehouse with full material handling infrastructure, is located in the north-western part of Hungary, about 20 km south of the interstate highway M1, at the intersection of public roads No.13 and 81.

- SXH MulchMaster Universal Mulch Cultivator
- SX Disc Ripper
- SX Series Pneumatic Mulch Seeder
- agricultural shelter systems
- grain storage systems and silos, optionally with computer controlled monitoring and grain management systems
- vegetable oil technologies from small capacity single units to industrial size, fully computer controlled technologies







T & T Technik Kft

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E-mail: toroczkay@tandttechnik.hu

www.tandttechnik.hu



Introduction

The company operates from 1995 in Szentes at formerly famous HÓDGÉP site. Range of activity covers production of agricultural trailers, harrows and agricultural machinery. The company is strong in pelleting technology.

- Trailers
- harrow
- Pellet machinery
- Mixed-fired boilers
- Automatic pellet feed





Tornádó International Kft

H-6791 Szeged, Széksósi u. 58-60. Telephone: +36 62 461 266

E-mail: info@tornado-international.hu

www.tornado-international.hu



Introduction

Our company made special components for our foreign consumers in the first few years. By now we are one of the biggest truck bodies makers in Hungary.

Our main products:

- fixed and tipping platforms
- box structures
- special vehicle structures
- service machines and structures
- agricultural machinery

- Towed or suspended fertilizer sprayers and accessories.
- Fixed and tipping trucks, box structures
- Service vehicles and machines (municipal)





VGM Magép Kft



H-6900 Makó, Bárányos sor 22. Telephone: +36 62 213 610 E-mail: vgmmagep@deltav.hu www.vgmmagep.com



Introduction

Hungarian owned producing company with 16,000 m² build-up area. The main activities of the company are production of agricultural machinery and welded structures. Production involves towed as well as automotive pea and onion harvester combines for German and Holland customers.



Main products and services

■ Agricultural trailers





Vogel & Noot Mezőgépgyár Kft

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www.vogel-noot.info



Introduction

The company was established in 1872 and producing ploughs since 1922. The ploughs are still the most important products as VOGEL-NOOT is the biggest plough producer in EU. Plough production of the company is located in Mosonmagyaróvár. Capacity of the Hungarian plant amounts to 4,000 ploughs a year.



Main products and services

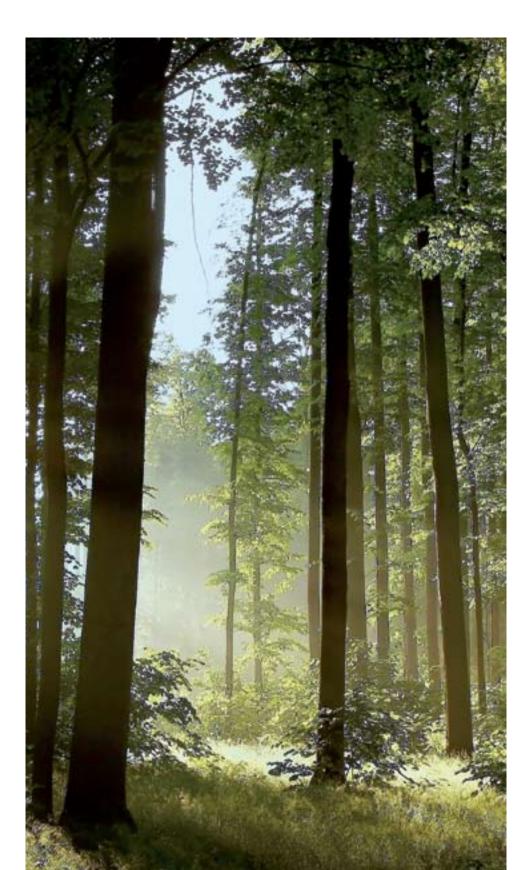
- reversible ploughs
- cultivators
- disc harrows
- drills
- subsoilers
- sprayers
- mulchers
- power harrows







TerraDisc compact disc harrow



FOREST MACHINERY PRODUCTION

In Hungary the mechanization of forestry began in earnest in the early 1950s. Until then production had been almost entirely based on the power of men and draught animals assisted by simple tools such as the tree-planting bar, axe, hand saw and equipment used with a team of horses. The appearance of machines is in effect as old as the production of forest machinery in Hungary, which has been pursued with varving degrees of success for over fifty years. During this period forestry companies themselves have dealt with forest machinery production and there have been independent forestry equipment factories as well. However, agricultural machinery producers have almost always been dominant in forest machinery production.

