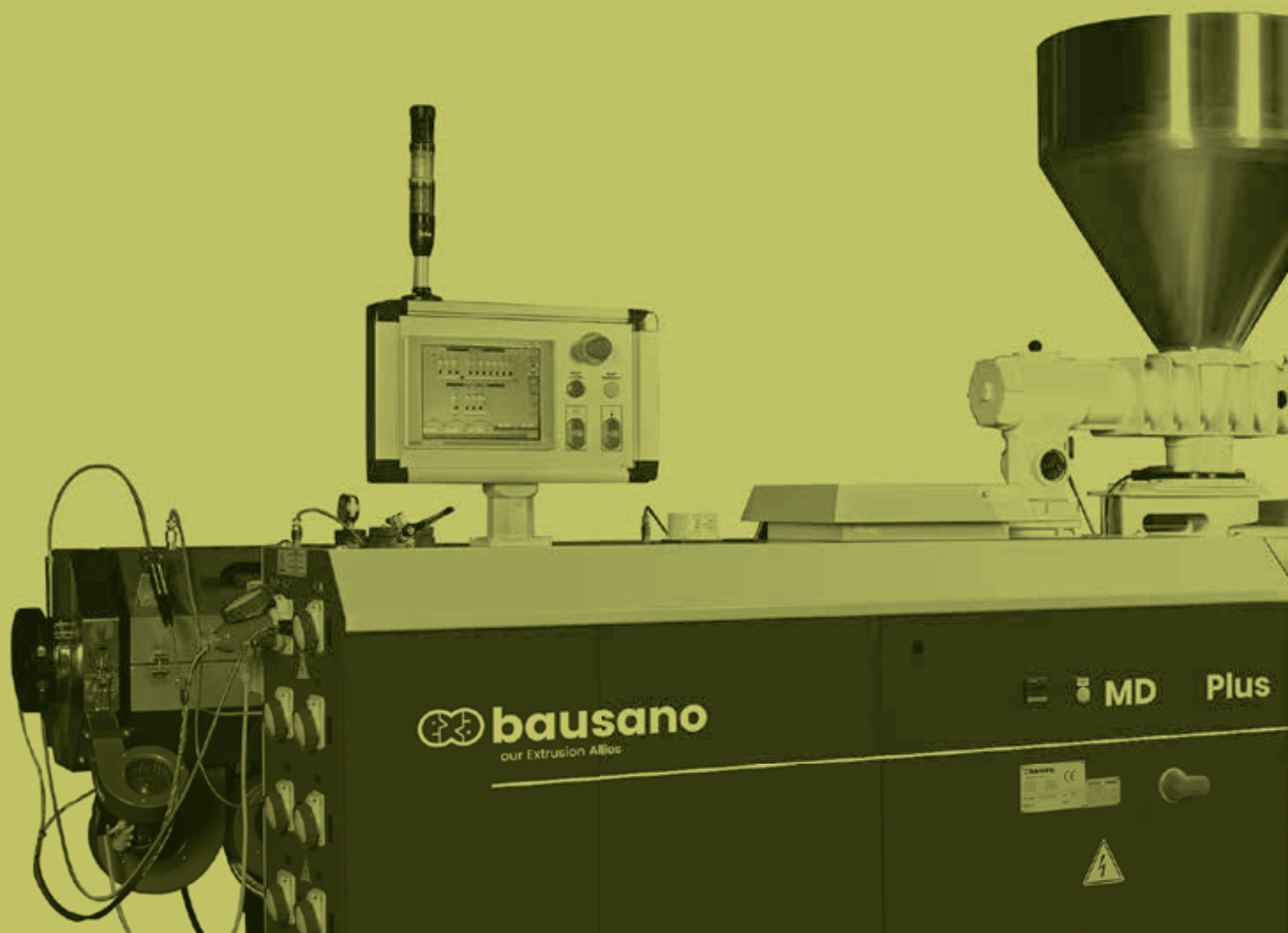




EXTRUSION LINES
FOR PRODUCTION OF
PIPES



Extrusion lines for pipes



DESIGN

Bausano designs and implements complete lines based on twin screw extruder technology of MD Plus family, suitable for production of thermoplastic pipes with diameters starting from a few millimetres up to 1,600 mm.

Bausano lines enable the production of product types for various applications: from rigid pipes with wide cross-section to flexible pipes with small diameter, from monolayer to multilayer products, from smooth to corrugated pipes.



