



WASTE PROCESSING TECHNOLOGY



Who we are

AGRO CS is a Czech company founded in 1992. At that time it continued the work of Agropodnik Česká Skalice, which had served farmers in the areas of consulting and fertilizer storage and application. For its development in the following years, AGRO CS used its expert experience and knowledge and in 1994 it added the production of gardening composts and consumer packaged fertilizers to its activities. It went on to extend these activities systematically and nowadays it is one of the leading producers of substrates, fertilizers and grass seeds in Central and Eastern Europe.

The mechanical engineering division manufactures and supplies technology for

- **stocking up:** hoppers, silos
- material handling: belt, screw, vibrating, spiral, and pneumatic conveyors, bucket elevators, flap diverter valves
- blending: continuous, discontinuous (by batches), mobile blenders
- sorting: rotating drum screens, vibrating screens, sizing screens, star screens, mobile screening devices
- dosing: components and micro components, dosing hoppers
- weighing out of hoppers, silos, tanks
- weighing of load, weighbridges
- filling of open and valve bags, big bags
- palletization: rollways, palletizers, robots,

The company's mechanical engineering division, its management and technologies are well known in the Czech Republic as well as abroad (Lithuania, Hungary, Germany, Poland, Austria, Russia, Slovakia, Ukraine). The division has many years' tradition and experience in the development, production and delivery of machinery, devices and complete technologies for manipulation of bulk materials. Especially for stocking up, transport, blending, sorting, dosing, weighing, filling and packaging, palletization, robotic automation and wrapping of pallets (e.g. pallets of solid industrial fertilizers, substrates, grains, sands, gravels, soils, waste, etc.).

- demands
- engineering
- including subcontracts
- assembly
- crew training

- pallet wrapping

The mechanical engineering division carries out the following:

• preparing offers based on customers'

• in-house project and design activities,

• manufacturing of machinery and devices, • delivery of required technology, including

• on-site assembly and commissioning of supplied machinery, operators' and maintenance

• warranty and post-warranty service



Single-shaft shredder – SS

The SS-type industrial shredder is designed for shredding material into fine output fraction, mostly in one step. The size of the output fraction depends on the mesh size of the screen under the shredder's rotor. The material is shredded between rotor blades (using replaceable segment plates) and a combshaped stator blade. The shredder is fitted with a pneumatic or hydraulic pressure device, which feeds the material towards the rotor. The output of the shredder depends on the character of the shredded material and on the mesh size. It is fitted with electronics monitoring the set overload with automatic motor reverse.

Under the screen there is a screw conveyor, which transports the crushed material to the next transport stages, such as pneumatic transport or belt conveyor.

Technical data

| Туре | Work surface l x w (mm) | Input (kW) | Output (kg/h) | Screen holes (mm) | Output fract. (mm) | Weight (kg) |
|---------|----------------------------|---------------|------------------|----------------------|-----------------------|----------------|
| SS 550 | 550 x 600 | 5,5 - 11 | 120 - 200 | 15 - 30 | 15 - 30 | 2 000 |
| SS 700 | 700 x 700 | 15 – 22 | 250 - 450 | 15 – 30 | 15 – 30 | 2 500 |
| SS 1000 | 1 000 x 900 | 18,5 – 30 | 550 - 750 | 15 – 30 | 15 – 30 | 3 500 |
| SS 1200 | 1 200 x 900 | 22 - 45 | 750 – 950 | 15 – 30 | 15 – 30 | 4 000 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering









Two-shaft shredder with single drive – SDS

The SDS-type two-shaft industrial shredder is designed for applications requiring longer life span, more power and reliability and less maintenance, e.g. in waste sorting facilities, plastic recycling lines, used passenger car tyres processing facilities, used oil filters, wood shredding etc. The resulting crushed material can be used as alternative fuel, for further processing or simply for decreasing waste volume, for cheaper and more environment-friendly transport (so as not to transport air).

