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Czech Republic



BOCO
PARDUBICE



BOCO PARDUBICE MACHINES
YOUR PARTNER
IN THE WORLD OF EXTRUSION

EXTRUDERS

for processing thermoplastics

EB-P



BASIC TECHNICAL DATAS:

Extruder	Screw diameter in mm	Output in kg/hr	Output of main power in kW	Total input of extruder in kW
EB-P 30	30	5 - 30	5,5 - 11	15 - 25
EB-P 45	45	7,5 - 90	11 - 22	25 - 45
EB-P 60	60	35 - 180	22 - 45	50 - 95
EB-P 75	75	45 - 300	30 - 75	60 - 125
EB-P 90	90	60 - 550	55 - 132	115 - 210
EB-P 120	120	100 - 700	90 - 200	-
EB-P 150	150	500 - 1000	110 - 315	-
EB-P 180	180	700 - 1500	132 - 355	-
EB-P 200	200	1000 - 2000	355 - 750	-
EB-P 250	250	2000 - 3000	750 - 1000	-

Our single screw extruders EB-P are suitable for processing **PP, PE, LDPE, HDPE, PVC, PA, TPV, TPE**. They can be connected to any peripherals, e.g. for extruding pipes, profiles, filament, flat films, etc.

The basic series includes a broad range of extruders with:

- screw diameters from 30 to 250 mm
- screw working length from 27 to 33 L/D
- extruder output from approx. 5 kg/hr to 3000 kg/hr (depending on the processed material)

All our extruders are equipped with a touch screen control system for monitoring and operation.

The mentioned overview provides the basis for follow-up equipment that is specially designed to your needs and requirements. For this, we use our extensive know-how and many years of experience.

For more information, do not hesitate to contact our sales representative.

Examples of the specification of extruders BOCO EB-P

SERIES EB-P 30

Extruder	Screw diameter in mm	Working screw length L/D	Output in kg/hr	Output of main power in kW	Suitable for material	Possibility of evacuation
EB-P 30/27	30	27	5 - 15	5,5	PVC	YES
EB-P 30/30	30	30	5 - 20	7,5	PP,PE,LDPE,HDPE, ABS, PS,TPE, PES	YES
EB-P 30/33	30	33	5 - 25	11	PP, PE	NO

SERIES EB-P 45

Extruder	Screw diameter in mm	Working screw length L/D	Output in kg/hr	Output of main power in kW	Für das Material geeignet	Possibility of evacuation
EB-P 45/27	45	27	7,5 - 35	15	PVC	YES
EB-P 45/30	45	30	7,5 - 45	18,5	PP,PE,LDPE,HDPE,ABS, PS ,TPE, PES	YES
EB-P 45/33	45	33	10 - 55	22	PP, PE	NO

SERIES EB-P 60

Extruder	Screw diameter in mm	Working screw length L/D	Output in kg/hr	Output of main power in kW	Suitable for material	Possibility of evacuation
EB-P 60/27	60	27	20 - 80	22	PVC	YES
EB-P 60/30	60	30	30 - 115	37	PP,PE,LDPE,HDPE, ABS, PS,TPE, PES	YES
EB-P 60/33	60	33	40 - 150	45	PP, PE	NO

SERIES EB-P 75

Extruder	Screw diameter in mm	Working screw length L/D	Output in kg/hr	Output of main power in kW	Suitable for material	Possibility of evacuation
EB-P 75/27	75	27	45 - 130	37	PVC	YES
EB-P 75/30	75	30	50 - 165	55	PP,PE,LDPE,HDPE, ABS, PS,TPE, PES	YES
EB-P 75/33	75	33	75 - 210	75	PP, PE	NO

SERIES EB-P 90

Extruder	Screw diameter in mm	Working screw length L/D	Output in kg/hr	Output of main power in kW	Suitable for material	Possibility of evacuation
EB-P 90/27	90	27	60 - 200	75	PVC	YES
EB-P 90/30	90	30	65 - 280	90	PP,PE,LDPE,HDPE, ABS, PS,TPE, PES	YES
EB-P 90/33	90	33	80 - 320	110	PP, PE	NO