APPLICATIONS

Thanks to their resistance and reliability, the pipes produced with our extrusion lines are used in many fields and for a number of different uses:

- **BUILDINGS** - pipes for transport of liquids, for high pressure or for drainage;
- **CONDUIT** - smooth corrugated or spiral pipes;
- **AGRICULTURE** - pipes for irrigation, drip irrigation, braided pipes;
- **PETROCHEMICAL** - pipes for transport of gases and hydrocarbons;
- **MEDICAL** - pipes for medicinal products, pump pipes, dental pipes;
- **AUTOMOTIVE** - air conveyance pipes, cable pipelines;
- **TELECOMMUNICATIONS** - cable protection pipes.



MATERIALS

Designed to meet a number of different needs, the Bausano extrusion lines for pipes are able to process several types of plastic materials:

- soft and rigid, transparent, supercharged PVC, or combined with acrylic resins;
- CPVC (Chlorinated polyvinyl chloride);
- PO, Polyolefins such as PE (Polyethylene), PP (Polypropylene), HDPE, LDPE;
- PVC- or Polyolefin-based WPC.

Characteristics of pipe lines

Bausano systems are manufactured according to the specifications required by the single customer, with complementary machines tailored to the production goals.

Our goal, from the design process, is the fulfilment of the requirements of pipe manufacturers, thus ensuring high productivity and a good melt homogeneity, in addition to further attention to noise reduction.

Every line is complete with cooling tank and calibration bench, take off and cutting units, each featuring special measures to reach an additional energy saving of up to 50%!

Optional accessories:

- gravimetric dosing units;
 - diameter and thickness meters;
 - bellling machines;
 - corrugators;
 - hot or ink jet marking devices;
 - metre counters;
 - coilers;
 - unloading devices.
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Technology and customisation of machines



DIGITAL EXTRUDER CONTROL

Control panel for remote control of the machine, malfunction management parameters of work.

MULTIDRIVE SYSTEM 4X2

Increase of power available on screws and motion distribution over several points.



ENERGY EFFICIENCY

High energy efficiency with low kW/Kg ratio.

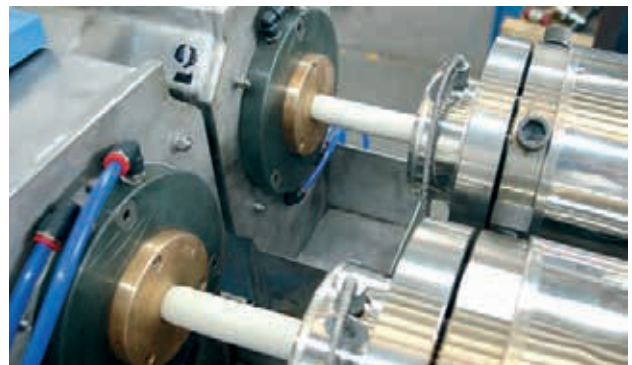
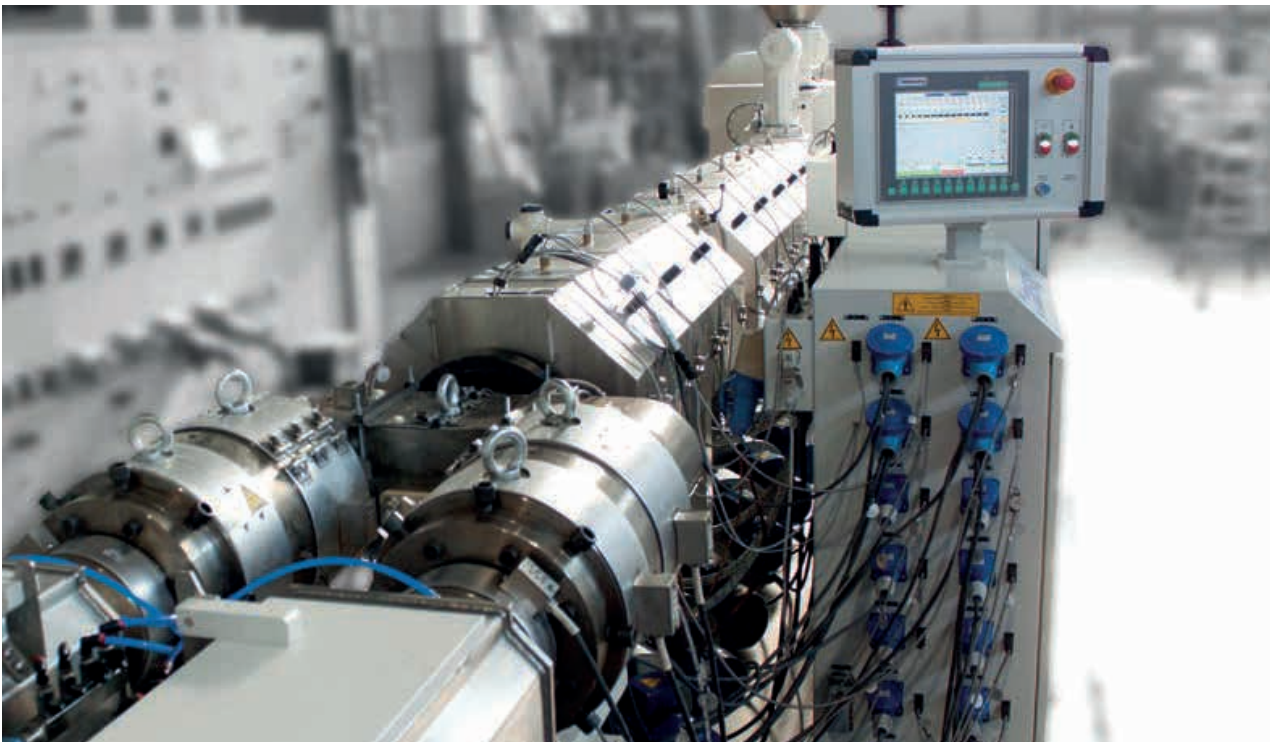
SAFETY