Shredders can be stationary or mobile with optional power generator for removal of dump sites in multiple areas. Shredders are equipped with automatic control system, which does not require too much attention from the operator. Control system actively monitors and controls overloads, set reverse counts and operational hours.



Technical data

| Туре | Work surface l x w (mm) | Input (kW) | Output (kg/h) | Output fraction (mm) | Weight (kg) |
|----------|----------------------------|---------------|------------------|-------------------------|----------------|
| SDS 560 | 560 x 560 | 7,5 - 22 | 1 500 - 3 000 | 20 x 100 - 150 | 2 000 |
| SDS 850 | 850 x 560 | 22 - 30 | 2 000 - 3 500 | 20 x 100 – 150 | 2 300 |
| SDS 1000 | 1 000 x 560 | 22 - 30 | 2 800 - 3 800 | 20 x 100 – 150 | 2 500 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering

Single-shaft shredder

Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrical sizing screen

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mill

Hammer mill

Hybrid shredder

> Sorting facility

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Two-shaft shredder with single drive and a drum screen – SDS drum

Shredders with sizing screens are suitable for applications requiring high output with precise fraction sizing. The waste which falls into the hopper is shredded and then falls freely (by gravitation) onto the rotating drum screen. The pieces of the crushed material of the guaranteed size fall through the screen holes. The waste which does not fall through the screen is carried by the drum blades back into the hopper and then it walls back into the shredding area. The process is repeated until all crushed material parts have the guaranteed size and fall through the screen. The sizing screen is designed for shredder types SDS 560, SDS 850 and SDS 1000 but after a minor adjustment it can also be used with SDTx 4 and SDTx 4L shredders. The screen surface of the sizing screen can be replaced by a new one or different mesh size. For operation, the screen surface is covered for safety and for cleanliness around the device. The total output of the machine depends on the mesh size, which can be 15, 20, 25–40 mm.



The final inclined conveyor carries the crushed material into the next processing stage or into a container.

| Technical data | | | | | | | | |
|----------------|-----------------|-----------|---------------|-----------------|---------------------------------|--------------------|--------|--|
| Туре | Work surface | Input | Output | Screen holes | Screen diameter l x w x hole | Output fraction | Weight | |
| | l x w (mm) | (kW) | (kg/h) | (mm) | diameter (mm) | (mm) | (kg) | |
| SDS 560 drum | 560 x 560 | 15 – 22 | 1 500 – 2 500 | 15 – 40 | 1 700 x 650 x 20 | 15 – 40 | 3 500 | |
| SDS 850 drum | 850 x 560 | 18,5 – 22 | 1 800 – 2 700 | 15 – 40 | 1 700 x 650 x 20 | 15 – 40 | 3 700 | |
| SDS 1000 drum | 1 000 x 560 | 18,5 - 30 | 2 000 - 3 000 | 15 - 40 | 1 700 x 650 x 20 | 15 – 40 | 3 900 | |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering



Small two-shaft shredder with two drives – SDTx

The two-shaft shredders of the SDTx range ("x" standing for working chamber length) are designed for applications requiring longer life span, more power and reliability and less maintenance, e.g. in waste sorting facilities, plastic recycling lines in central cooking facilities. The shredders are designed for shredding paper, aluminium drink cans, PET bottles, electronic waste, wooden pallets, thinner aluminium and copper cables, plastic canisters (up to about 5 litres) or for shredding CDs, DVDs and audio and video tapes.

Shredders can be stationary or mobile with optional power generator for removal of dump sites in multiple areas. Shredders are equipped with automatic control system, which does not require too much attention from the operator. Control system actively monitors and controls overloads, set reverse counts and operational hours.

