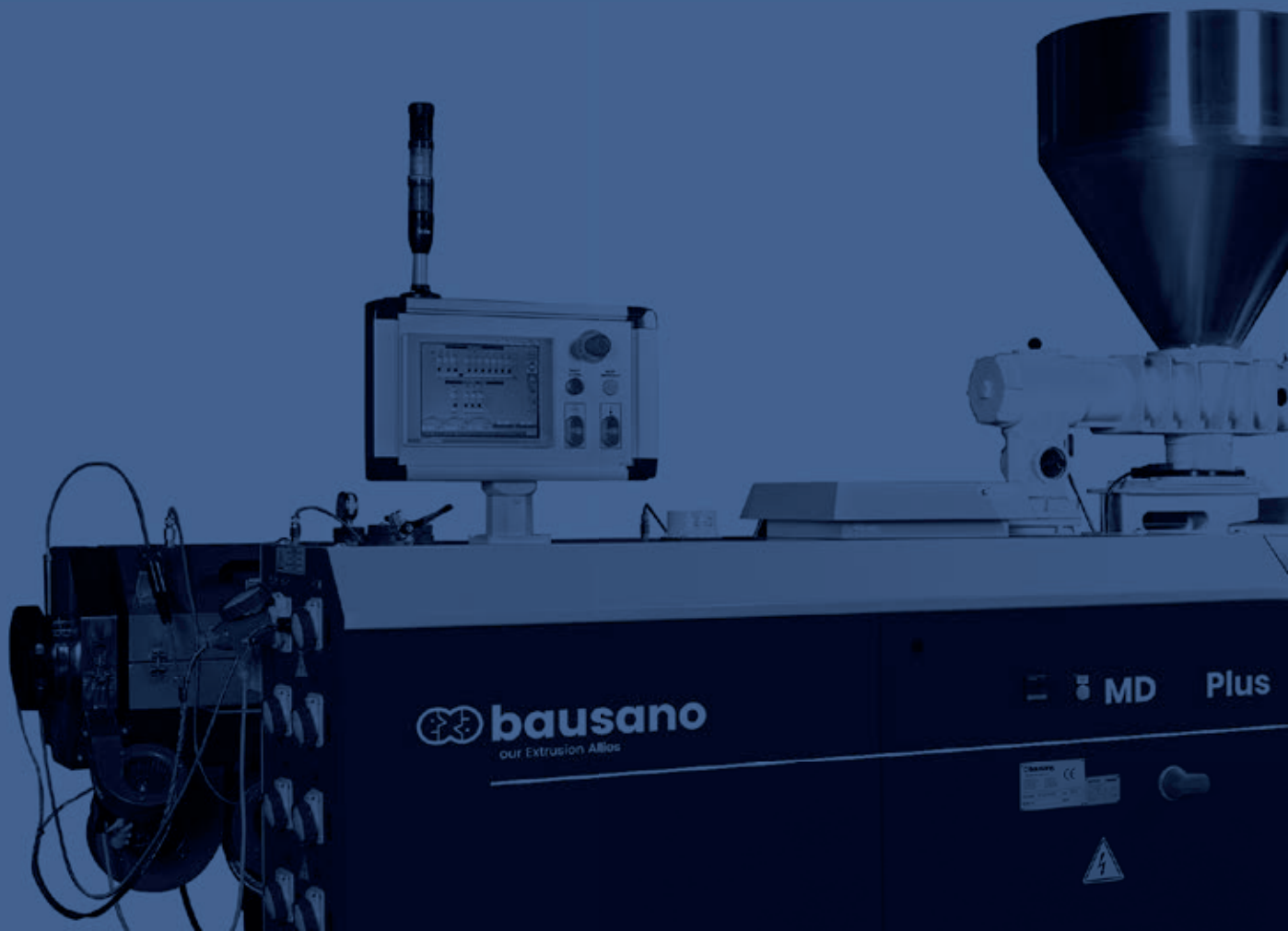




EXTRUSION LINES
FOR PRODUCTION OF
PROFILES



Extrusion lines for profiles



TECHNOLOGY

The patented MULTIDRIVE technology of Bausano MD Plus extruder range and the long-standing experience in plastic processing allow the ensurance of the performance and great reliability over time.

Our lines allow the production of rigid and flexible profiles with different weights and dimensions - from a few grams to several kilogrammes/metre, from a few millimetres to more than one metre width.



