



PARTNER IN PLASTICS TECHNOLOGY





ABOUT THE COMPANY

DATRIA s.r.o. is a Czech business-production company based on more than **25 years' experience in plastics and rubber industry**. The production division of the company is focused on **development and production of specialized technologies** according to specific customer requirements.

The business division of the company offers and delivers standardized technologies from **proven suppliers** such as Hayer, Enma, Technotrans, Meaf, TSM Control Systems, Mikrosan, Poex and others. We operate mainly in the Czech Republic, Slovakia, but we also have our customers in other countries, for instance in Germany, Poland, Polska, Hungary, Ukraine, Lithuania, Bulgaria, China, USA, United Arab Emirates and India. We currently ship our products to over 30 countries worldwide.

WE ARE PART OF THE RADKA GROUP
WWW.RADKA-GROUP.EU

RADKAGROUP

OUR STOCK OF SCREWS AND BARRELS

Symphony for your machines

Stock parts

for injection machines Engel, Arburg, Sumitomo Demag, Krauss Maffei and others

- Thorough hardened screws, bimetallic barrels, tip sets and accessories
- Easy searching according to your type of machine
- In stock in the EU
- Permanently advantageous prices
- Express shipping anywhere
- For materials without GF, but also for highly abrasive plastics

Renovation and service

We measure wearing of screws and barrels of plastics and rubber machines. Subsequently we can also offer renovation of screws for injection machines, extruders and others by special hardsteel material. We are using the most modern device for surface treatments of screws with technology of PTA surfacing with achieved hardness up to 64HRc.

PTA welding technology used by us

- eliminates cracking in the weld layer of the screw
- ensures the highest quality and service life of screw work surfaces

Especially suitable for extreme conditions (processing of plastics containing abrasive particles). We also provide screw nitriding and barrel honing.

HAYEUR®

HAYEUR was founded in 1994 and is one of the largest and most modern plants for the production of screws, barrels, check valves and accessories. The production of screws and barrels includes the following options:

- Through hardened screws
- Bimetallic PTA screws
- Nitrided screws
- PVD coated screws
- Compounding screws and barrels
- Bimetallic barrels
- Nitrided barrels
- Check valves and accessories

SCREWS AND BARRELS FOR INJECTION MOLDING MACHINES AND EXTRUDERS

We supply screws, barrels and other accessories for the injection, extrusion and rubber industries for the global market.

Nitrided screws and barrels

- 38CrMoAl Nitrogen
- 38CrMoAl Nitrogen + Chrome
- 38CrMoAl + PTA according to the application



Thorough hardened screws – Series HPT

- HPT1 (58–62 HRc) – up to 35% GF
- HPT2 (58–62 HRc) – up to 50% GF
- HPT3 (58–62 HRc) – up to 65% GF
- HPT5 (60–64 HRc) – up to 45% GF, for HFFR

Bimetallic barrels - Series HK

- HK1 – Fe-based (58–62 HRc)
- HK2 – Fe-based (64–69 HRc)
- HK3 – Ni-based + 35% WC (52–56 HRc)
- HK5 – Ni-based + 25% WC (50–56 HRc)
- HK6 – Ni-based + 45% WC (58–62 HRc)

Accessories for screws and barrels

- Check valves
- Extrusion heads
- Tie bars
- Pistons and piston rods

Parallel and conical twin-screw assembly



Applying protective coatings

- PVD TiN coating – applications: PC, PMMA, LGP
- PVD CrN coating – applications: glass fibers, metals, halogen-free flame retardants
- PVD AlTiN coating – applications: fluoropolymers (PTFE, PVDF), polyphenylether polymers (PEEK, PPS, PSU, PES, PPE, PPO)



OUR PRODUCTION EXTRUDERS

We produce modern **single-screw extruders**, which excel in high performance, reliability, and low consumption of electric energy.

NEW: Mobile application for controlling of extrusion lines from any position!



EXTRUSION LINES

Extrusion lines for production of profiles and tubes from thermoplastics and biodegradable materials.

REGRANULATION LINES

We produce regranulation lines for production of standard granules and microgranules made of PA, PE, PP, PC and others.

The regranulation line excels in low energy consumption, high performance and long lifetime of all used components.

**OUR INDIVIDUAL APPROACH
TO EVERY CUSTOMER AND
A SERVICE, WHICH NO ONE
ELSE OFFERS 24/7!**

To our technologies we can offer you custom service plan to suit you the most.



Extrusion lines



Laboratory extruders SL



Coextruders

CUSTOM MADE MACHINES

and special single-purpose devices

We design, develop and manufacture special single-purpose equipment based on the specific requirements of our customers, especially from the plastics and rubber industry.

- Semi-automatic debagging machine
- Ionization airbox
- Plastic lumps cutter
- Hydraulic mold opener
- Continuous measuring device for cable production



Hydraulic mold opener

- Load capacity up to 20 tons
- Open up to 2.7 m
- Hydraulic opening

THERMAL INSULATION COVERS

ADVANTAGES:

- Lower energy consumption (up to 60 %)
- Decrease in ambient temperature of the working place
- Increase in work safety thanks to isolated heating zones
- Longer lifetime of heating zones
- Investment return within approximately 6 months

APPLICATION:

- Injection molding machines
- Extruders
- Extrusion tools (flat dies, extrusion dies, ...)
- Wherever there are high temperatures (maximal application temperature of up to 1000 °C)



Thermal insulation covers

WE PRESENT

pouze ověřené dodavatelé, se kterými spolupracujeme již několik let.

COMBINING ALL
EXPERIENCE IN THE
FIELD IN ONE PLACE.

