



BOCO
PARDUBICE



RECYCLING
REGRANULATION
COMPOUNDING

RECYCLING MARATHON LINE

INNOVATIVE RECYCLING SOLUTIONS



These lines, thanks to their flexibility, can process a wide range of plastic waste, especially PE, PP films and rigid plastic crushed material PP, PE, PS, ABS etc. All models of MARATHON LINE are controlled by latest PLC controlling system, which allows a large number of different user settings including saving of the recipes, user permissions, remote access and much more. The new series is also characterized by a significantly reduced power consumption and thus saves production costs and alleviates the detrimental impact on ecology. What is more the technology allows to put the maximum possible amount of waste material back into the production.

THE LINE CONSISTS OF:

1. SINGLE-SCREW EXTRUDER BOCOMATIC
2. AGGLOMERATOR (CUTTER COMPACTOR)
3. SCREEN CHANGER WITH BACKFLUSH
4. WATER RING GRANULATION (CAN BE SUPPLIED WITH UNDERWATER GRANULATION)

SURVEY OF MARATHON LINES

| LINE TYPE | RM-V 300 | RM-V 400 | RM-V 500 | RM-V 650 |
|---------------------------|-----------------|-----------------|-----------------|-----------------|
| Screw diameter | 75 mm | 90 mm | 100 mm | 120 mm |
| Main electric motor power | 75 kW | 90 kW | 132 kW | 200 kW |
| Agglomerator motor power | 55 kW | 75 kW | 132 kW | 160 kW |
| Line output | 200 – 300 kg/hr | 300 – 400 kg/hr | 400 – 550 kg/hr | 550 – 700 kg/hr |

REGRANULATION

REGRANULATION LINE RL-135

EFFICIENT SOLUTION FOR YOUR PRODUCTION



The RL-135 Regranulation line is designed for processing of plastic waste in form of plastic crushed material, can process thermoplastic materials ABS, PE, PEI, POM, PP, PTFE. Line output ranges from 100 to 135 kg / hr. The line is controlled by a PLC module with touch screen, the extruder is equipped with a sensor for measuring pressure and melt temperature and other safety elements. Operation of the line is in the maximum possible extent user-friendly. The line is equipped with water ring granulation as standard, can be replaced by underwater granulation according to customer requirements.

THE REGRANULATION LINE CONSIST OF:

1. SINGLE-SCREW EXTRUDER EB-P 60
2. HYDRAULIC SLIDE PLATE SCREEN CHANGER
3. WATER RING GRANULATION
OR UNDERWATER GRANULATION

| LINE TYPE | RL-135 |
|---------------------------|--------------------|
| Screw diameter | 60 mm |
| Main electric motor power | 37 kW |
| Line output | 100 - 135 kg / hr. |

REGRANULATION

STRAND LINE BOCOMATIC

BEST SOLUTION FOR YOUR PRODUCTION



We offer complete strand pelletizing lines that will fully meet your requirements. Thanks to their flexibility can process a wide range of rigid plastic crushed material PP, PA, PE, PC and others. Our lines are known for their reliability, modern technology, excellent quality of the cutting tools, flexibility, consistent outstanding of pellets quality and economical production. Operation of the machines is in the maximum possible extent user-friendly and controlling is intuitive.

THE REGRANULATION LINE CONSISTS OF:

1. SINGLE-SCREW EXTRUDER BOCOMATIC
2. HYDRAULIC SLIDE PLATE SCREEN CHANGER
3. COOLING STAINLESS TANK
4. STRAND CUTTER OF GRANULATE

SURVEY OF STRAND LINE BOCOMATIC

| LINE TYPE | Microgranulate | | | Standard granulate | | |
|---------------------------|----------------|-----------|-----------|--------------------|-----------|-----------|
| | RMS-B 100 | RMS-B 150 | RMS-B 300 | RS-B 100 | RS-B 150 | RS-B 300 |
| Screw diameter | 60 mm | 75 mm | 105 mm | 60 mm | 75 mm | 105 mm |
| Main electric motor power | 37 kW | 45 kW | 110 kW | 37 kW | 45 kW | 110 kW |
| Line output | 120 kg/hr | 150 kg/hr | 300 kg/hr | 140 kg/hr | 180 kg/hr | 330 kg/hr |

COMPOUNDING

COMPOUNDING LINE BOCOMATIC



Plastic compounding is a process during which the extra materials (additives) are added into a melted plastic base. The result is a production of material with desired qualities. This process changes the physical, thermal, electrical or aesthetic characteristics of the plastic material. Wide range of materials can be processed by the compounding lines, e.g. PP, HDPE, LDPE, LLDPE, ABS, engineering thermoplastics – PA, PET, PC, ABS, PBT, PPS, material sensitive to heat or shear – thermoplastic rubber, foamed polymer, XLPE, etc. The compounding lines are interesting for their low energy consumption. Optimal and extremely gentle product compounding, because of higher filling degree and lower melt temperature, is ensured.

EXAMPLE OF THE COMPOUNDING LINE COMPOSITION:

1. DOUBLE-SCREW EXTRUDER
2. HYDRAULIC SLIDE PLATE SCREEN CHANGER
3. MELT GEAR PUMP
4. SUBSEQUENT PERIPHERALS AFTER AGREEMENT

SURVEY OF COMPOUNDING LINES

| LINE TYPE | EB-K 26 | EB-K 42 | EB-K 65 | EB-K 77 | EB-K 92 | EB-K 130 |
|---------------------------|--------------|----------------|-----------------|-----------------|------------------|-------------------|
| Screw diameter | 26 mm | 42 mm | 65 mm | 77 mm | 92 mm | 130 mm |
| Main electric motor power | 5,5 – 11 kW | 55 – 75 kW | 90 – 110 kW | 160 – 200 kW | 315 – 500 kW | 600 – 900 kW |
| Line output | 5 – 50 kg/hr | 40 – 120 kg/hr | 100 – 400 kg/hr | 250 – 650 kg/hr | 500 – 1300 kg/hr | 1200 – 3000 kg/hr |

Note: Screw diameter and main electric motor power are variable and it is possible to adapt production requirements.



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The company BOCO PARDUBICE machines, s.r.o. has more than 25 years of tradition with a focus on the production of machinery and equipment for the plastics and rubber industry.

Its technological background and range of offered professional services make from this firm one of the leading manufacturing companies in the plastics and rubber industry in the Czech Republic and the EU.

Contact details are available on our website

www.boco-extruders.eu/contact

We also produce:



Extrusion lines



Screws and barrels



Single-screw extruders



Twin-screw extruders



Laboratory extruders



Thermal insulation covers



Wheel clamps for cars and trucks



Hydraulic mold opener



Design and production of tools for extrusion (heads, nozzles, etc.)