DESIGN

We design our extrusion lines with the same goals every day:

- development of solutions that solve the everyday problems of people working in this sector;
- efficiency and reduction of energy consumption and production scraps;
- enhancing of our systems, ensuring their lasting life cycle;
- electronic simplification of machine control panels, to make them easy to use also by unspecialised operators.



APPLICATIONS

Thanks to their reliability, practicality and great resistance over time, the profiles manufactured with our extrusion lines are increasingly in demand for a number of applications:



DOORS AND WINDOWS

Profiles for windows, roller shutters, doors and windowsills



BUILDINGS

Electric conduits, staff angles, baseboards, chimney weathering and gutters



FURNITURE & DESIGN

Technical and aesthetic, expanded and co-extruded profiles

Characteristics of profile lines

Each line can be composed and customised in every detail with Bausano accessories and machines: the best of technology to ensure high productivity and constant performance over time.

To complete our lines, you can find:

- **heads** with machine control and fully thermoregulated, both inside and outside. They can be solid or alveolar, modular or with variable opening for expanded materials;
 - **calibration and cooling benches** that enable the profile just off the production line to keep the desired shape with the aid of pneumatic vacuum and water cooling;
 - **take off modules** provided with local and remote PLC control with mobile panel that can be positioned at any point of the line and synchronised with the extruder;
 - **vertical cutter**: suitable for profiles up to 300 mm or **horizontal cutter**: designed for production of wide flat profiles.
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Technology and customisation of machines

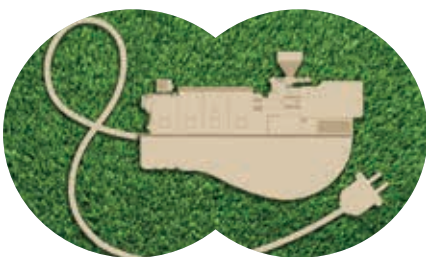


DIGITAL EXTRUDER CONTROL

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.

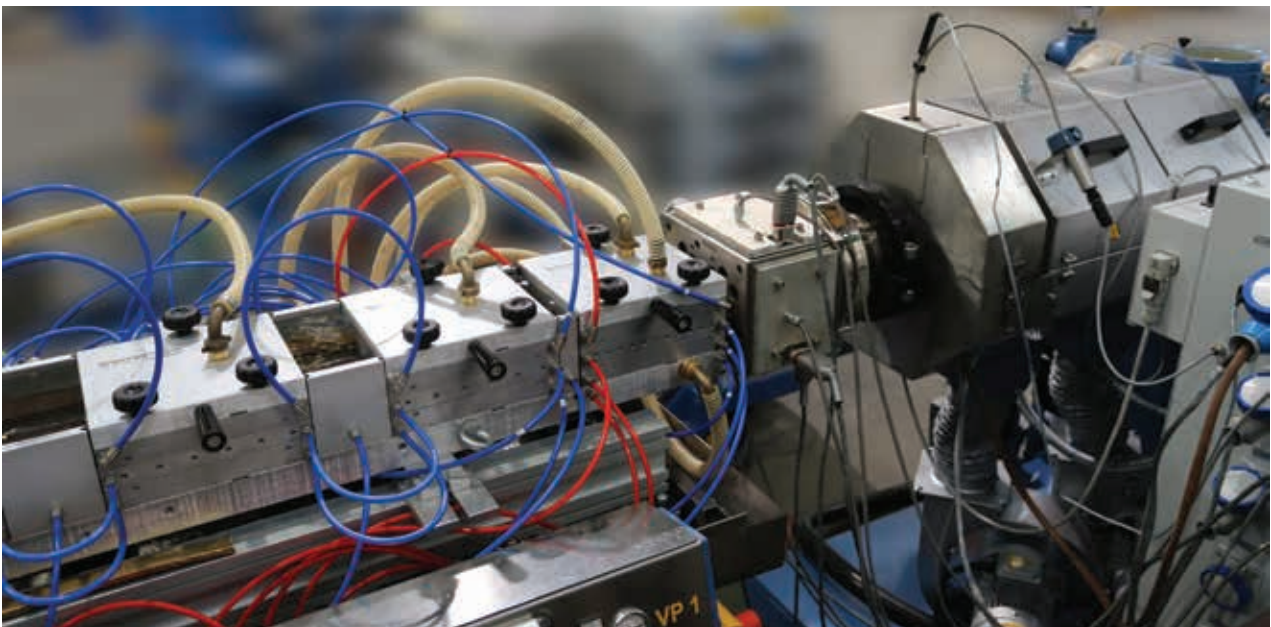
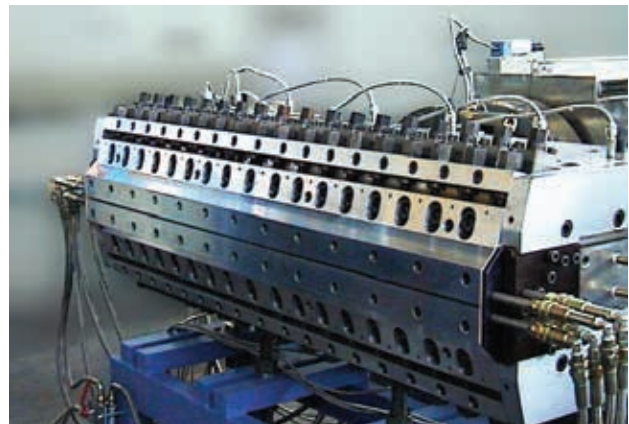
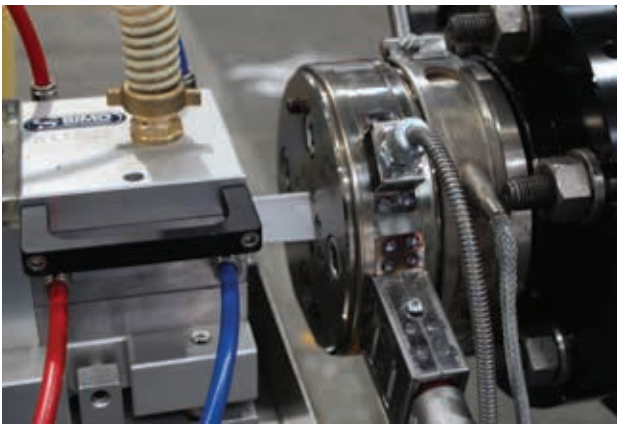
SAFETY

