

MASSIMILIANO FENILI
Technical Manager
fenili@bausano.com

TRANSFORMING PIPE MANUFACTURING:

Bausano's Advanced Solutions *for* CPVC, PPR, and PEX in India

**Costruzioni
Meccaniche
Clemente
Bausano**
since 1946

**Bausano
do Brasil**

**Bausano
India**

**Bausano S.p.A.
ITALY Headquarter**



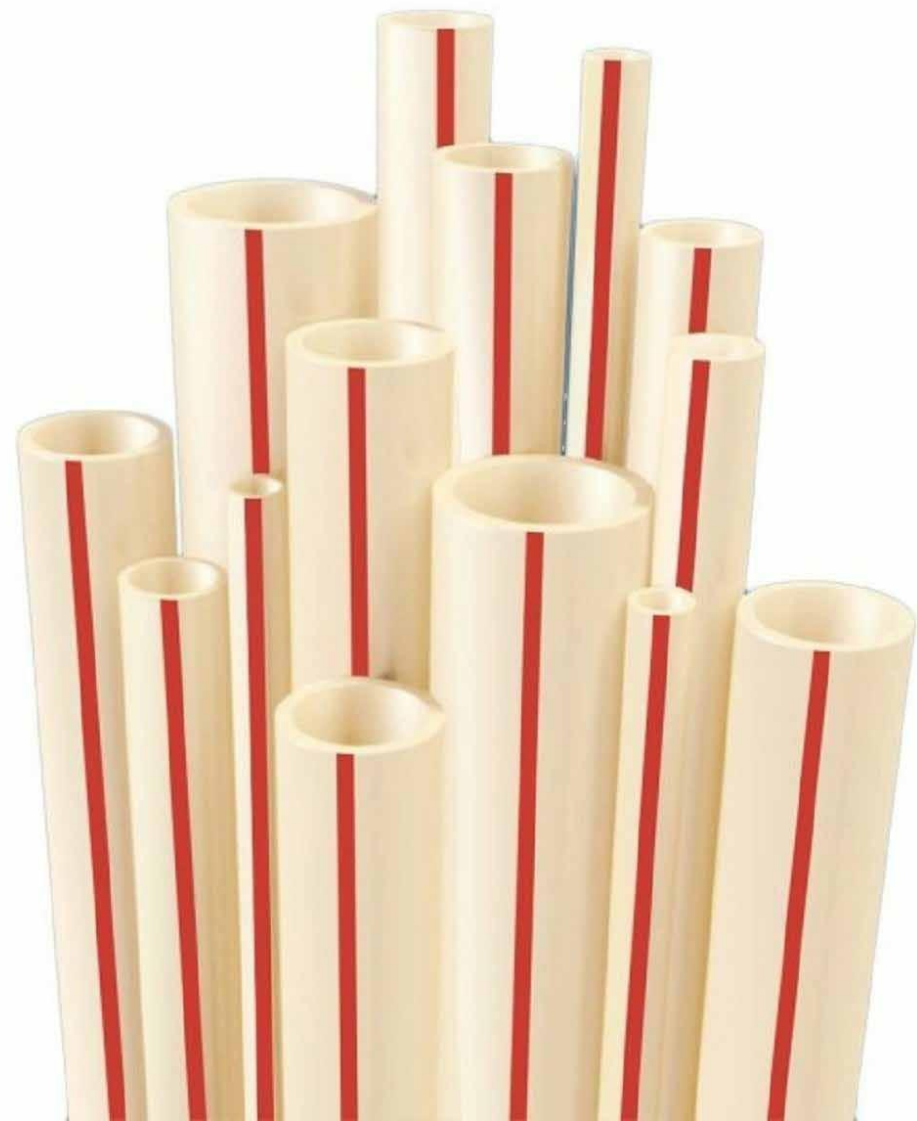
1946

1999

2011

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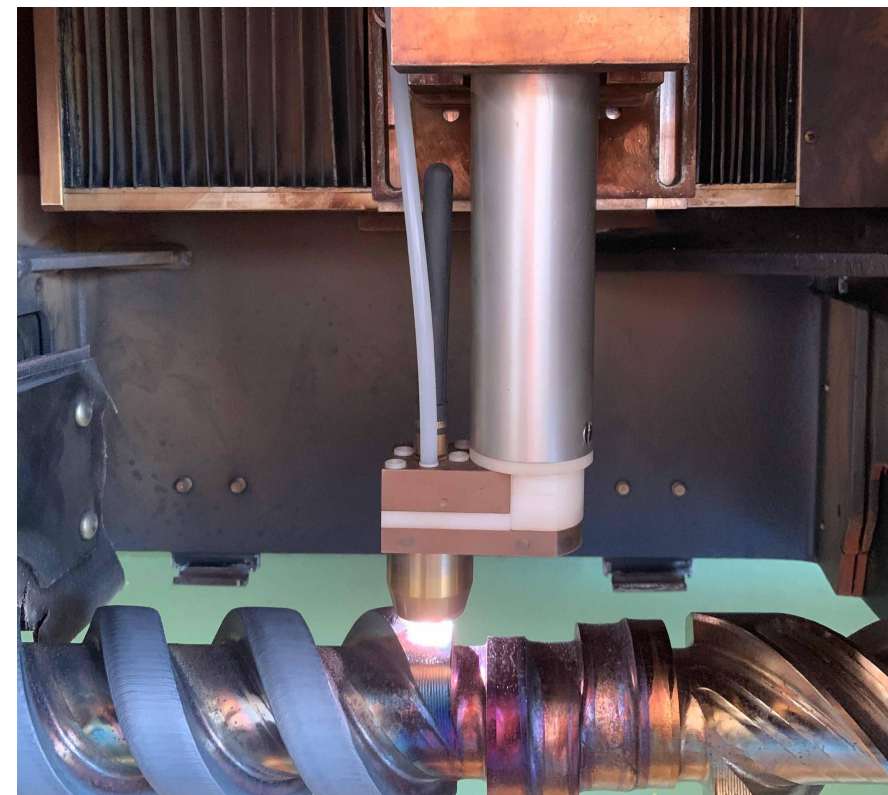
Expanding CPVC, PPR, and PEX Pipe



Urbanization and Industrial Growth: Catalysts for the Expanding CPVC, PPR, and PEX Pipe Market

