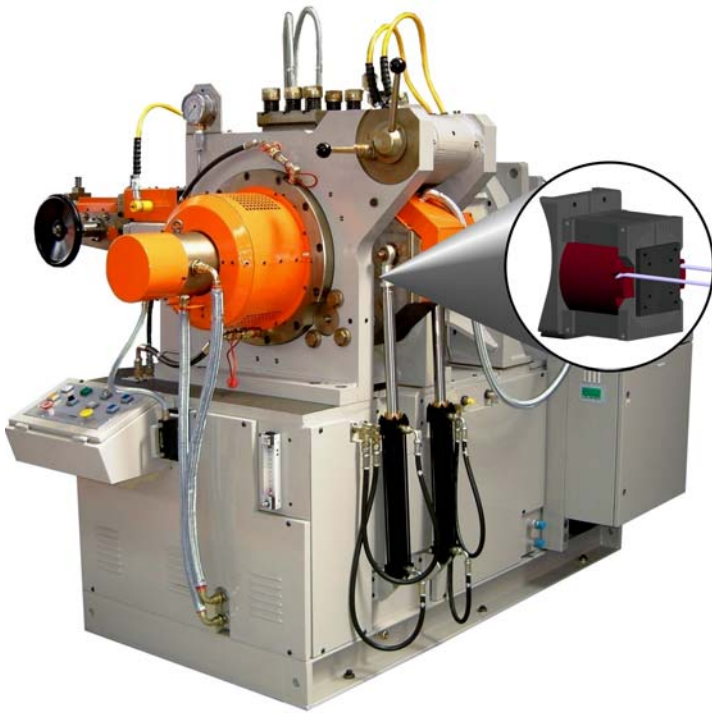


CONFORM™

Continuous Extrusion Machine

Conform 315i



Designed for **Aluminium Round and Multivoid Tube** but also capable of a wide range of other products and materials including **Copper Sections**, the **Conform 315i** offers an economical package with state-of-the-art features unique to BWE.

BWE's patented **Induction Heated Tooling System** and **Feedstock Rod Pre-Heater** 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.

Because 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 maintains optimum extrusion conditions during production without operator intervention.

The basic machine construction is based on the proven BWE design, which has an excellent record of reliable operation over many years of service. Extreme rigidity, BWE's pivoting shoe arrangement with its designed-in self closing mechanism and separate controls for the wheel and die temperature all ensure that tooling clearances remain optimal throughout long periods of continuous operation.

Overall economics are further improved by a **Low-Cost Wheel System** that utilises a special pre-load arrangement to achieve significantly more tonnage than competitive 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 two PLC controlled Power Supplies for the Induction Heated Tooling System and Feedstock Rod Pre-Heater and a PLC Control Station with Numeric Touch-Screen for controlling the machine functions and a Take-Up. Options include a console with a full graphic display for process monitoring and data logging.

Performance:

- Rapid Die Chamber and Feedstock Pre-Heating
- Automatic Wheel Cooling
- Rigid Construction
- Long-Term Stability

Economy:

- Low Cost Wheel System
- Inserted Tooling
- High Reliability
- Low Capital Cost

Specification	
Wheel Diameter (mm):	315
Rated Power (kW)	120
Aluminium Feedstock (mm):	
Minimum:	9.5
Maximum:	15
Copper Feedstock (mm):	
Minimum:	8.0
Maximum:	13.0
Die Circle (mm):	
Aluminium	30
Copper	30

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Cold Welding · Continuous Extrusion · Continuous Cladding · Continuous Sheathing

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