Technical data

| Туре | Work surface l x w (mm) | Input (kW) | Output (kg/h) | Output fraction (mm) | Weight (kg) |
|---------|----------------------------|-------------------|------------------|-------------------------|----------------|
| SDTx 3 | 180 x 300 | 2 x 1,5 – 2 x 2,2 | 250 - 350 | 12 x 40 - 80 | 250 |
| SDTx 3L | 400 x 300 | 2 x 1,5 – 2 x 2,2 | 270 - 400 | 12 x 40 - 80 | 280 |
| SDTx 4 | 360 x 360 | 2 x 2,2 – 2 x 4 | 600 - 850 | 20 x 40 – 80 | 350 |
| SDTx 4L | 460 x 360 | 2 x 2,2 – 2 x 4 | 650 - 900 | 20 x 40 - 80 | 400 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering

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Single-shaft shredder

Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrica sizing screen

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mil

Hammer mill

Hybrid shredder

> Sorting facility









Two-shaft shredder with two drives – SDT

SDT range two-shaft shredders are designed for applications with requiring longer life span, more power and reliability and less maintenance, such as in incinerators, waste sorting facilities, plastic recycling lines, processing of passenger car and lorry tyres, disposal of disused barrels, railroad sleepers, used car oil filters, etc. Depending on required application, the shredding rotor segments can be fitted with replaceable blades, which make maintenance cheaper and faster while saving expensive materials and, as a result, spare parts. The blades can be replaced without disassembling the machine. The resulting crushed material can be used as alternative fuel, for further processing or simply for decreasing waste volume, for cheaper and more environment-friendly transport (so as not to transport air).

Shredders can be stationary or mobile with optional power generator for removal of dump sites in multiple areas. Shredders are equipped with automatic control system, which does not require too much attention from the operator. Control system actively monitors and controls overloads, set reverse counts and operational hours.

Technical data

| Туре | Work surface l x w (mm) | Input (kW) | Output (kg/h) | Output fraction (mm) | Weight (kg) |
|----------|----------------------------|-------------------|------------------|-------------------------|----------------|
| SDT 800 | 800 x 800 | 2 x 15 – 2 x 30 | 2 500 - 3 000 | 50 x 200 - 300 | 5 500 |
| SDT 1150 | 1 150 x 800 | 2 x 22 – 2 x 30 | 3 500 – 4 500 | 50 x 200 - 300 | 7 000 |
| SDT 1220 | 1 220 x 800 | 2 x 15 – 2 x 18,5 | 3 500 - 8 000 | 15 x 30 – 200 | 3 000 |
| SDT 1650 | 1 650 x 800 | 2 x 22 – 2 x 30 | 4 500 - 7 000 | 50 x 200 - 300 | 8 000 8 |
| SDT 1800 | 1 800 x 1 000 | 2 x 37 – 2 x 75 | 7 000 – 9 500 | 80 x 200 - 400 | 10 500 |
| SDT 2300 | 2 300 x 1 050 | 2 x 55 – 2 x 75 | 8 000 - 10 000 | 80 x 300 - 500 | 15 000 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering







Four-shaft shredder with two drives – SQT

A four-shaft shredder designed for waste processing lines, sorting facilities, heating plants, incinerators (PET bottles, plastics, paper, cables, cardboard, wood), lines for processing composts, peat, etc. These shredders shred waste or material into the required smaller output fraction, whose size depends on the mesh size. The screen is located under the crusher segments. It is used where the input waste is large in volume or in size and must be shredded into small pieces in one step. The shredder is fitted with four shafts rotating opposite each other and shredding the waste or material between each other; at the same time the output is calibrated by the screen through which it falls onto a conveyor. The resulting crushed material can be used as alternative fuel, for further processing or simply for decreasing waste volume, for cheaper and more environment-friendly transport (so as not to transport air).