IN-HOUSE PRODUCTION

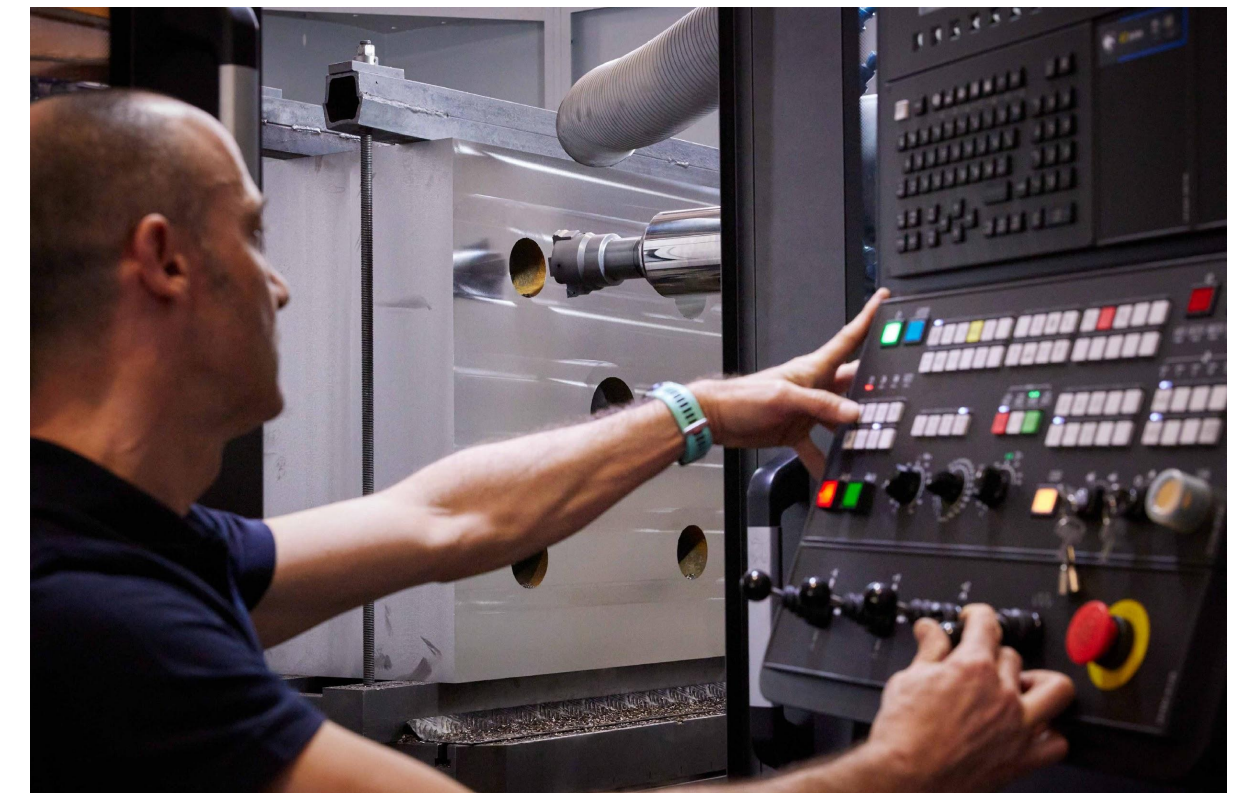
Quality made in Bausano



We build everything you need

IN-HOUSE PRODUCTION

Quality made in Bausano



We build everything you need

PVC PIPE

Twin Screw Extrusion Lines



HDPE-LDPE-PP-PEX PIPE

Single Screw Extrusion Lines



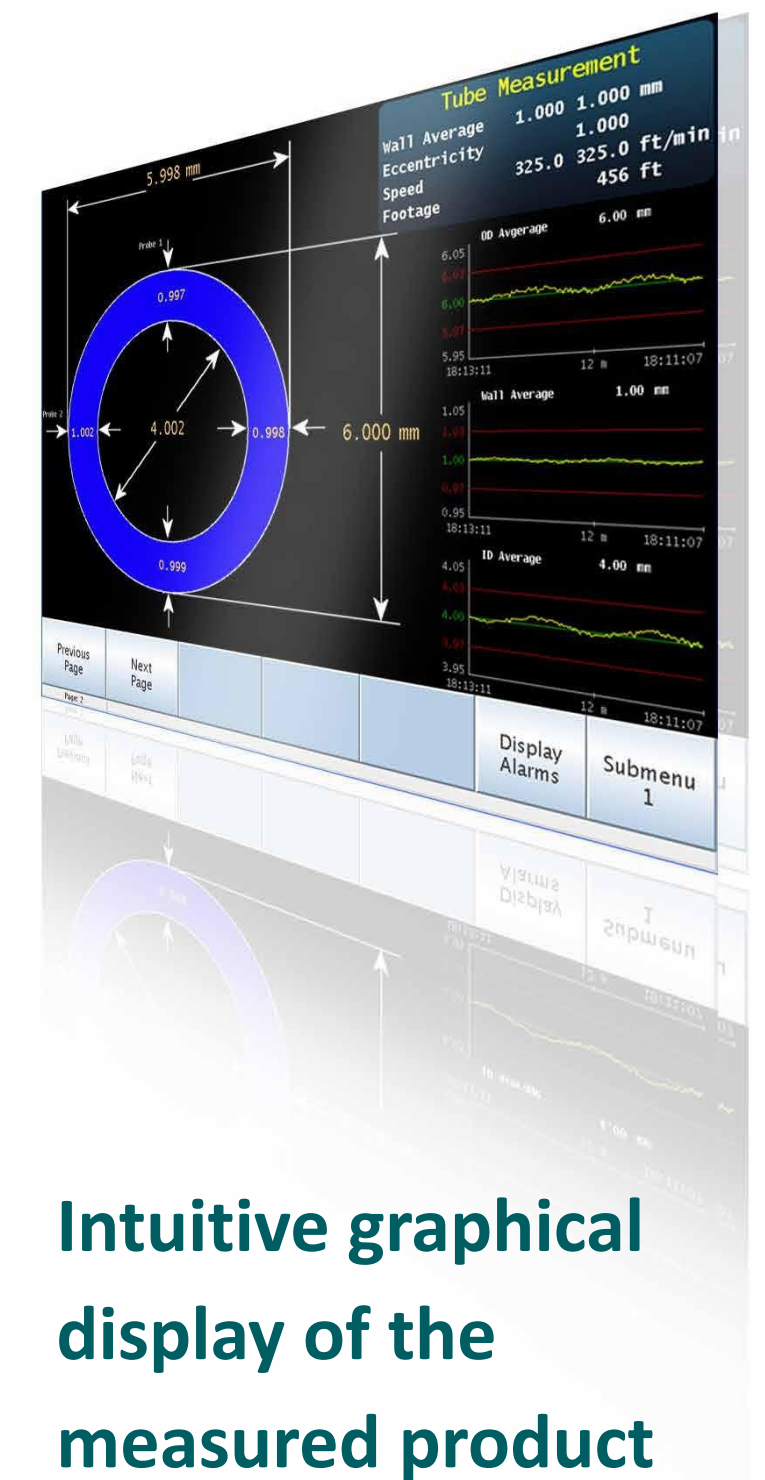
PIPE Extrusion Lines



Gravimetric dosing systems use one or more integrated weigh cells to measure input material



