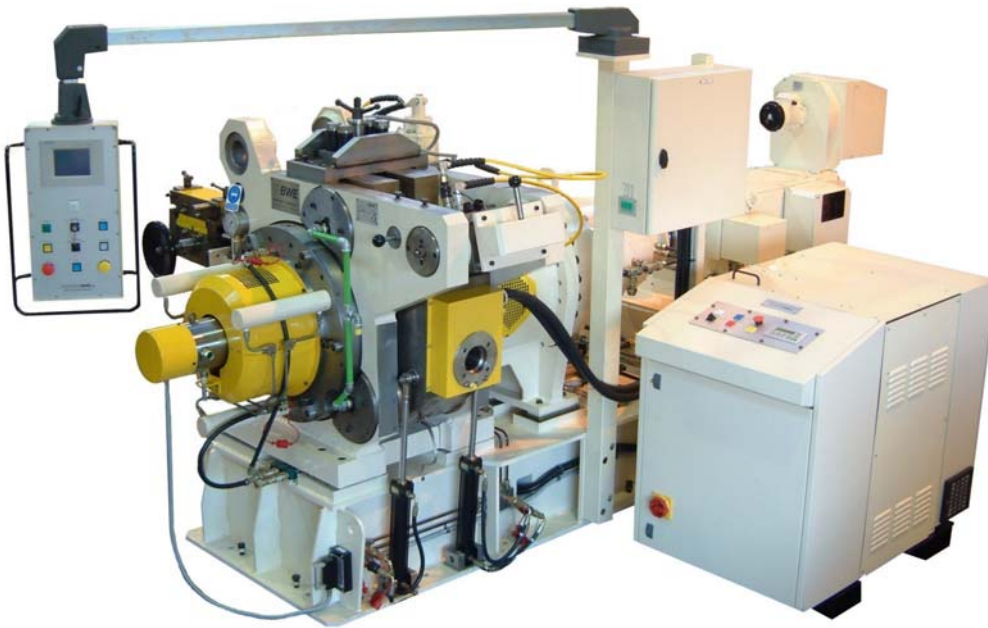


CONFORM™

Continuous Extrusion Machine

Conform 350i



The BWE 350 Model is the most widely used Conform Machine in the world today. The new **Conform 350i** model (left) has the same basic machine construction (extreme rigidity) but includes the new and patented **Induction Heated Tooling System** and optional **Feedstock Rod Pre-Heater**. These provide very rapid pre-heat to the high start temperatures required for demanding products (typically 25 minutes from cold) and reliable start-up without risk to delicate tooling.

The 350i offers an economical package with state-of-the-art features unique to BWE.

As the Die Chamber is pre-heated to running temperature and the Extrusion Wheel is heated by the first metre of pre-heated rod, normal extrusion conditions are achieved almost immediately and **no machine adjustments are required** before accelerating to production speed. **Automatic Wheel Cooling and Induction Heating** maintain optimum extrusion conditions during production without operator intervention.

Overall economics are further improved by a **Low-Cost Wheel System** that utilises a special pre-load arrangement to achieve significantly more tonnage than competing wheel systems and **Inserted Tooling** that allows the wearing surface of the main tooling component, the die chamber, to be replaced at minimal cost.

The standard package includes a PLC controlled Power Supply for the Induction Heated Tooling System and a Control Station mounted on a 'swinging pendant' with a **Numeric Touch-Screen** for controlling the machine functions. Options include a console with a full graphic display for process monitoring and data logging.

Important Features Unique to BWE Conform™

- Rapid Pre-heating and Higher Start Temperatures
- Controlled Heat Rate at Higher Running Temperatures
- Automatic Wheel Cooling
- Rigid Construction with Low Deflection under High Load
- Accurate Tooling Alignment
- Easy Access for Rapid Tool Changes
- Insert Tooling reducing Running Costs
- Low Capital Cost & Economical Solution to Complete Line
- Reliable and Long-term Stability

Specification

Wheel Diameter (mm):	350
Rated Power (kW)	200
Min. Aluminium Feedstock (mm):	9.5
Max. Aluminium Feedstock (mm):	19.0
Min. Copper Feedstock (mm):	8.0
Max. Copper Feedstock (mm):	13.0
Aluminium Products:	
Aluminium Hollow Profiles -	
Maximum Die Circle (mm):	70
Aluminium Solid Profiles -	
Maximum Extrusion Width (mm):	80
Maximum Product Area (mm ²):	5000
Copper Products:	
Maximum Extrusion Width (mm):	80
Maximum Product Area (mm ²):	600

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Cold Welding · Continuous Extrusion · Continuous Cladding · Continuous Sheathing

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