Shredders can be stationary or mobile with optional power generator for removal of dump sites in multiple areas. Shredders are equipped with automatic control system, which does not require too much attention from the operator. Control system actively monitors and controls overloads, set reverse counts and operational hours.



| Туре | Work surface | Input | Output | Screen | Output | Weight |
|----------|--------------|-----------------|-------------|------------|-------------|--------|
| | l x w (mm) | (kW) | (kg/h) | holes (mm) | fract. (mm) | (kg) |
| SQT 1200 | 1 200 x 750 | 2 x 11 – 2 x 22 | 600 - 1 300 | 15 – 40 | 15 - 40 | 3 900 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering



Single-shaft shredder

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Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrical

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mil

Hammer mill

Hybrid shredder

Sorting facility



Granulator – G

The G-series granulators are intended for applications with higher demands on life span, power, reliability and lower maintenance. They can be used separately as well as within lines processing used passenger car and lorry tyres, alternative fuel production lines, processing of plastics, paper, electronic waste, cables, wood, etc.

The granulators are based on the principle of the cutting action of 3 to 7 rotor head blades opposite two stator blades. Both the stator blades and the rotor blades are replaceable and after the edge becomes blunt, they can be turned over. After that they need to be sharpened or replaced by new ones. The blades are made from high-alloy steel.

The whole inside of the granulator, including parts of the hopper, is lined with HARDOX, which is an abrasion resistant material. The rotor head is also made from HARDOX. That guarantees long life and renewability of the parts. In the lower part of the granulator, under the rotor, there is a screen used for output material calibration. The screen is also made from HARDOX. Some parts which are under high strain are welded with cemented carbide.

The granulator is fitted with its own control system, which doesn't require much attention on the part of the operator. If it is included in a line, it can also be connected to the central control panel with a PLC

Technical data

| Туре | Work surface l x w (mm) | Input (kW) | Output (kg/h) | Screen holes (mm) | Output fract. (mm) | Weight (kg) |
|--------|----------------------------|---------------|------------------|----------------------|-----------------------|----------------|
| G 1000 | 1 000 x 600 | 45 – 110 | 1 300 – 2 000 | 5 – 25 | 5 – 25 | 4 500 |
| G 1200 | 1 200 x 600 | 75 – 130 | 2 000 - 2 700 | 5 – 25 | 5 – 25 | 5 500 |
| G 1400 | 1 400 x 600 | 110 – 150 | 2 700 – 3 300 | 5 – 25 | 5 – 25 | 6 500 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering



control system, which controls the granulator, monitors load and overload, temperature and number of motor operation hours. The granulator is fitted with safety contacts and features according to current standards. If any non-standard regime occurs, the PLC emits a signal and shows an error message or disengages the machine to avoid damage.

The granulator can be supplemented with a cyclone and with pneumatic transport or, for coarser crushed material, with an output screw conveyor, or with a belt conveyor. Single-shaft shredder

Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrica sizing screen

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mill

Hammer mill

hybrid hredder

Sorting facility





Blade mill – MK

High-speed blade mills are used for grinding whole or coarsely pre-crushed waste, plastic rejects from production, electronic waste, cables, PET bottles, etc. Due to their robust design, they can be used separately or within a line. The mill is fitted with a rotor with four rotor and two stator blades, which are located in a massive welded box. Precise geometry of the blades ensures high output, low wear and low noise level. The output crushed material size is calibrated by a replaceable screen. The screen and the inner part of the box are made of HARDOX, which is an abrasion resistant material. The bearings and shaft seals are protected by a labyrinth using a worm arrangement to carry the fragments back to the shredding area. This design prevents the seals from becoming blocked or damaged. The mill is powered by an electric motor with a belt pulley and V-belts. The hopper is sandwiched and hinged.



The hinged parts (hopper, discharging hopper) have protective safety contacts.

Technical data

| Туре | Work surface | Input | Output | Screen holes |
|--------|--------------|---------|-----------|--------------|
| | l x w (mm) | (kW) | (kg/h) | (mm) |
| MK 450 | 450 x 350 | 11 – 30 | 100 – 250 | 5 – 20 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering

Single-shaft shredder

Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrica sizing screen

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mill

Hammer mill

Hybrid shredder

> Sorting facility

Glass bottles crushing and processing line

Accessories: Transport ventilator with a cyclone and stand, set of replacement blades, soundproofing box, replacement screens.