Intelligent Extruder Control System



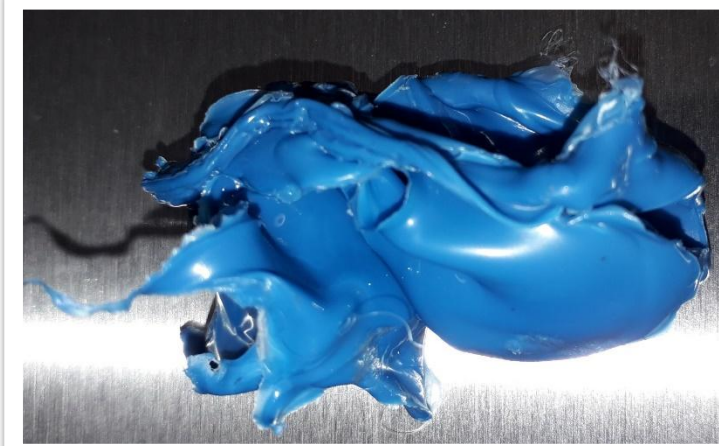
Intuitive graphical display of the measured product

POLYMER ANALYSIS - BAUSANO LABORATORY

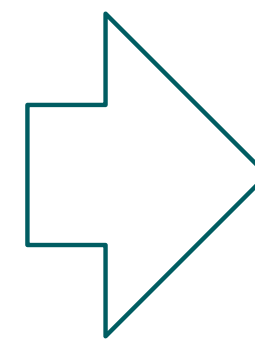
Rheometer - measuring the variation of the viscosity of the material



