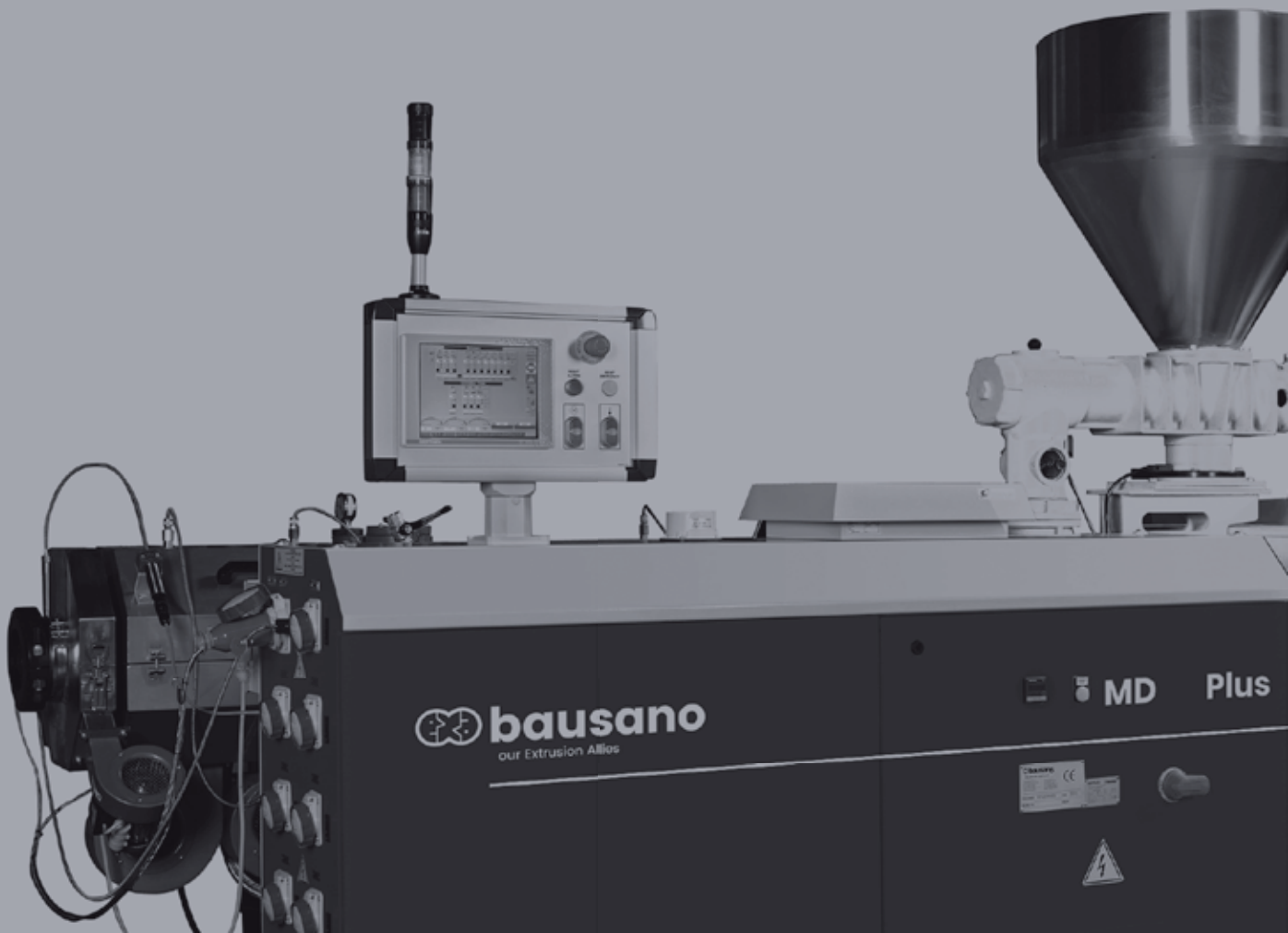
bausano

Your Extrusion Allies

EXTRUSION LINES
FOR PRODUCTION OF

MEDICAL

TUBES, BAGS AND SHEETS



Extrusion lines for medical products

DESIGN

The medical industry requires instruments that are safe, reliable, and custom-designed for processing of PVC and other non-toxic materials for sanitary use permissible under the Pharmacopoeia regulations.
Thanks to the single screw and twin screw extruder technology and the wide range of accessories, Bausano offers several solutions, all customisable, for the implementation of systems featuring high production and maximum efficiency.