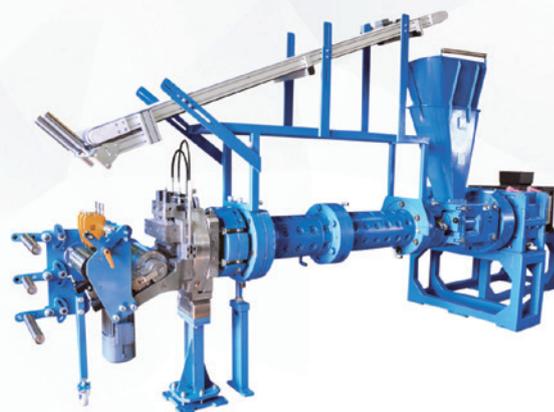
In case of evacuation variant the functional length of the screw is extended by ca 10 L / D.

The variant with screw working length 33 L / D is suitable for maximizing the output of pure materials such as PP and PE or for a perfect mixing of other material, but with a lower maximum output.

EXTRUDERS

for processing of rubber compounds and EPDM

EB-G EB-G NG



BASIC TECHNICAL DATAS:

Extruder	Screw diameter in mm	Output in kg/hr	Output of main power in kW	Feed roller
EB-G 60	60	25 - 120	30	YES
EB-G 75	75	40 - 200	55	YES
EB-G 90	90	60 - 300	75	YES
EB-G 120	120	90 - 450	90	YES
EB-G 150	150	115 - 800	132	YES
EB-G 200	200	*	*	YES
EB-G 250	250	*	*	YES

*Based on your needs, we are able to modify these parameters according to your requirements.

The EB-G series extruders are designed for efficient processing of rubber compounds and EPDM. Extruders are equipped with a feed roller for ideal pick up of the rubber strip and are heated/cooled by tempering units.

Barrels and underhopper parts are lined and thereby we reduce costs of refurbishment of our machines. Liners may be nitrided, hardened or bimetallic (depends on the used type of material).

The list of extruders mentioned above is a basic offer. Based on your needs, we are able to modify these extruders according to your expectations and requirements.

BASIC TECHNICAL DATA EB-G NG:

Extruder	Screw diameter in mm	Output in kg/hr	Output of main power in kW
EB-G NG 90	90	60 - 400	55

Extruder of new EB-G NG series is equipped with a linear guide, which allows a quick replacement of the strip feeder for the hopper with granulate. **This unique capability to process both granules and strip in combination allows both feedstocks to be used on one machine.** The extruder rebuild is designed to be completed by one person in a few minutes.

For more information, do not hesitate to contact our sales representative.



EXTRUDERS

for silicone processing

EB-S



BASIC TECHNICAL DATAS:

Extruder	Screw diameter in mm	Output in kg/hr	Output of main power in kW	Feed roller
EB-S 75	75	40 - 320	30	YES
EB-S 90	90	80 - 420	37	YES

The EB-S series extruders are specially designed for silicone processing and are equipped with a feed roller for ideal dosing of the silicone compound. All the important parts of the extruder – barrel, underhopper part, feed roller, screw – are ready for cooling.

The barrels and underhopper parts are lined. The liners are recommended to be supplied in hardened version. Nitrided or bimetallic liners can also be supplied on request. The use of liners can reduce the cost of refurbishment of our machines.

We work together with our customers to design optimal solutions according to their requirements and needs.

EB-S Extruders are an integral part of extrusion lines for silicone processing.

For more information, do not hesitate to contact our sales representative.