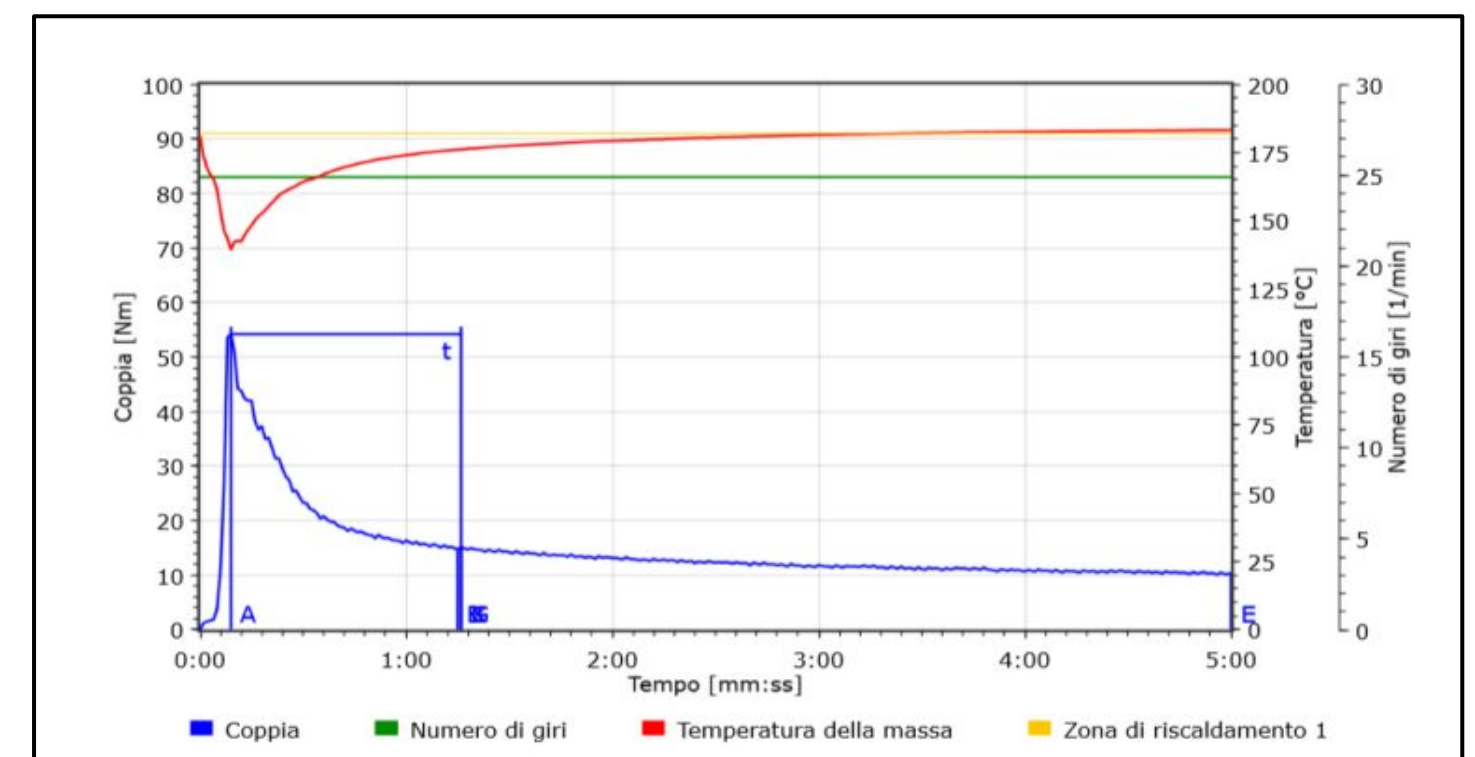
Brabender
Sample – Density 0,87 g/cm³



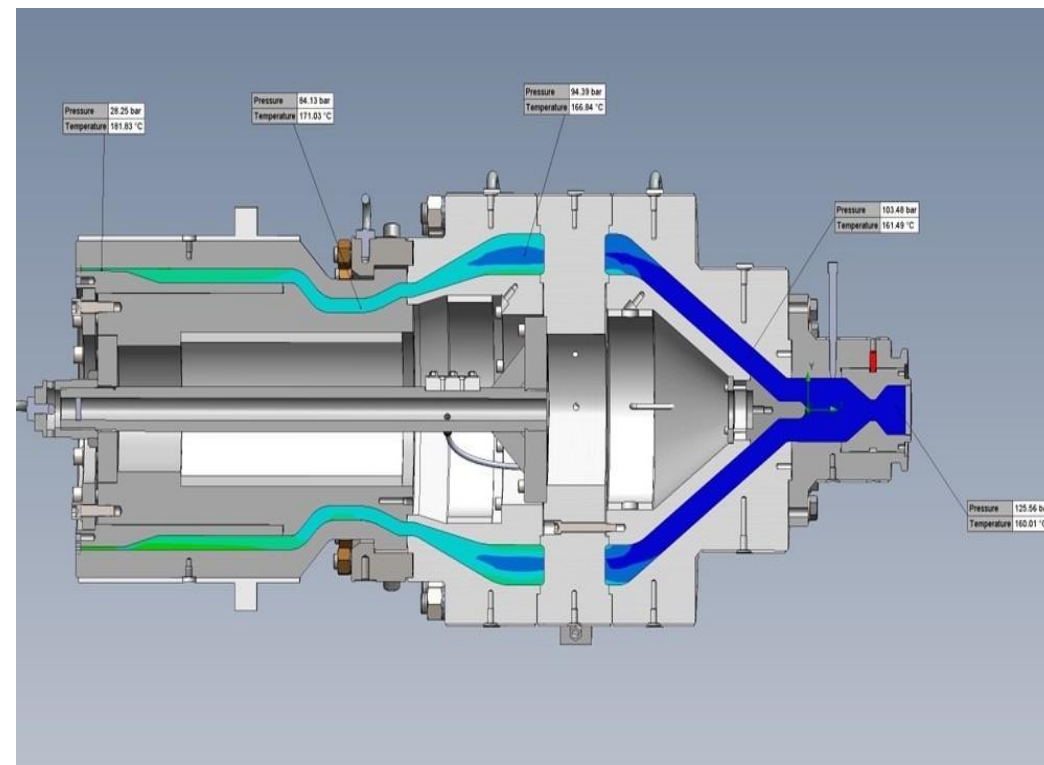
Plastograph EC Plus with measuring mixer 50



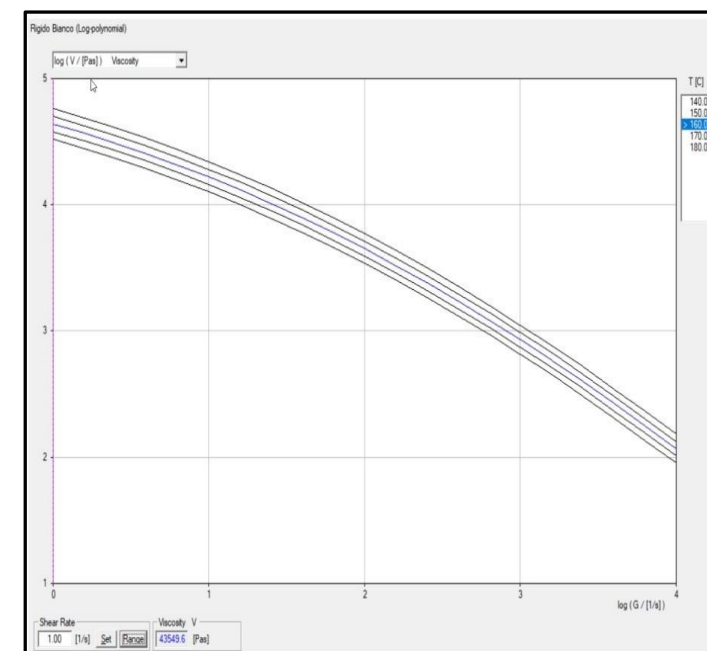