QUALITY

The Bausano extruders are all tested to meet the requirements of the pharmaceutical industry and multiple sectors of medical industry. Our systems, thanks to the constant quality control and strict internal production standards, are designed to respect the requirements of legislation.

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MEDICAL TUBE

The technology of MD Plus and TM extruders ensures the thermal and plasticising stability at any production output.

MEDICAL BAG

Special heads and calibration systems with water cooling allow obtaining tubular elements for medical bags.

MEDICAL SHEET

Thanks to the satin finish of the inner side, the two internal walls of the pocket do not adhere, facilitating their separation during use and ensuring greater safety.

Characteristics of lines dedicated to the medical industry

Depending on the required production, Bausano implements modular elements and specially-made equipment to set up customised, sturdy and efficient customized lines, perfect for production goals.

Dimensional accuracy, surfaces, minimal tolerances and absence of contamination are only some of the requirements provided for by the regulations for the medical industry. Bausano is able to comply with such quality standards using state-of-the-art technology.

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

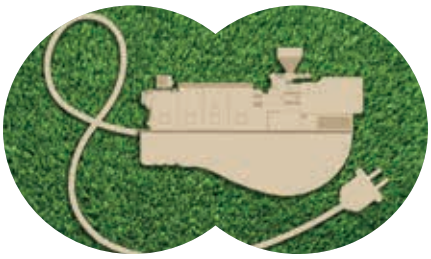
Technology and customisation of machines

DIGITAL EXTRUDER CONTROL

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

ENERGY EFFICIENCY

High energy efficiency with low kW/Kg ratio.



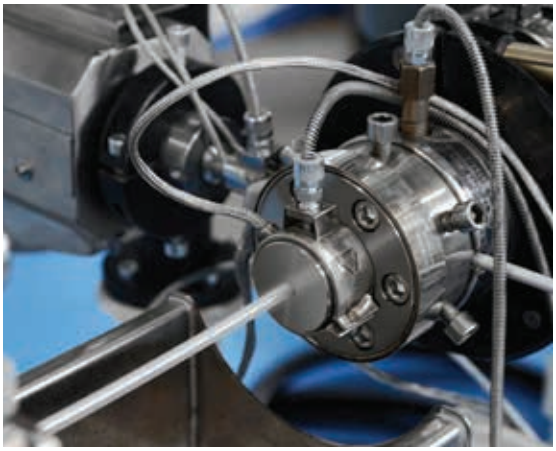
MEASURING SYSTEM

A unique measuring principle provides the maximum accuracy for detection of thickness and diameters.

WINDERS

Different automatic and manual types, with automatic adjustment of the pulling force.

EXTRUSION LINES FOR MEDICAL TUBE



EXTRUSION OR CO-EXTRUSION HEAD

to produce flexible and co-extruded tubes with coloured or radiopaque line, complete with quick opening system to facilitate cleaning and size changeover operations.

COOLING TANK AND DRYING SYSTEM

with stainless steel insulated water tank provided with upper anticontamination protections.
Conceived to prevent condensate formation, it allows a constant and uniform cooling of the extruded material.
Drying system featuring low energy consumption and maximum efficiency at any production output.

DOUBLE BELT TAKE OFF UNIT

designed to allow a constant drag and with a precise pressure regulation.

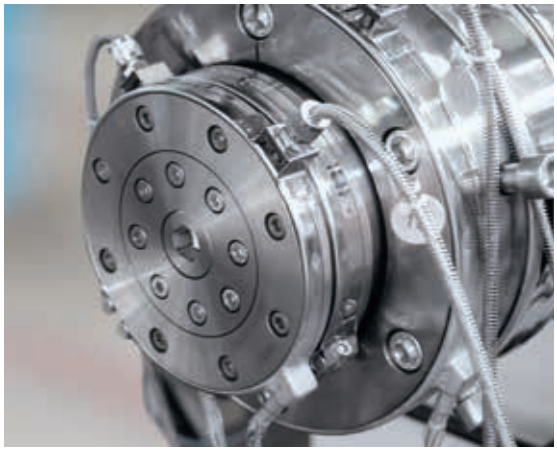
MEASURING SYSTEM

new measuring system for external diameter and thickness of the tube, with automatic alarms for fulfilment of dimensional tolerances.