At present there are about 90 companies dealing with the production of agricultural machinery in Hungary and of these about ten are producing or have produced in the recent past forest ma-

chines as well. This industry dealing with forest machinery production is suitable for the manufacture of machinery for seedling cultivation, the majority of planting machines and tree utilization machines (hydraulic excavators, splitters, forwarders, wood chippers, barkers, trucks). Today forest machinery producers make about seventy different types of forest machines. These types, which do not include agricultural machinery also used in forestry, are suitable for performing almost thirty different forestry operations.

Forest machinery production is developing continuously in Hungary in cooperation with universities and research institutes, which ensure research and technical development in the sector. Nowadays development is focused on mechanizing energy plantations.

Prof. Dr. Béla Horváth University of West Hungary www.emk.nyme.hu



Bagodi Mezőgép Kft

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E-mail: bagodimezogep@t-online.hu

www.bagodimezogep.hu



The company specialised in developing and manufacturing agricultural, forestry, fruit-gardening and vinery mounted machines. Our products are suitable to prepare the soil for agricultural, forestry, gardening cultures, and also to plant and cultivate-care of plants at small- and mediumsized farms

- Units of planting and sylviculture machine line, for the purpose of energy-forest cultivation.
- Machines for nursery-garden are suitable for soil preparation, sowing, care and harvesting.
- Machines for forest cultivation are suitable for: soil preparation, sowing in one place, planting (cut or rooted), cultivation.
- Soil preparation machines are suitable also for a complete soil preparation or to implement the tasks of the striped soil preparation.
- Planting machines are suitable to establish new plantations, perform the re-planting of the cleared forests and to plant also into a stock.



BCSK-1-KR type Sapling lifter



BVZ-2x100 type Twin-row forestry crusher



BGF-600 U type Earth auger



CGP Instruments Kft

1135 Budapest, Szent László u. 180. Telephone: +36 239 8167 E-mail: info@cgpi.hu

www.cgpi.hu



Introduction

CGP Instruments, established in 1999, is a dynamically expanding company dealing with the development, production, distribution and operation of electronic products.

Main products and services

 Digital Bluetooth tree calliper to measure tree volume







Farmgép Kft

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www.farmgep.hu



Introduction

Hungarian owned producer specialised on orchard and field fertiliser sprayers.

Main products and services

■ Forest fire extinguisher equipment





Ferro-Flex Kft

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E-mail: laszlo.benke@ferroflex.hu

www.ferroflex.hu



Introduction

Ferroflex Ltd. specializes in the production of agricultural equipment and welded steel assemblies and is located in Lengveltoti (population 4,000), about 15km from Lake Balaton. Until the end of 1990, Ferroflex Ltd. was a single manufacturing unit of Kaposgep (a state owned company located in Kaposvar). In 1991 it became a private company and since 1993 has been owned by our Managing Director, Mr Csaba Horvath.

The company is managed by a small management team of highly skilled and dedicated professionals.

Our goal is to maintain the highest standards of production and sales we have achieved to date. Ferroflex products are durable and reliable and the right equipment to handle any job you may have. Ferroflex's reputation for quality craftsmanship will help us to expand our export markets and partnerships throughout Europe and beyond.

Main products and services

■ Manufacturing and distribution of front loaders and implements



Log grab





Heves Agricultural Machine Manufacturer Kft



H- 3360 Heves, Munkácsy út 4. Telephone: +36 36 346 622 E-mail: hevesqep@t-online.hu

www.hevesgep.hu



Introduction

Our firm, Hevesgép Kft., is a Heves based privatized factory of agricultural machineries, having several decades of manufacturing experience (HEVEX-X type driers). The number of employees is nearly 100 persons. One of our most important fields of activity includes the drying, treatment, and storage of cereals, the manufacture and import of related machinery as well as planning and implementation of complex plants with the above mentioned technologies installed. We have several years of experience in the manufacture of machinery related to the technology of cereal storage and in the installation of technologies applied in the plants. In the field of storage technology, we use the flat bottom technology. Our products also include traditional agricultural machines as well as a complete technology system of energy tree harvesting machines.