TWIN-SCREW EXTRUDERS

EB-D



BASIC TECHNICAL DATAS:

Extruder	Screw diameter in mm	Output in kg/hr	Output of main power in kW	Total input of extruder in kW
EB-D 75	2 x 75	40 - 250	30	ca 65
EB-D 90	2 x 90	65 - 340	37	ca 85
EB-D 107	2 x 107	80 - 450	55	ca 110
EB-D 120	2 x 120	120 - 650	74	ca 165

Our twin screw extruders EB - D are parallel - counterrotating and are suitable for processing PVC and other materials in the form of granulate or powder. The controlled feeding of the basic materials is carried out by a single-screw unit.

They are used, for example, for the extrusion of pipes, profiles, etc.

The series includes a wide range of sizes:

- Screw diameters from 75 to 120 mm
- Output capacity from ca 40 kg/hr to 650 kg/hr

We work together with our customers to design optimal system concepts according to their requirements and needs.

All our extruders are equipped with a control system with touchscreen for monitoring and operation.

For more information, do not hesitate to contact our sales representative.

LABORATORY EXTRUDERS

EB-L



BASIC TECHNICAL DATAS:

Extruder	Screw diameter in mm	Screw working length	Output in kg/hr	Total input in kW	Output of main power in kW
EB-L 30	30	30 L/D	2 - 10	9	7,5
EB-L 40	40	14 L/D	3 - 15	7	4

The new series of EB-L laboratory extruders is designed especially for testing and development of new material compounds.

- EB-L 30 for thermoplastics
- EB-L 40 for rubber compounds and EPDM

EB-L 30 laboratory extruder can process input material in the form of both classical granulates or powders.
EB-L 40 laboratory extruder can process rubber strips or granulates.

These extruders are designed for a specific or testing production to detect defects in material or possible impurities. With our laboratory extruders, the characteristics of materials can be verified outside of serial production.

Both types of extruders are equipped with a sensor for measuring melt temperature and pressure.

For more information, do not hesitate to contact our sales representative.

COMPOUNDING EXTRUDERS

EB-K



BASIC TECHNICAL DATAS:

Extruder	Screw diameter in mm	Output in kg/hr	Output of main power in kW
EB-K 26	2 x 26	5 - 50	5,5 - 11
EB-K 42	2 x 42	40 - 120	55 - 75
EB-K 65	2 x 65	100 - 300	90 - 110
EB-K 77	2 x 77	250 - 650	160 - 200
EB-K 92	2 x 92	500 - 1300	315 - 500
EB-K 130	2 x 130	1200 - 3000	600 - 900

The series of EB-K co-rotating twin screw extruders are used as compounders – and are suitable for **the perfect homogenisation of plastics and additives.**

They are used for the production of customer-specific plastics.

They can process a wide range of different materials, such as PP, HDPE, LDPE, LLDPE, ABS, construction plastics – PA, PET, PC, ABS, PBT, PPS, heat and stress sensitive materials – thermoplastic rubber, foam polymers etc.

The extruders are fed in a controlled manner with a feed screw and are equipped with a Zambello gearbox.

For more information, do not hesitate to contact our sales representative.

CO-EXTRUDERS

EB-KOEX



Our compact EB - KOEX **Co-extruders are suitable for use in extrusion lines.**

Their use is very wide and versatile, e.g. for the production of multi-layer plastic products, for colour marking of pipes, profiles and cables, etc.

Their advantage is their minimal dimensions; they can be rotated and optimally positioned in space.

Co-extruders are suitable for processing thermoplastics, rubber and EPDM.

In cases of large space requirement, we manufacture co-extruders according to customer specifications.

For more information, do not hesitate to contact our sales representative.



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

Our technological background and range of offered professional services ranks us among 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:



Recycling lines



Regranulation lines



Compounding lines



Extrusion lines



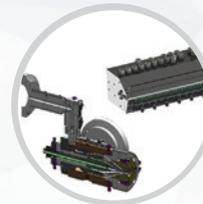
Screws and barrels



Thermal insulation covers for machines



Wheel clamps for cars and trucks



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