Compliance with the latest parameters of safety, health and hygiene at work.



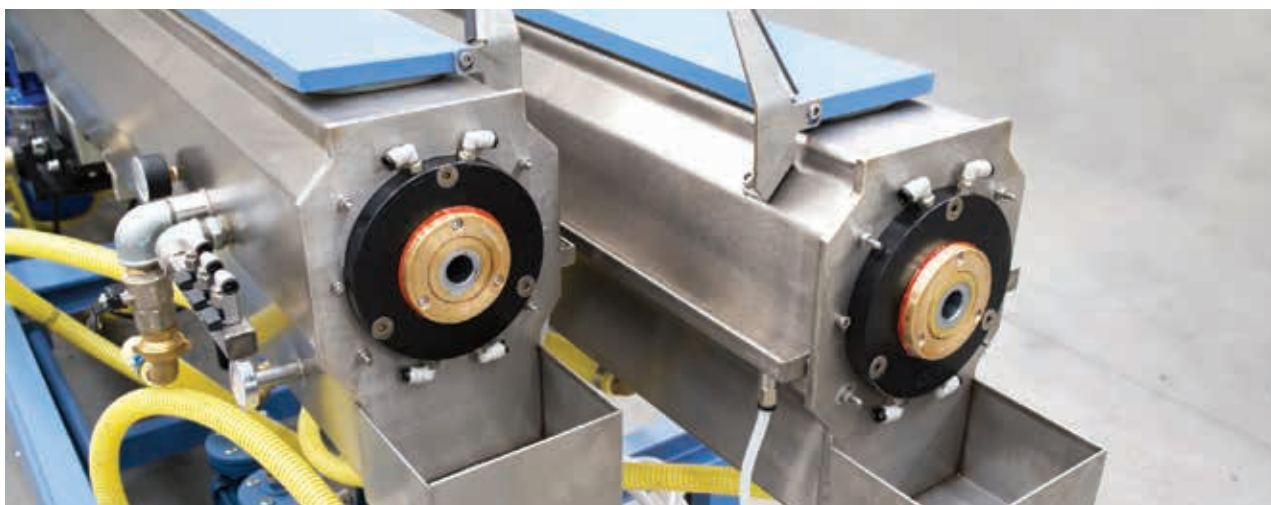
welcome to the world of
BAUSANO

SINGLE OR DOUBLE OUTPUT HEAD



Each extrusion head is manufactured to meet the specific needs and process parameters of each processed material and desired final product.

CALIBRATION BENCH



Manufactured according to the product characteristics and made of stainless steel, it ensures the total absence of corrosion and allows maximising extrusion pipe productivity.