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



welcome to the world of
BAUSANO

SINGLE OR DOUBLE OUTPUT EXTRUSION AND CO-EXTRUSION HEAD



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

CALIBRATION AND COOLING BENCH



Designed to reach high extruded material linear speeds and ensure dimensional stability, with an energy saving of up to 50%.

CALIBRATION AND COOLING BENCH

	BP/2P/ML	BP/1P4/MB	BP/2P4/MB	BP/3P7,5/MB	BP/4P9/MB
Length of calibrator holder beam (mm)	3500	5600	5600	5600	5600
Longitudinal transverse of calibrator holder beam (mm)	1000	1000	1000	1000	1000
Transversal displacement (mm)	40	40	40	40	40
Vertical adjustment (mm)	880-1130	880-1130	880-1130	880-1130	880-1130
Vacuum pump (nxkW)	2x4	1x4	2x4	3x7,5	4x9

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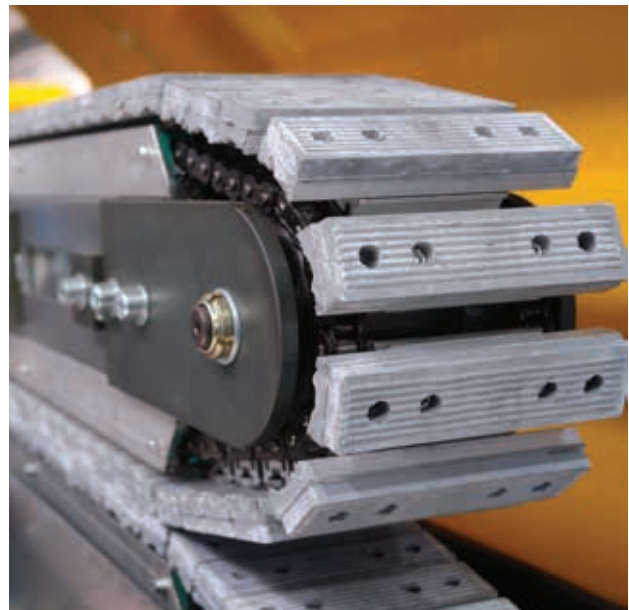
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CENTRALISED CONTROL PANEL



The operator controls the whole line, remaining near the production line: this is a great benefit for production control.

