

CONFORM™ CONKLAD™

Continuous Extrusion Machine

Conklad 350



Conklad 350

The **BWE 350 Model** is the most widely used Conform/Conklad Machine in the world today.

The Conform 350i version is used for **Aluminium Round and Multivoid Tubes, Aluminium Solid and Hollow Sections, Small Copper Bus Bars, Copper Sections Shaped Copper Conductors** as well as a number of special applications, for example, Calcium, Precious Metals and Copper Alloys (please refer to separate data sheet).

The Conklad 350 version is widely used for **Aluminium Cladding (Smart A.S. Wire™) and Sheathing (CATV / OPGW)** and also has special applications, for example, Zinc Cladding. The Universal format allows the machine to operate either in Conform or Conklad configuration.

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, the ability to operate at high extrusion pressures and separately controlled wheel and die temperature ensures that tooling clearances remain optimal throughout long periods of continuous operation.

Automatic Die Heating and Wheel Cooling Systems ensure rapid pre-heat to the correct starting temperature and 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 competitive wheel systems and BWE's recently developed **Insert Tooling** that allows the wearing surface of the main tooling component, the die chamber, to be replaced at minimal cost.

Options include a powered feedstock guillotine and a Control Console with a full-size PLC and graphic display for process monitoring and data logging.

BWE offers a wide range of services tailored to the customers' needs ranging from machine only supply with customers providing their own ancillaries to full turn-key systems including plant engineering, training, installation and commissioning.

Performance:

- Automatic Die Heating
- Automatic Wheel Cooling
- Rigid Construction
- Long-term Stability

Economy:

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

Specification

Wheel Diameter (mm):	350
Rated Power (kW)	200
Aluminium Feedstock (mm):	9.5
Maximum Clad Diameter (mm):	30
Maximum Sheathed Diameter (mm):	20

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Cold Welding · Continuous Extrusion · Continuous Cladding · Continuous Sheathing

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