PLASTOGRAPH and RHEOLOGICAL RESULTS



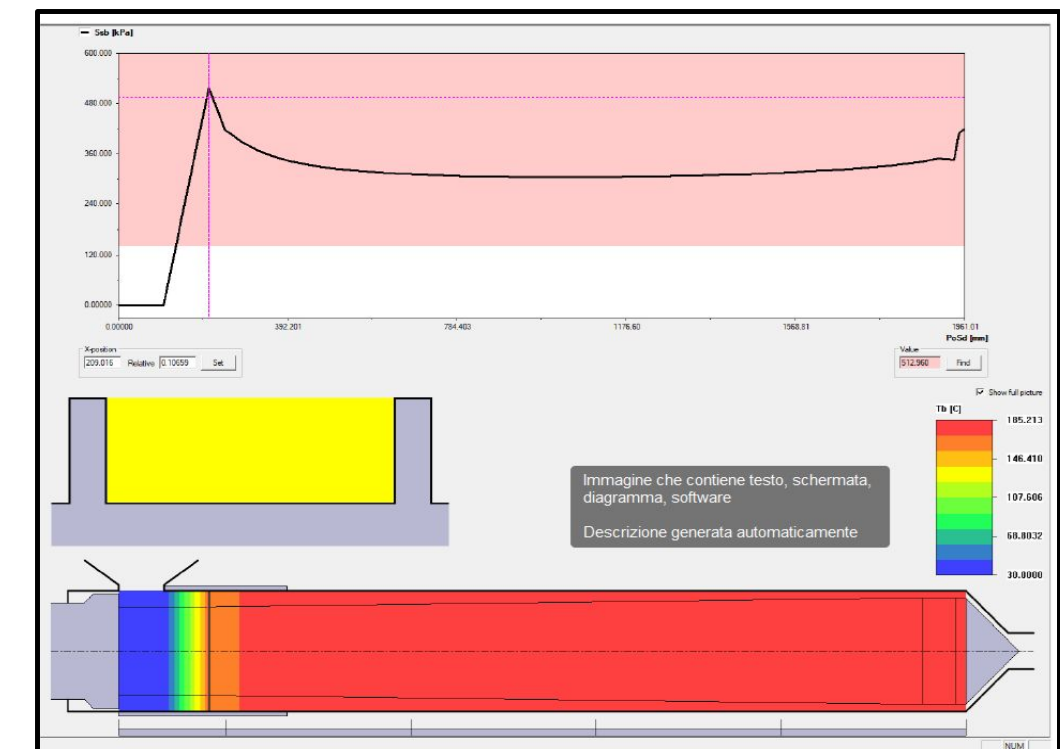
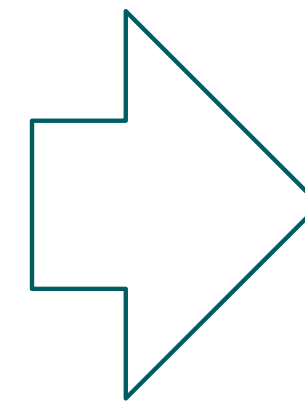
INTEGRATION RHEOMETER ANALYSIS + FLOW SIMULATION SOFTWARE