TAKE OFF UNIT



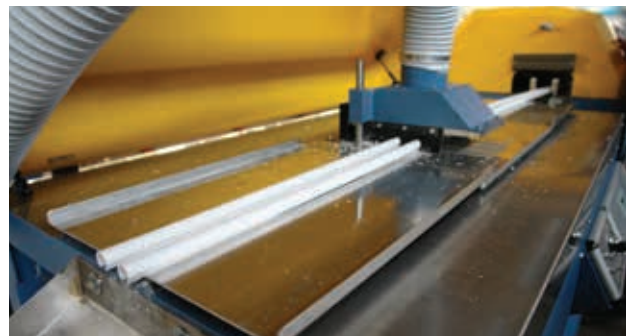
The take off units that complete the profile extrusion lines are sturdy and very reliable. Provided with track closure system with pneumatic regulation, they are available with special shape pads according to the type of extruded profile.

MB TAKE OFF UNIT

	TNP10-50N	TN 10-70N	TNP15-110ML	TNP15-150MB	TNP20-150MB	TNP20-250MB	TNP80-250MB	TNP120-250MB
Track length (mm)	belt 500	belt 700	1100	1500	1500	2500	2500	2500
Track width (mm)	100	100	150	150	200	200	800	1200
Max track opening (mm)	70	100	95	160	160	160	160	160
Hauling speed (m/1')	0,25-120	0,25-120	0,2-10 1-25	0,2-6 0,8-24	0,2-6 0,8-24	0,2-6 0,8-24	0,2-2,7 0,8-10	0,2-2,7 0,8-10
Take off force max (KN)	2,4	7,6/1,5	23	70	70	70	50-192	50-192

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VERTICAL CUTTER



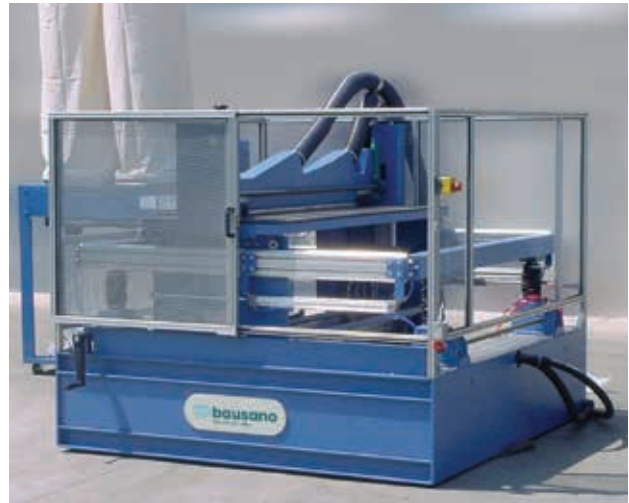
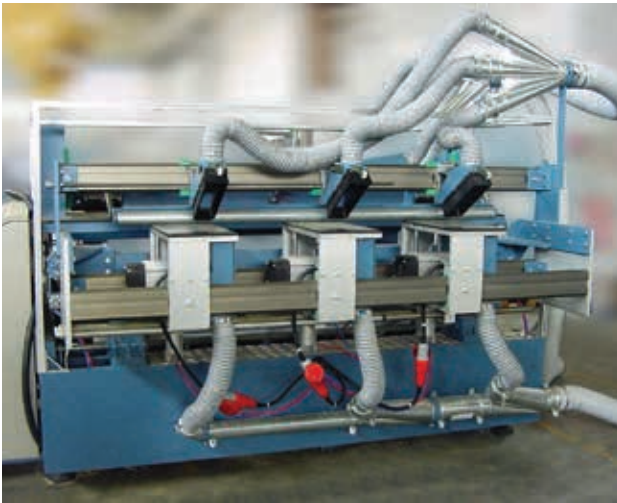
High cut speed vertical cutters for small profile complete the profile line.

VERTICAL CUTTER

	TAV/90	TAV/160
Cutting system	miller	miller
Cutting movement	vertical	vertical
Max cutting stroke (mm)	95	160
Min cutting length (mm)	300	500
Cutter power (kW)	1,5	1,5
Power of suction motor (kW)	1,1	1,1
Air consumption per cycle (NI/cy)	1,5	1,5

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HORIZONTAL CUTTER



Longitudinal transfer horizontal cutters for profiles greater than 300 mm, provided with automatic pneumatic movement that does not require manual operator interventions, complete the profile lines.

HORIZONTAL CUTTER			
	TAO/500	TAO/800	TAO/1200
Cutting system	millar	millar	millar
Cutting movement	horizontal	horizontal	horizontal
Max cutting stroke (mm)	600	850	1250
Min cutting length (mm)	200	200	200
Cutter power (kW)	1,5	1,5	1,5
Power of suction motor (kW)	2,2	2,2	2,2
Air consumption per cycle (NI/cy)	2	2	2

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