CALIBRATION BENCH						
	BT 75 ML	BT 160 MB	BT 250 MB	BT 315 MB	BT 500 MB	BT 630 MB
Vacuum sized diameter minimum (mm)	10	10	32	63	90	160
Vacuum sized diameter maximum (mm)	75	160	250	315	500	630
Installed electrical power (kW)	8,8	8,8	8,8	12,5	23	25
Water drain (without reclaiming) (m ³ /h)	3,8	4,3	5,2	5,8	6,5	7,8

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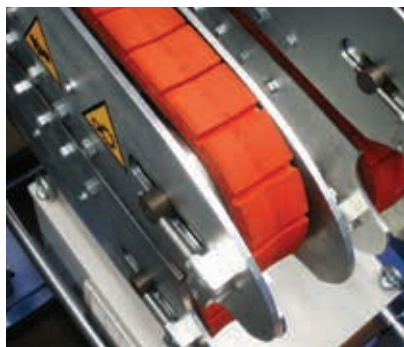
COOLING TANK



Designed for cooling of pipes with diameter up to 800 mm, it allows reaching high extruded material linear speeds, ensuring the maximum dimensional stability. The ease of adjustment on 3 axes and the motor-driven longitudinal movement allow quick and precise positioning during machining.

COOLING TANK				
	BTR 160 MB	BTR 315 MB	BTR 500 MB	BTR 800 MB
Minimum vacuum sized diameter (mm)	10	63	160	160
Maximum vacuum sized diameter (mm)	160	315	500	800
Installed electrical power (kW)	4	4	5,5	7,5

TAKE OFF UNIT

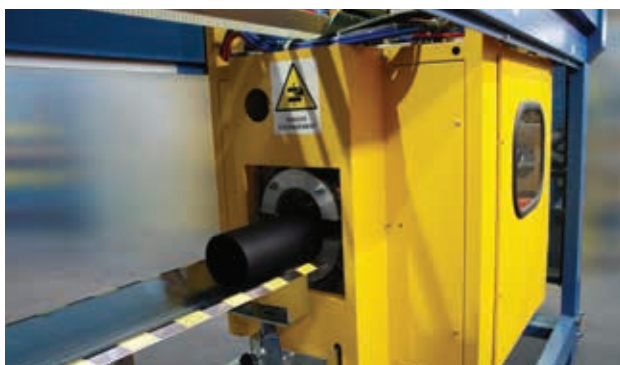


Take off pipes with 2, 3 or 4 tracks, with flat and shaped rubber pads, complete the lines. Special take off units with useful pick-up devices in length and width able to meet any special needs.

TAKE OFF UNIT				
	TNV-15/150	C/250	C/500	C/800
Ø min/max (mm)	16/160	32/250	63/500	100/800
Pulling speed (m/min)	0,2/6 0,8/24	0,21/10,6	0,15/7,3	0,12/5,8
Installed electrical power (kW)	5	4	5	5

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CUTTING UNIT

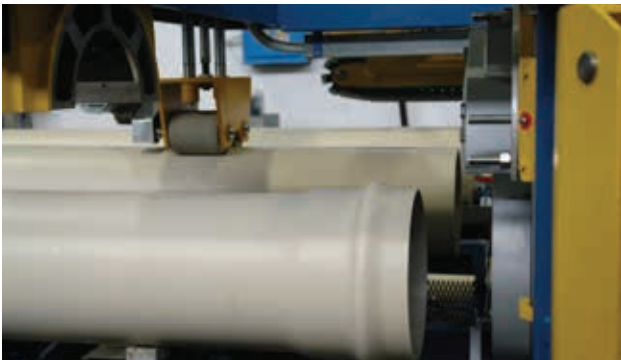


Modular and ergonomic unit, provided with automatic pneumatic movement that does not require manual operation for adjustments such as cut length, trolley forward and backward speed.

CUTTING UNIT					
	TAV/90	TAV/160	TRS/250	TRS/400	TRS/180-800
Cut-off length (mm)	90	160	32/250	50/400	180/800
Min cut-off length (mm)	300	500	500	1000	1000
Installed electrical power (kW)	2,6	2,6	5,5	6,5	7,5
Air consumption per cycle (NI)	1,5	1,5	39	55	80

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BELLING MACHINE



All our pipe production lines can be completed with the equipment required to widen and adapt the pipe inlets.



Your Extrusion Allies

info@bausano.com

www.bausano.com

USA

info@bausano.us

www.bausano.us

BRASIL

info@bausanodobrasil.com

www.bausanodobrasil.com

INDIA

info@rajoobausano.com

www.rajoobausano.com