 Output
 Weight

 fract. (mm)
 (kg)

 5 - 20
 1 200



Hammer mill – MH

The MH450 hammer mill is designed for grinding roofing materials (roof tiles), ceramic bricks (for clay production), fragile materials, glass, plastics, ceramics, printed circuits, etc. It has a robust design. The body is made from structural steel and the inside, which comes in contact with the ground material, is lined with HARDOX. The hammers are made from HARDOX or they are covered with a thickness of welded cemented carbide, depending on the kind of material to be ground. The frame and the hopper can be customized to fit the arrangement of the line. The hammer mill crushes material or waste by hammers rotating on a shaft grinding the material at a high speed and with big dynamic force. The ground material falls down through a screen into a discharge hopper and then directly onto a conveyor or into a sizing screen, where the output fraction is calibrated to the required size. The machine is powered by an electric motor using V-belts.

The whole process is electronically controlled. The mill can be included in a line, as required by the cus-tomer, with conveyors or with sorting devices. A dust extraction device must be installed with the machine.

Technical data

| Туре | Work surface | Input | Output | Screen holes | Output fract. | Weight |
|--------|--------------|---------|---------------|--------------|---------------|--------|
| | l x w (mm) | (kW) | (kg/h) | (mm) | (mm) | (kg) |
| MH 450 | 450 x 500 | 15 – 30 | 1 000 – 1 500 | 20 - 40 | 20 – 40 | 2 000 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering

Single-shaft shredder

Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrica sizing screen

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mil

Hammer mill

Hybrid shredder

> Sorting facility





Hybrid shredder – SH

A hybrid shredder is a machine used for very fine crushing in waste sorting facilities, and waste sorting lines, especially in electronic waste processing lines (frames of televisions, computers, tuners, video sets, telephones, etc.). It is designed as a combination of a single-shaft shredder and a hammer mill, in which the hammers crush the electronic waste into large pieces using a movable stator blade. The blade can be adjusted according to the required output size. The output is 200–300 mm pieces of waste.



Technical data

| Туре | Work surface | Input | Output | Outpu |
|---------|---------------|---------|-------------|-------|
| | l x w (mm) | (kW) | (kg/h) | (mm) |
| SH 1000 | 1 000 x 1 100 | 11 – 22 | 800 – 1 100 | 200 x |

Industrial branches:

automotive industry, **waste processing**, woodworking, agriculture, **electrical engineering**, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering

Single-shaft shredder

Two-shaft shredder with one drive

Two-shaft shredder with one drive and a cylindrical sizing screen

Small two-shaft shredder with two drives

Two-shaft shredder with two drives

Four-shaft shredder with two drives

Granulator

Blade mil

Hammer mill

Hybrid shredder

> Sorting facility

Glass bottles crushing and processing line



ut fraction Weight (kg) : 300 - 400 2 800



Sorting facility – WS

Sorting facilities are designed according to the customer's specific requirements. They have a modular structure with regard to output, waste structure and required output commodity. They are also designed with regard to safety, hygiene, simplicity of control, ergonomics and operator's comfort temperature in the sorting place. The conveyor system can be designed variably depending on the required capacity. The capacity of the sorting line can be influenced by adjusting the number of busy sorting places or by continuous change of speed of the conveyors. Sorted waste can be discharged to baling presses or containers. The waste from the sorting facility that is to be deposited in a landfill can be crushed into small pieces in our shredders, so the volume is reduced and no air is transported. As a result, transport and landfill costs are reduced, too.

The sorting facilities can have conveyor belts of 800–1,200mm in width and of lengths specified by the customer. The belts can be made from PVC or rubber, equipped with dampers or corrugated sidewalls.

