

# CONFORM™

Continuous Extrusion Machine

Conform 400i



The Conform 350 Model is the most widely used Conform Machine in the world today. The new **Conform 400i** model has the same basic machine construction (extreme rigidity) but includes the new patented **Induction Heated Tooling System**. This provides 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 400i above 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.

## Specification

Wheel Diameter (mm):	400
Rated Power (kW)	200 / 240
Min. Aluminium Feedstock (mm):	9.5
Max. Aluminium Feedstock (mm):	19.0
Min. Copper Feedstock (mm):	8.0
Max. Copper Feedstock (mm):	16.0

### Aluminium Products:

Aluminium Hollow Profiles -	
Maximum Die Circle (mm):	80
Aluminium Solid Profiles -	
Maximum Extrusion Width (mm):	105
Maximum Product Area (mm <sup>2</sup> ):	8,500

### Copper Products:

Maximum Extrusion Width (mm):	105
Maximum Product Area (mm <sup>2</sup> ):	1500

### Performance:

- Rapid Pre- Heating
- Automatic Wheel Cooling
- Rigid Construction
- Long-term Stability

### Economy:

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

- CONFORM is a Trade Mark of BWE Ltd -

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Cold Welding · Continuous Extrusion · Continuous Cladding · Continuous Sheathing

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