In a research project at the Budapest University of Technology and Economics, the Faculty of Engineering in cooperation with Hevesgép Kft has developed experimental equipment to harvest in bundles. The result of the development is a perfected special machine that overcomes current faults and is able to gather crops in bundles.

Main products and services

■ Energy tree harvester machine

Huniper Kft

H-2053 Herceghalom, Pf. 11. Telephone: +36 23 319 183 E-mail: major@huniper.hu

www.huniper.hu



Introduction

The Huniper name exists from 1976, when the spraying machine production started in Herceghalom. It became a success story. The Huniper Kft. (Limited company) was founded in 1992 after the change of the system. Now it provides job for 13 people with its 200 million forint turnover.



Main products and services

■ Forestry injector against maybeetle









Metripond M-93 Kft

H-6800 Hódmezővásárhely, Bajcsy-Zsilinszky út 70.

Telephone: +36 62 246 450

E-mail: merleg@metripond-m93.hu

www.metripond-m93.hu

Introduction

Metripond-M93 Kft was founded in 1993 by professionally well prepared private individuals involved in development, production and trade of scales for many decades. The company is also represented on the market by its wood processing developments.

- Disintegrator for forestry application
- Wood chipper/shredder



PRODUCTION OF GARDEN AND DIY MACHINES

The spread of the production of garden and DIY machines at a global level only started in the 1960s, and in Hungary this area only began to develop in the 1990s. Already at the start of the last century Hungarian agricultural machinery works played an active role in the mechanization of gardens and small holdings, and contributed to the success of the sector with several developments and innovations. Following the introduction of market economy, the Cleveland-based MTD appeared in Hungary as a trade investor, which had a major effect on the development of

the domestic market. Besides the leading American manufacturer, several smaller Hungarian-owned machine producers operate in the country.

With the emergence of cheap Asian competitors, Hungarian producers have been forced to re-position their products and production, laying greater emphasis on their many years of experience, and the quality and reliability of their products. The market position of Hungarian machine producers is stable and 80 to 90% of production is destined for export markets.





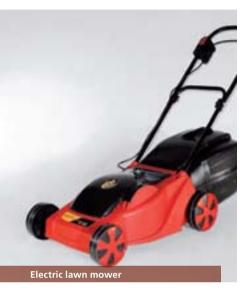
Fevill Electric Kft

H-4900 Fehérgyarmat, Szatmári út 18.

Telephone: +36 44 510 560

E-mail: info@fevill.hu

www.fevill.hu

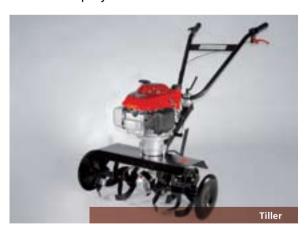


Introduction

Fevill Electric is one of the biggest lawnmower producers in Europe. Our name is mostly known of our lawnmower production but we are also producing electric motors and finished products for other companies which can be found on the gardening market. It makes Fevill unique that all of the production steps and developments are done inside the plant. The monthly lawn mower production of the company exceeds 100 thousand pieces.

- tillers
- lawn movers
- fertiliser sprayers





Pannongép Kft

H-2220 Vecsés, Szabadkai út 83. Telephone: +36 29 352 894 E-mail: istvan@pannongep.hu

www.pannongep.hu



Introduction

Our company's predecessor in title was the Varga Machine and Gear Producer Ltd. which is on the market since 1995. During this period Peter Varga developed the technology we have been using since and which allows our machines to sow various seeds one-by-one. In the middle of 2010 we established Pannon Machine and Gear Producer Ltd. and took over the whole production procedure. The new company continues the fabrication and development of the sow-machines. Our objective is expansion without losing quality and to have much satisfied customer.



- Hand-held seeders
- Powered seeders











Robix Hungary Kft

H-8200 Veszprém, Viola u. 12. Telephone: +36 88 577 900 E-mail: robix@robix.hu

www.robix.hu



ROBI-rotary scythe-machine



Introduction

100% Hungarian owned producer of garden machinery, established in 1997. The company has two production facilities within Hungary and employs 200 people.