Technické údaje

| Туре | Facility size | Input | Output | Hall size |
|--------|---------------|-------|--------|-----------|
| | l x w (m) | (kW) | (m³/h) | l x w (m) |
| WS 800 | 5 600 x 4 000 | 13 | 20 | 15 x 20 |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry, transport and logistics, power engineering

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Glass bottles processing line – GSL

This line is designed for crushing glass bottles into the required output fraction. It is designed as semi--mobile. It consists of two extensible containers connected to each other. The line is fitted with filling hopper with a belt conveyor and three crushers, which crush bottles first into coarser and then finer pieces. The crushers are followed by a vibrating screen, which separates output material into three pre-set output fractions (e.g. 0–4 mm, 4–6 mm and larger). Small tiltable belt conveyors are used for transporting each fraction. These conveyors transport individual fractions into individual big bags. The big bags are suspended on mountable support frames. The line is easy to move and can be quickly put into operation.

Technical data

| Туре | Input | Output | Screen holes | Output fractio | | | |
|--------|-------|---------------|--------------|----------------|--|--|--|
| | (kW) | (kg/h) | (mm) | (mm) | | | |
| GSL 01 | 50 | 3 000 – 5 000 | 4 - 8 | 1 – 8 | | | |

Industrial branches:

automotive industry, waste processing, woodworking, agriculture, electrical engineering, rubber industry, chemical industry, food processing, construction industry,

| on | Facility / hall size |
|----|----------------------|
| | (m) |
| | 6 x 12 x 3 |

The use of the waste processing machines

Case studies



Billing electricity meters disposal line

A customer needed to reliably dispose of disused electricity meters, which had been used for measuring electricity consumption; the measured figures were used for invoicing. The customer required a specialised autonomous machine capable of disposing of 500 electric meter units per hour. The units had to be destroyed so that they could no longer be used, but fragments were to be sorted for recycled use or eco-friendly disposal.

During the project, the customer supplemented the required specification and ordered an additional device that could reliably destroy the dial of the meter by piercing it. We designed and manufactured complex line that could destroy electricity meters, adjustable to various types and sizes of disposed devices. At present, the capacity of the line is 3 000 units per hour.

Waste shredding in an incineration plant

A customer needed to shred seized counterfeited shoes, clothes, plastic toys, cartons of cigarettes, as well as documents, etc. The input waste had different sizes of boxes ranging from 200x400x x200 mm to 600x800x600 mm. The required size of the crushed output material was 80x200mm and the quantity was about 3 - 5 t/h.

Based on the requirements, we designed and manufactured the SDT 1650 – shredder with pressing device for oversize boxes and waste. The machine is very robust and fully satisfies the customer's needs.



Glass bottles crushing line

The French government authorities needed to solve the problem of waste glass bottles in remote territories, such as the island of Réunion in the Indian Ocean. They required a glass crushing machine that could be transported the same way as containers. Furthermore, for the purpose of transport by sea the device had to fit into shipping containers. The purpose of the machine was to reduce the volume of glass waste, especially bottles, which would also reduce the costs of transport during disposal or use in production.

As a result of rigorous design we managed to produce an automatic line and reduce the size of the line's devices from three to two shipping containers. That allows not only transport by sea in two 20-foot shipping containers but also transport on land using a single container carrier with a trailer. After being transported to the required place, the glass bottles crushing line with crushed output material in three fractions with pre-defined parameters.



| plastic barrels | plastic intakes | PET bottles | aluminum cans | glass | printed circuits | electronic waste | aluminum cables | copper cables | sheet metal barrels | linoleum | rags | carpets | rubber | passenger car tires | truck tires | oil filters | TAP upholstery | RDF alternative fuel | construction waste | construction materials |
|-----------------|-----------------|-------------|---------------|-------|------------------|------------------|-----------------|---------------|---------------------|----------|------|---------|--------|---------------------|-------------|-------------|----------------|----------------------|--------------------|------------------------|
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AGRO CS, a. s. Říkov 265 552 03 Říkov Czech Republic tel.: +421 908 458 804 +420 731 629 908 +420 603 836 837 e-mail: engineering@agrocs.cz