WINDER

automatic and semi-automatic, to ensure an effective product collection also with high production outputs.

EXTRUSION LINES FOR MEDICAL BAG



EXTRUSION OR CO-EXTRUSION HEAD

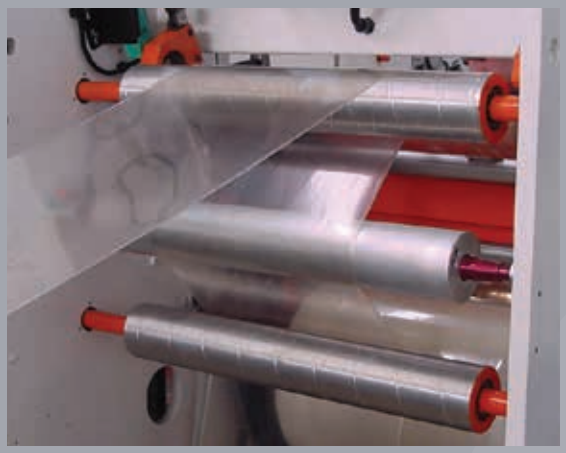
to optimise quality even with high outputs. Designed to ensure high outputs, in compliance with the quality standard provided for by the regulations.

COOLING SYSTEM

water-operated, to reach high extruded material linear speeds with the maximum dimensional stability.

CALIBRATION AND TAKE OFF DEVICE

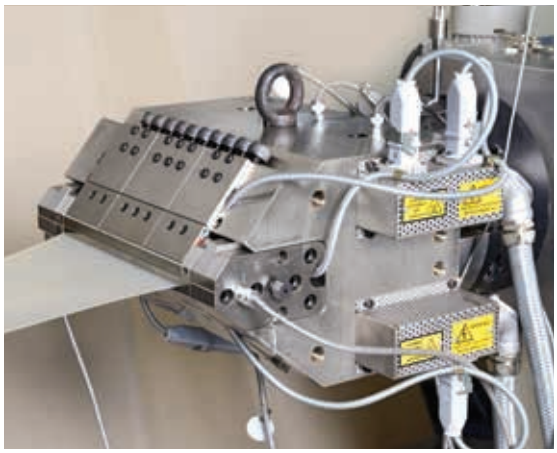
with cooled rollers and pneumatic adjustment on extruded material pressure.



COILER OR WINDER

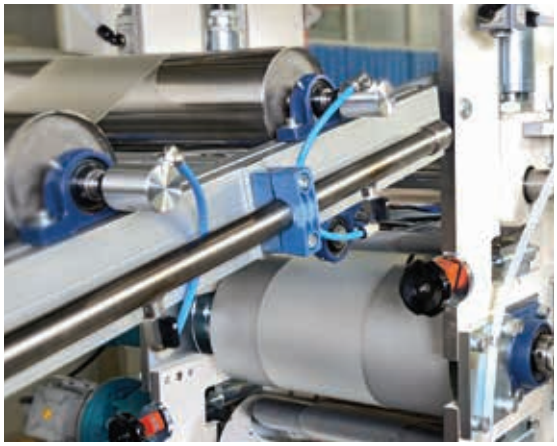
automatic or manual, with automatic adjustment of the pulling force, cut and synchronised lateral movement.

EXTRUSION LINES FOR MEDICAL SHEET



SPECIAL HEAD

to produce embossed sheets with adjustable width from 80 to 420 mm and variable thickness from 0,1 to 0,65 mm.



CALENDERING AND COOLING SYSTEM

cooling system conceived to prevent condensate formation and calendering system composed of suitable steel rollers for a constant and uniform cooling of the extruded material.

DOUBLE BELT TAKE OFF UNIT AND SIDE TRIMMING DEVICE

to ensure the correct transversal measurement.

WINDING SYSTEM

automatic or manual, with automatic adjustment of the pulling force, cut and synchronised lateral movement.

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