- Engined tillers in 3-6 HP performance categories, with working tools
- Engined scythes and lawn cultivator machines
- Grape and fruit processing tools in hobby category
- Snapping machines for animal keeping, fodder technology
- Brewery equipments for barley snapping



Szevafém Co-operative

H-6724 Szeged, Kátai u. 23. Telephone: +36 62 425 909 E-mail: szevafem@invitel.hu

www.szevafem.hu



Introduction

Iron and Metal Industrial Co-operative (Szevafém) designs, manufactures and sells agricultural and machine industrial equipment. Szevafém has more than 60 years' experience in the sector of hand-guided motor driven machines for cultivation, gardening and agriculture. They have experience in developing and manufacturing agricultural and gardening tools and machines, such as rotary hoes, cultivators, mowing machines, seed crackers, composters, crop grinders, lawn mowers (parched grass), pickers, grape grinders, beet slicers, packing machines for rose-stocks and saplings, and other machines for industry such as sausage stuffers and fruit presses.

- rotary cultivators
- lawn-mowers
- facial lawn-mowers
- scrub-mowers
- seed-crackers-grinders
- plant debris disintegrating mills
- water-pumps
- driving-gears



Rotary cultivator RK 10





GRAIN TECHNOLOGY

Hungary has some of the best areas for producing high quality grain in Europe. The grain sector can achieve outstanding results in producing grains, from oilseeds to summer grains and maize. Due to the significant reduction in livestock numbers over recent decades, the grain sector has become dominant in the success of domestic agriculture. Weather permitting, the amount of grain produced can reach 13 to 16 million tonnes. [Herdovics, 2007.] At harvest time, the drying and storage facilities must safely solve the receipt, cleaning, drying and storage until use of the grains in these quantities.

After the change of regime, large technological companies which supplied the majority of the domestic market with technological equipment (Mezőgép Tröszt, ÉLGÉP, Bábolna Ipari Ágazat, etc.) disintegrated similarly to players in other sectors. Those parts of these companies which remained viable after privatization either produced equipment based on old documents or undertook contract work using largely existing means of production. This meant in the initial phase that financially strong suppliers with considerable experience and marketing opportunities flooded the domestic market. In addition to these, some firms devoted great energy to gathering experts who were able to make the developments in production and products that met the new market requirements in the changed conditions, and made products and technologies competitive both at home and abroad. The developments achieved remarkable success at domestic and foreign exhibitions and trade fairs. These grain technology products stand their ground not only in the central-eastern and eastern regions of Europe but anywhere in the European and world market in terms of technical content, lifespan and energy use alike. The fact that in spite of the economic crisis the technology sector within the agricultural machine production not only maintained but increased its turnover and maintained its employment level while implementing technological developments also speaks for itself. Moreover, it deserves mention that workers in the sector acguired practice in a market where the safe, fast and professional processing of produce grown by partners on hundreds and thousands of hectares of land had to be solved

In the grain technology market the resources necessary to complete orders (expertise, human resources, tools and capital) are available, and everyday work is aided by specialists with excellent know-how, competence and practical experience on the human resources side, and a modern production background and state-of-the-art design programs on the tools side.

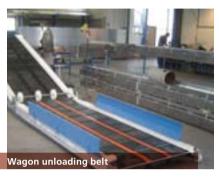
Judit Áman Tegavill Kft www.tegavill.hu

ALEX Alföldi Exportfővállalkozási Kft



H-5000 Szolnok, Meder u. 38. Telephone: +36 56 423 500 E-mail: info@alexkft.hu

www.alexkft.hu







Introduction

The company ALEX Kft. is a small enterprise in machine industry, founded in 1991 in Szolnok, 100% private. The company gained reputation in Hungary and in the neighbouring regions as a manufacturer and distributor of material transport equipment for grain storage. Our main scope of business is manufacture of conveyor belts and bucket elevators. The small company with 20 employees can flexibly meet the challenges of the wide-ranging requirements of material transport in the industry. In the recent years we focused strongly on the development of our products, in order to keep up with the world standard and to keep our existing markets.