DESIGN AND FLUID DYNAMIC
CHARACTERIZATION
OF DIE HEADS

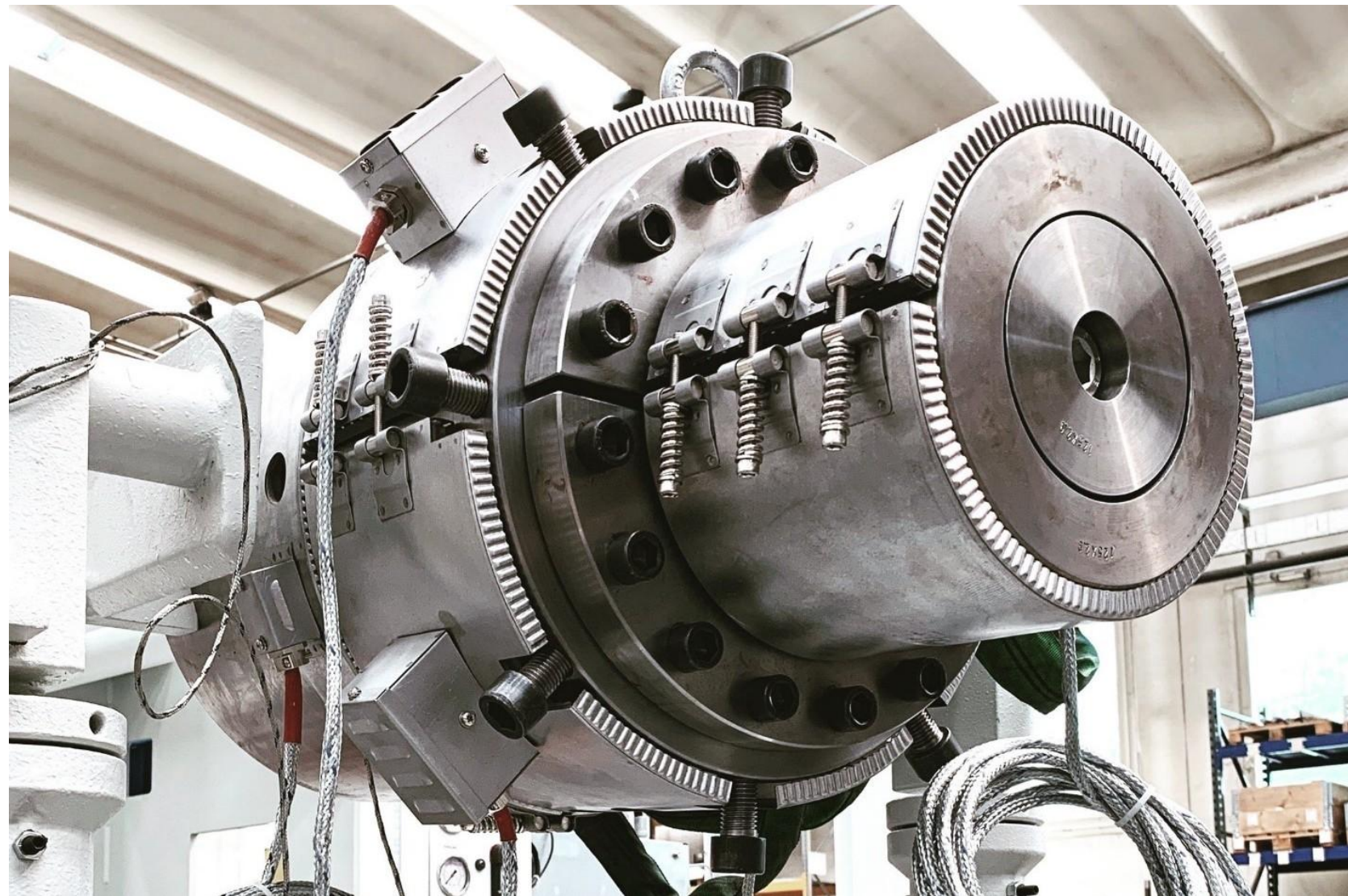


SOFTWARE PROCESSING
OF THE RHEOMETER'S
VISCOSITY CURVES

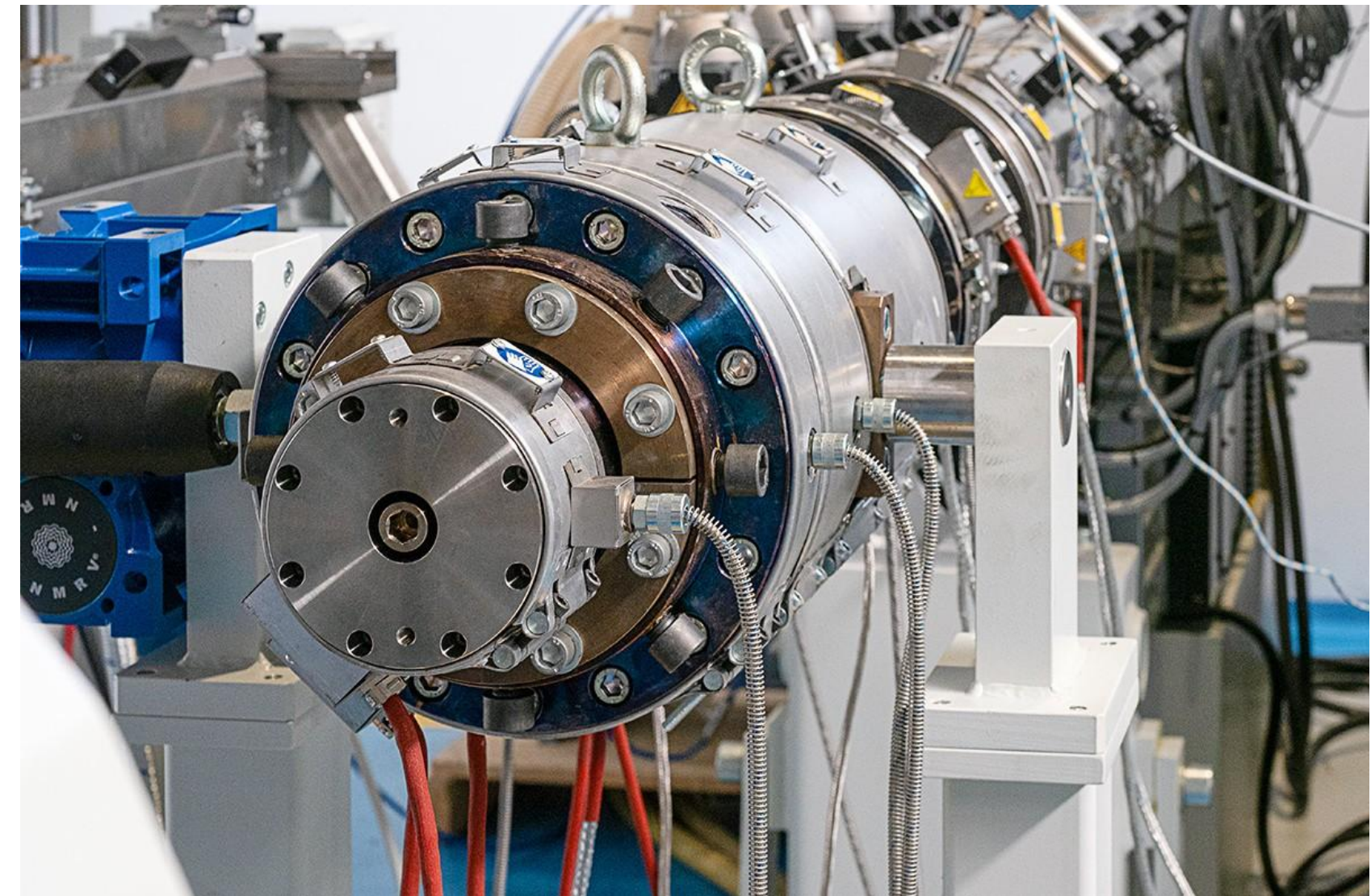


DESIGN AND FLUID DYNAMIC
CHARACTERIZATION OF
SINGLE SCREWS

PVC PIPE DIE HEAD



HDPE – PP R – PEX DIE HEAD



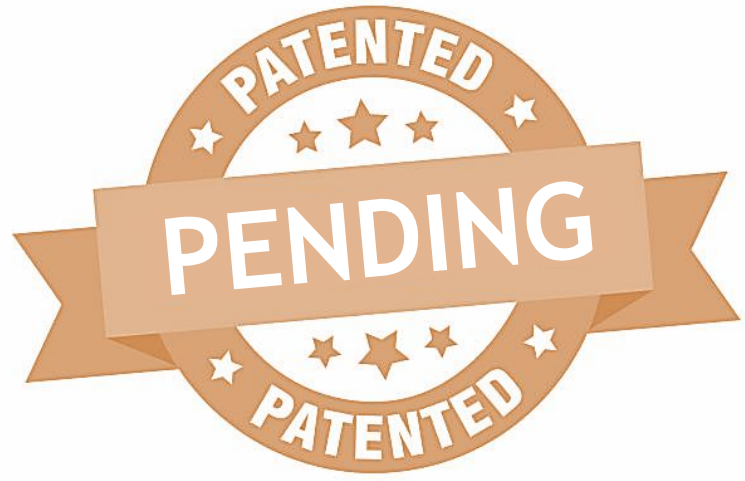
Optimized Extrusion Heads: **Bausano's Advanced Solutions for Uniform and Stress-Free Pipe Production**

Smart Energy System

Based on the principle of electromagnetic induction applied to the barrel heating