HAYEUR

SCREWS, BARRELS, TIP SETS

one of the biggest producers of screws, barrels, and other spare parts for injection molding machines and extruders that produces 5000 sets per month

poex

COMPAUNDING LINES

manufacturer of twin screw extruders and its spare parts, producing visually esthetic machines by using modern technology and the best qualified equipment

mikrosan®

EXTRUSION LINES, EXTRUDERS

leading brand for the industry by producing effective solutions that match the needs of profile and pipe manufacturers

TSM

GRAVIMETRIC DOSING UNITS

for over 40 years, TSM have been supplying blending and control systems that enable companies to achieve the level of precision that their production processes demand

technotrans

TEMPERATURE CONTROL UNITS, COOLING UNITS, CENTRAL COOLING

manufacturer of temperature control units, cooling units, central cooling, focusing particularly on energy-efficient and sustainable system solutions

NEAF

FLAT FILM EXTRUSION LINES AND THERMOFORMING

manufacturer of sheet extrusion equipment and thermoforming machinery for a wide variety of raw materials and plastics with more than 70 years of tradition

RECYCLING ENMA

GRANULATORS, SHREDDERS AND WASHING LINES

was founded in France 20 years ago and has been focused on solutions to recycling all kinds of materials such as plastics, paper, industrial waste and other special application

FLEXXOLUTIONS

innovators in technical textile products

NICOSILOS FLEXIBLE STORAGE

Dutch supplier of silos suitable for the storage and transport of light bulk materials such as expanded granulate, small plastic parts, wood pellets and many other bulk materials.



GRANULATORS, SHREDDERS AND WASHING LINES

ENMA was founded in France 20 years ago and focuses on the development and production of granulators and shredders for the recycling of materials such as plastics, industrial waste and other special applications.

We supply:

- Granulators, shredders - recycling of plastics and synthetic materials (pipes, profiles, plates, foils, bottles, etc.).
- Washing lines - treatment of contaminated material to create clean, high-quality pulp ready for further use.



technotrans

TEMPERATURE CONTROL UNITS, COOLING UNITS, CENTRAL COOLING

Technotrans is a company that manufactures temperature control units, cooling units and central cooling. As a manufacturer of temperature control devices, we can offer you standard temperature control units as well as devices specially designed according to customer requirements.

We supply:

- Temperature units from 95 °C to 140 °C, with the possibility of reaching up to 200 °C for high-performance materials.
- Cooling units for maximum flexibility and energy efficiency, for optimizing equipment performance and reducing cooling time and combining cooling and heating in one device.
- Central cooling for optimizing operating costs, adapted to climatic conditions and energy-efficient operation with the possibility of using waste heat.





COMPOUNDING LINES

Polimer Technics is our exclusive supplier of compounding lines, string granulators, gear pumps, string dryers and accessories.

We supply:

- POEX compounding lines - efficient heating and cooling efficiency, high performance and favorable energy consumption.
- Strand pelletizers - polymer granulation, stable product quality with selection of the appropriate type of steel material.
- Strand drying using a powerful fan with double efficiency (suction + blow).
- Gear pumps - with a large volume flow, they accelerate the stabilization of the device after startup and limit deviations in material properties.



TSM – GRAVIMETRIC DOSING UNITS

TSM Controls Systems has been on the market for over 40 years and is a leader in its field with experience in gravimetric and continuous dosing systems and more.

We supply:

Opti-mix Gravimetric Dosing Equipment

- Up to 12 material components
- Throughput range up to 5,000 kg/h.
- High-precision dosing up to 0.01% of the dose.





MIKROSAN – EXTRUSION LINES, EXTRUDERS

MIKROSAN has been on the market for more than 40 years, exports to 62 different countries and is a specialist in the field of extrusion technologies.

We supply:

- Extrusion lines for the production of various types of profiles.
- Extruders single-screw, twin-screw, twin-screw conical extruders, co-extruders.
- Regranulation line for PVC recycling.
- Accessories for extrusion lines, extruders and regranulation lines for PVC.



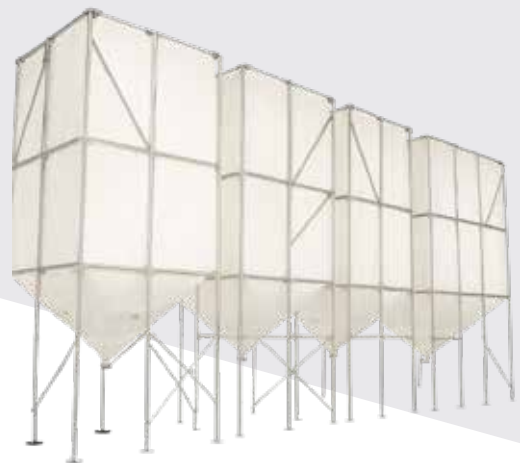
FLAT FILM EXTRUSION LINES AND THERMOFORMING

MEAF has been manufacturing equipment for the plastics industry for more than 75 years and specializes in the production of extrusion lines for flat films and sheets.

We supply:

Flat film extrusion lines:

- Rigid films for single-use packaging and physical foaming of rigid board.
- Industrial board applications and physical foaming of boards.



NICOSILOS FLEXIBLE STORAGE

FLEXOLUTION is the preferred solution for delivering silos suitable for the storage and transport of light bulk materials such as expanded granulate, small plastic parts, wood pellets and many other bulk materials.

Characteristics:

- Optimal emptying characteristics.
- No condensation problems.
- Easily connectable to all transport systems (air, belt conveyor, etc.).
- Depending on the nature of the bulk materials and local conditions up to max. 25 tons.



KMS600 thermoforming machine:

- Forms products up to 180 mm deep across the entire sealing surface.
- Adaptable thanks to the possibility of using molds from different manufacturers and upgrading the machine to thicker material (up to 2,500 µm | 2.5 mm).



CONTACT

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