- Mobile Conveyor belts
- Mobile hoppers
- Portable hopper
- Wagon Loading Equipment
- Overhead conveyor belts loading belts to be installed on silo/granary ceilings model with motor-driven discharge trolley
 - reversing conveyor belt model model with **CROSS-BELTS**
- Conveyor belts with lightweight aluminium frame

Heves Agricultural Machine Manufacturer Kft

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- Pick-up adapters
- Flat bottom silos
- grain drying equipment (Mecmar, Heves-x)
- Silopress
- Fertilizer sprayers
- Lawn mowers
- Fodder mixing equipment
- Machinery for cultivation of row spacing and stock spacing machines used in orchards



Troughed chain conveyor



IKR Zrt

H-2942 Nagyigmánd, Gépállomás u. 1. Telephone: +36 34 557 140

E-mail: ballaj@ikr.hu

www.ikr.hu



Introduction

The IKR Zrt., with its more than 30 years history, is one of the biggest Hungarian companies dealing with agricultural production and trading, technological development, agricultural machinery equipment development, production and trade as well as technical services having a wide dealer network.

- Crop dryers
- Crop dryer adapter for modernisation of older type dryers

Milling Machinery Manufacturing Kft

H-1047 Budapest, Baross u. 99. Telephone: +36 1 231 0868 E-mail: magkft@t-online.hu www.magmilling.hu



Introduction

Milling Machinery Manufacturing Llc. was founded in 1989. In view of the most up-to-date technical solutions (e.g.: vibration technique, etc.), we developed modern, competitive machinery, satisfying the requirement of our times.

Activity: Machinery manufacturing, manufacturing of milling equipments and feed mix plant equipments, execution of complex facilities, wheat and maize milling plants, feed mix plants.

- Grain cleaning machinery
- Grain milling machinery
- Conveying machines
- Mixing machines
- Dust filters
- Hammer mill
- Auxiliary equipments
- Feed mills equipments
- Moist maize crusher
- Fat corn grinder





Mikrotherm Kft



H-1174 Budapest, Ferihegyi út 292.

Telephone: +36 1 258 1563 E-mail: info@mikrotherm.hu

www.mikrotherm.hu



Introduction

Traditional Hungarian-owned grain technology machinery company with many years of experience. The company is also supplying different supplementary equipment necessary for the establishment of drying and storage technology, up to 100 t/h performances.

- grain driers
- fruit driers
- cleaning machines: irflow, flat-sieve, drum-sieve
- material moving equipment: bucket elevators, chain, belt and worm conveyors



REKARD Kft

H-9027 Győr, Kandó K. u. 5. Telephone: +36 96 511 882 E-mail: info@rekardprodukt.hu

www.rekardprodukt.hu



Introduction

REKARD Kft. is a Hungarian company that operates in the machine industry and with its predecessor companies it has more than 60 years long history. The wide technological capabilities of the company make it possible to manufacture several types of gearboxes.



■ Showfighter: multifunctional adapter. It can be used for the rapid reloading of bulk goods (grain, silo, wood chips, granules, sand etc.)







Tegavill Kft



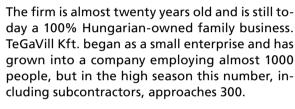
H-7300 Komló, Altáró út 18. Telephone: +36 72 582 020 E-mail: info@tegavill.hu

www.tegavill.hu



Introduction

TeGaVill Kft. is active in design, production, installation and development in the agricultural sector and in particular in the production of agricultural machinery.



Among the company's activities are cleaning, drying, storing, cool storage, seed, mixing, milling and barge loading technologies from design to execution, from harvesting to processing.



- Crop dryers
- Dust separators
- Grain cleaning machines
- BioDryer cereal drying system and drying technology





PARTS AND OTHER EQUIPMENT





Metripond M-93 Kft

H-6800 Hódmezővásárhely, Bajcsy-Zsilinszky út 70.

Telephone: +36 62 246 450

E-mail: merleg@metripond-m93.hu

www.metripond-m93.hu



Introduction

Metripond-M93 Kft was founded in 1993 by professionally well prepared private individuals involved in development, production and trade of scales for many decades.

- pitless and pit-mounted electronic truck scales
- electronic warehouse platform scales



Metripond Plus Kft

H-6800 Hódmezővásárhely, Bajcsy-Zsilinszky út 70.

Telephone: +36 62 530 870 E-mail: info@metripondplus.hu

www.merlegek.hu



Introduction

Metripond Plus Plc. was established in 1989 using the experiences and the competency provided us by Metripond Weighing Company during the preceding decades. As for today we became one of the most significant suppliers of the Hungarian market of scales

Our more than 1.8 billion EUR annual income exists of the sales and services to our approx. 2000 customers – hereby creating stable financial position Metripond Plus Plc. has become a reliable companion.