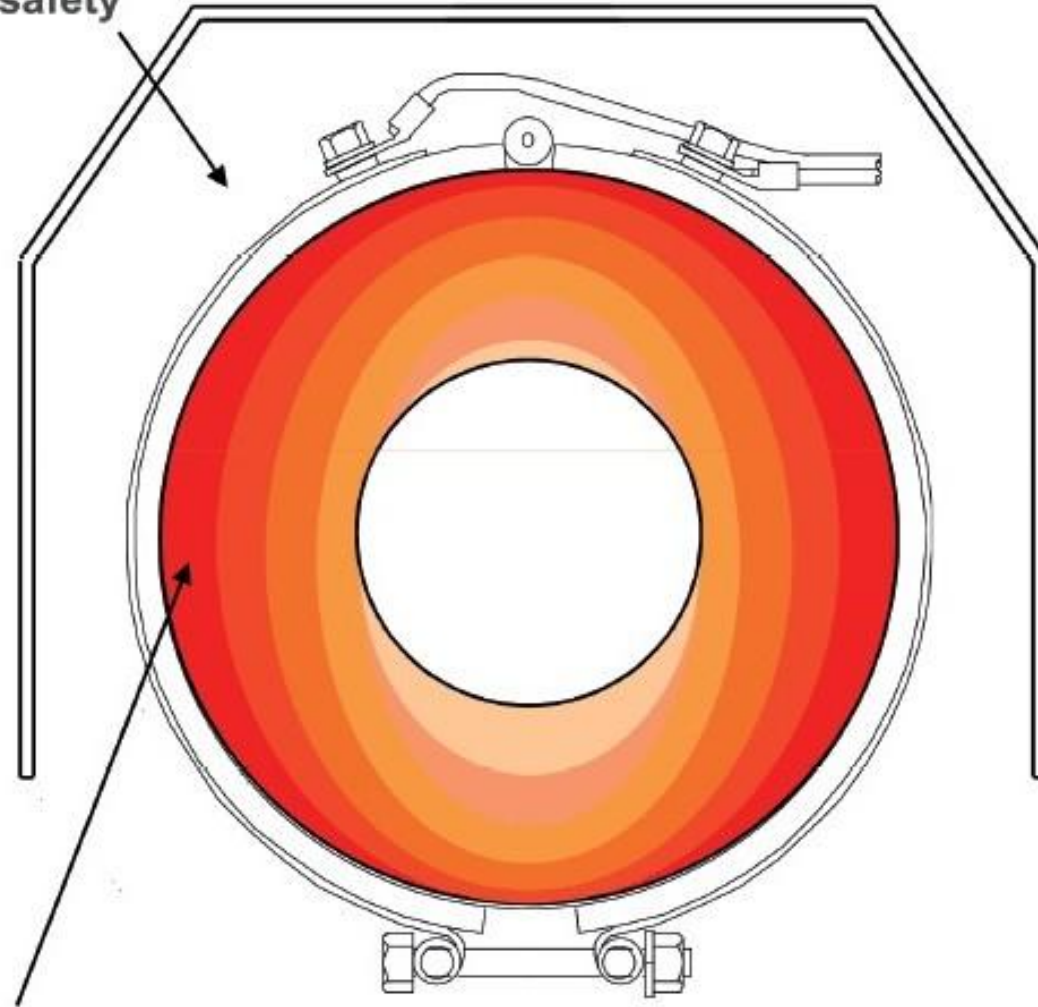


A Model of Efficiency



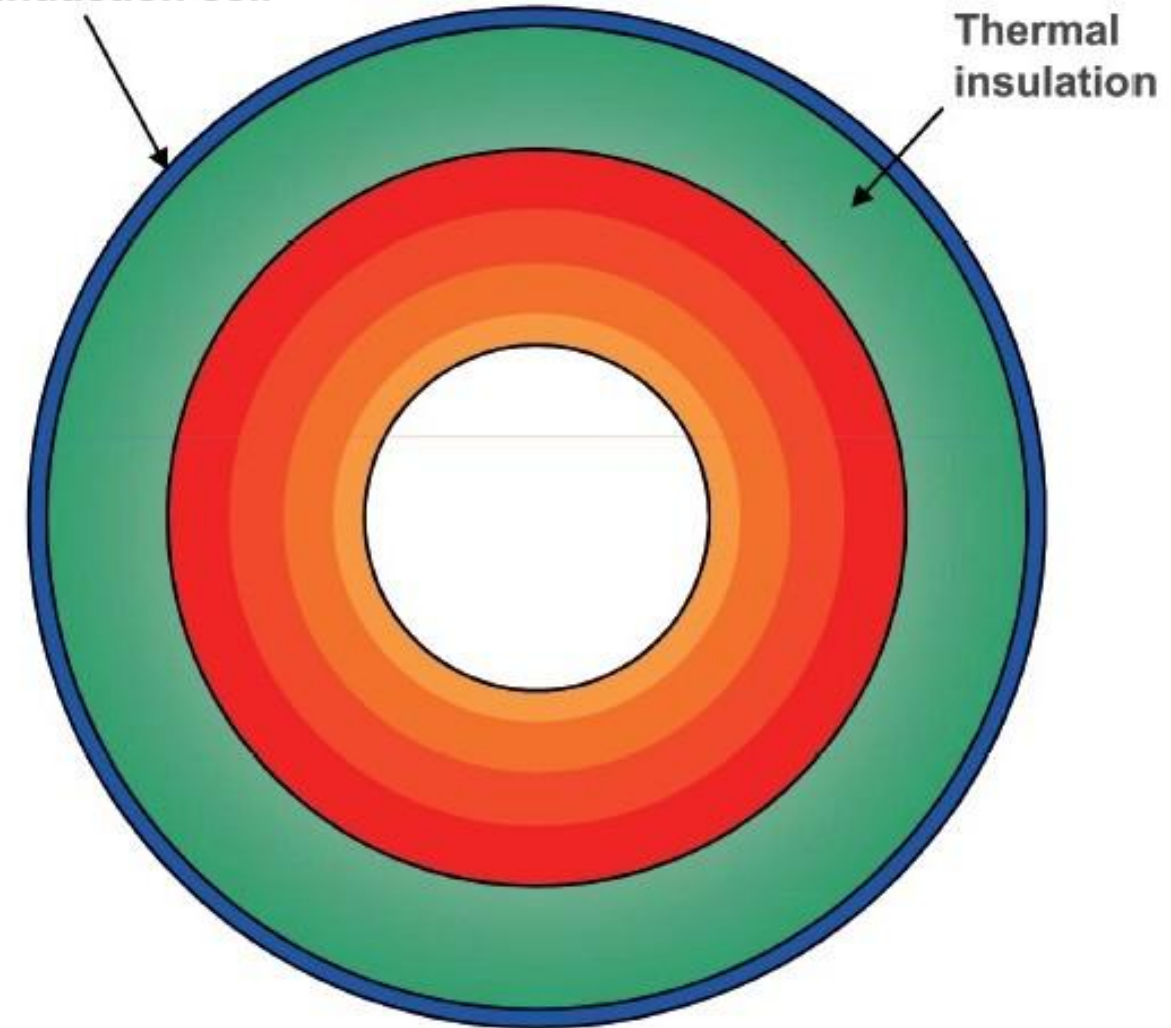
INDUCTION SYSTEM

Heat rises and collects under covers that are needed for safety

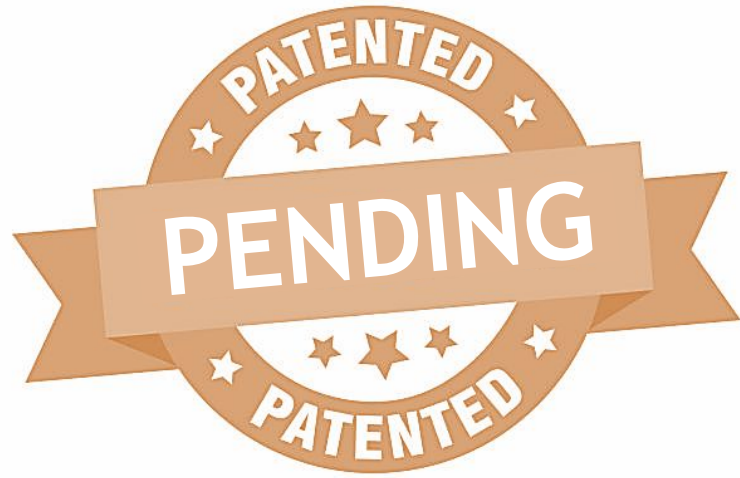


Band-heaters heat more where there are no terminals, latches or hinges.