- truck scales,
- bagging & big-bag scales





Metron Kft



H-1024 Budapest, Keleti Károly u. 22.

Telephone: +36 1 316 8167

E-mail: office.hu@metrongroup.eu

www.metrongroup.eu



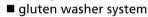
Introduction

Metron LTD. was established in 1991 in Hungary. Area of activity of Metron Ltd. is calibration, service and sales of quality control instruments, balances/scales and other laboratory instruments.



Main products and services

- Moisture meters
- NIR/NIT analyzers
- Texture Analyzer
- flame photometer
- spectrophotometers
- balances/scales
- falling time





#-metrongroup

Falling Time

Falling Time instrument for measuring the activity of alpha-amylase enzyme

Food check

MGT-2000 Bt

H-2074 Perbál, Egyetértés ltp. 5/B. Telephone: +36 26 370 080 E-mail: mgt2000@t-online.hu www.hidraulika-diagnosztika.hu



Introduction

MGT-2000 Bt. was established in 1999, involved in the following engineering activities:

- Drive technology competence
- Design of mobile hydraulic drive systems
- Development and production of mobile hydraulic and diagnostic systems
- Delivery of hydraulic components on the basis of drive technology competence



Main products and services

■ Hydraulic test equipment

Mobile test



REKARD Kft



H-9027 Győr, Kandó K. u. 5. Telephone: +36 96 511 884 E-mail: info@rekard.hu

www.rekard.hu



Introduction

REKARD Kft. is a Hungarian company that operates in the machine industry and with its predecessor companies it has more than 60 years long history. The wide technological capabilities of the company make it possible to manufacture several types of gearboxes and many variations of those as well.

- Agricultural gearboxes,
- industrial and vehicle cardan shafts
- drive parts







National Association of Agricultural Machinery Manufacturers

H-1116 Budapest, Temesvár u. 19-21. E-mail: mgt2000@t-online.hu www.mezogepgyartok.hu

Established in 1991, the aim of the Association is to represent the interests of Hungarian companies manufacturing agricultural and forest machinery, and to support their R&D activities and foreign trade endeavours. The Association has 26 member companies and 11 associated supporting members.



University of West Hungary, **Faculty of Forestry**

H-9400 Sopron, Ady Endre út 5. Telephone: +36 99 518 153 E-mail: horvathb@emk.nyme.hu www.emk.nyme.hu

R&D activity in the frame of forest machinery:

- developing machinery for primary wood production and tree harvesting
- developing the operation of forest machinery
- developing the mechanization of soil cultivation in cutting areas
- developing the technical and technological background of protection against forest fires
- functional examination of forest machines



Hungarian Institute of Agricultural Engineering

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Through its endeavours the Hungarian Institute of Agricultural Engineering aids scientific and technical research and development activities related to agricultural mechanization. The Institute participates in organizing agricultural and environmental research and development, and in implementing re-

lated technical tasks. It helps the practical implementation of results achieved as well as the market-conscious development of the activity of agricultural producers and farmers through consultancy and expert activity. In the interest of monitoring and precision farming, the Institute undertakes measurement technology development and research mainly in the sector's renewable energy management and in particular bio-energy management. It researches mechanization economics necessary for the development of technologies. Among its tasks are examining and classifying the utility value of machines.

Recent researches

- Mechanization of plant production
- Mechanization of animal husbandry and fodder processing



Hungarian Investment and Trade Agency

H-1055 Budapest, Honvéd u. 20. Telephone: +36 1 872 6520 E-mail: info@hita.hu www.hita.hu

Established by the Hungarian government, the Hungarian Investment and Trade Agency – HITA, commenced its operation as of 1 January 2011. The task of the Agency on the one hand is to encourage foreign companies to invest in Hungary, and on the other hand to support exports of Hungarian small and medium-sized enterprises. Our main services are

Company surveys and company visits:

- establishment of personal contact and business development consulting
- exportable goods, innovative technologies and services survey

Business partner search:

- business and innovation partner search databases: database of information obtained in the course of company surveys, foreign partner referrals
- organisation of international exhibitions and business meetings: arrangement of opportunities for concentrated negotiations combined with a custom appearance
- targeted partner search based on individual needs
- facilitation of international cooperation projects by joining grant consortiums (FP7, EUROSTARS, Eco-innovation)

Foreign market expansion:

■ promotion of allocation of working capital