Electrically-insulated induction coil

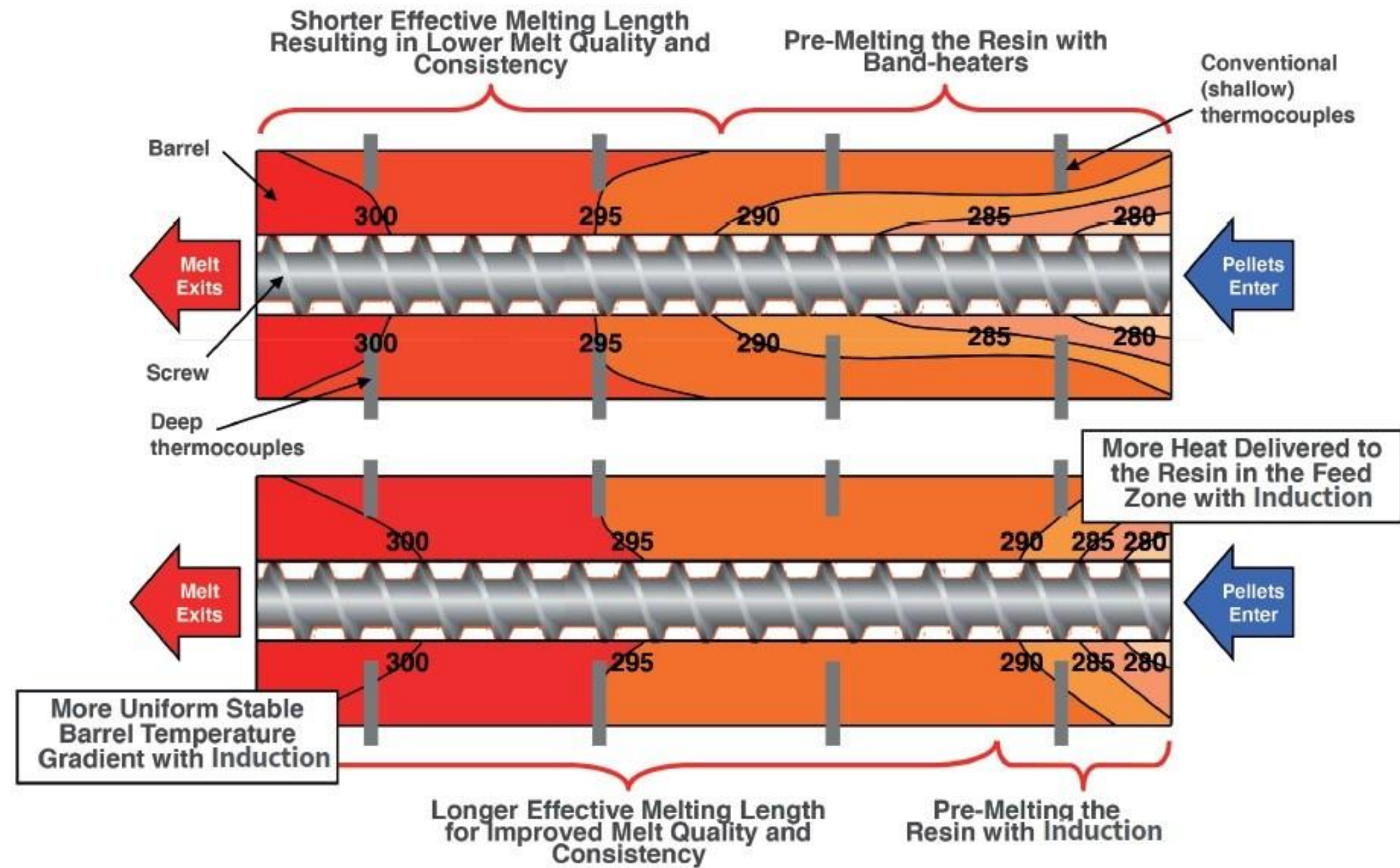


Induction heats uniformly around the barrel and eliminates unwanted external influences



INDUCTION SYSTEM

Application Example on a Single Screw Extruder



THE BAUSANO METHOD

Our plus is your customisation



Advanced Technology

Scientific design and innovative induction heating for CPVC, PEX, PPR pipe extrusion.



Precision Analysis

Detailed rheological properties and material behavior analysis ensure optimal process optimization.



Efficient Induction Heating

Precise temperature control, reduced heat dispersion, enhanced energy efficiency.



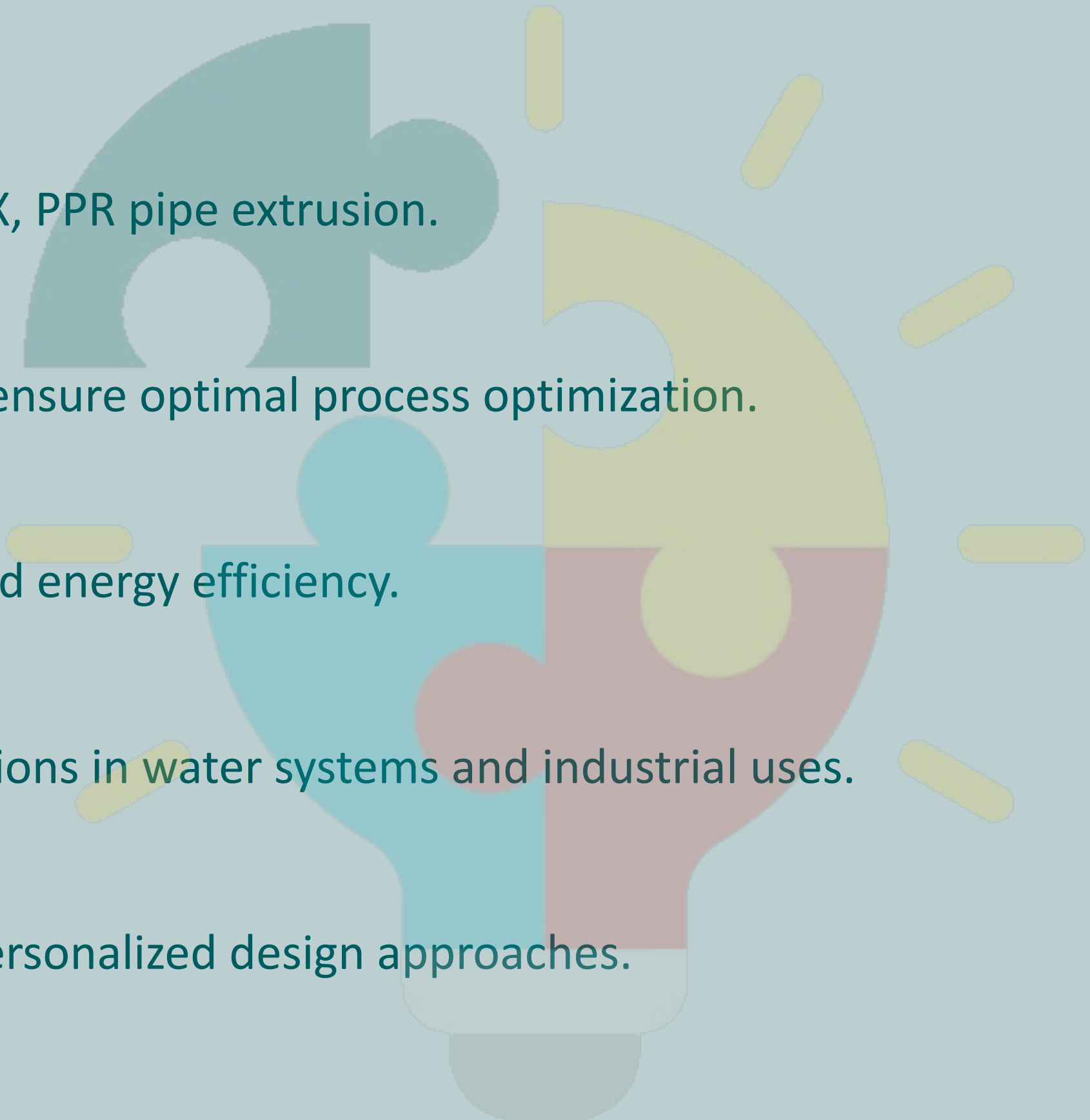
High-Quality Production

Uniform thickness and high-quality surfaces for critical applications in water systems and industrial uses.



Innovation & Market Leadership

Exceeds market expectations with continual innovations and personalized design approaches.



Thank you!

